



Name of work:

Provision of standby scheme for 25 TR WC Scroll Chiller centralized air conditioning system with accessories to keep inventory for smooth and trouble free uninterrupted services at EXXIMW Hydrol Obra Power Station Obra Sonbhadra.

### Scope of Work

| S. No. | Description of work  | Qty. |      |
|--------|--|------|------|
| 1      | Water Cooled Scroll Chilling Unit<br>Supply, lifting, shifting, installation, testing & commissioning of microprocessor-controlled water-cooled scroll chilling unit of one working 25.1 TR nominal capacity on R-407C (AHR) Certified) having 200% hermetic scroll compression of 13 TR (each) capacity with individual refrigerant circuit with inbuilt drive assembly, water cooled shell and tube condenser, shell & tube evaporator, interconnecting piping with accessories on common base frame with anti-vibration mounts. Unit shall have control and safety instrument. Initial charge of refrigerant and lubricating oil. Civil foundation included. Make: Blue Star, Model: XWC25-32GAR2 (1 working + 1 standby) | 1    | No.  |
| 2      | Supply, lifting, shifting, installation, testing & commissioning of end suction top discharge split casing Chilled Water Pump with electrical motor for re-circulation of water from central Air Conditioning Plant to AHU. All Pumps shall be aligned properly as required. The pump motor shall be suitable for 415± 10% Volt, 50 Hz Three Phase Power supply. Make: Kirloskar/KSB/Mather & Platt. Complete in all respect including civil foundation, for water flow rate 78 USGPM, Head: 20 Meter, 1450 RPM (1W+1S)  | 1    | No.  |
| 3      | Supply, lifting, shifting, installation, testing & commissioning of end suction top discharge split casing Condenser Water Pump with electrical motor for re-circulation of water from central air conditioning plant to cooling well. All Pumps shall be aligned properly as required. The pump motor shall be suitable for 415± 10% Volt, 50Hz three phase power supply. Make: Kirloskar/KSB. Complete in all respect including civil foundation, for water flow rate 104 USGPM, Head: 15 Meter, 1450 RPM (1W+1S)  | 1    | No.  |
| 4      | Supply & installation of 1100 Volt grade FRLS enclosed aluminum power cabling of adequate size from LT Electrical Panel board to electric motors and other electrical equipment like (2 Nos scroll chilling Unit, 2 Nos condenser water pump, 2 Nos chilled water pumps and 2 Nos. AHUs) Make: Ralfison/Polysab. The Cable details are as follows.   |      |      |
| 4.1    | 3.5C X 95 Sq. mm. (Cable)  | 15   | Run. |
| 4.2    | 3.5C X 16 Sq. mm. (Chilled water pumps, Cond Pump, AHU)  | 100  | Run. |
| 5      | Supply of spares recommended to keep inventory for smooth and trouble free uninterrupted services  |      |      |
| 5.1    | DX CHTRLR (LCD)- XWC25-326-EACD/3030   | 1    | No   |
| 5.2    | CUR TRANSFORMER CT100-BCROLL-EATF20540   | 2    | No   |
| 5.3    | FUSE CARTRIDGE - 2 AMP   | 3    | No   |

M/K K.R.D. ENTERPRISES

SECTOR

Executive Engineer  
Hydel Obra Power Station  
U. P. Rajya Vidyut Nigam Ltd  
Obra-Sonbhadra (U.P.)



Name of the Work: - Provision of standby scheme for 25 TR WC Scroll Chiller centralized air conditioning system with accessories to keep inventory for smooth and trouble free uninterrupted services at 3 x 33MW Hydrol Obra Power Station Obra Sonbhadra.

### General Terms and conditions

|      |  |
|------|--|
| 1    | <b>COMMERCIAL TERMS AND CONDITIONS</b>   |
| 1.1  | The prices quoted should be firm and FOB, Hydrol Obra Power Station, Obra, Sonbhadra (U.P.). The prices shall remain firm and shall not be changed due to any reason thereof till execution of complete order if order is placed to the firm.  |
| 1.2  | The firm must be Manufacturer (OEM)/Authorized dealer of Valves, Wise-Star & Kitebook make only. The firm shall be responsible for the testing and supply of items up to FOB destination.  |
| 1.3  | The prices quoted should be inclusive of packing forwarding & freight less carrier charges etc. Only GST shall be paid extra as per rate.  |
| 1.4  | <b>Payment</b><br>90% payment will be made after successful completion of work and balance 10 % will be made after expiry of 12 months from date of successful completion of work. In case of 100% running payment, Security money @ 10% of contract value in the form of FDR/BC shall have to be deposited by the contractor and the same shall be released after twelve months from successful completion of entire work. Payment shall be made after final against the work received from the Head Office Lucknow against the same.   |
| 1.5  | The material shall be guaranteed for a period of minimum 12 months from the date of installation and commissioning or 18 months from the date of receipt of materials at site whichever is earlier.  |
| 1.6  | <b>INSPECTION:-</b><br>Pre-Dispatch inspection of materials will be carried out at Firm's/ Manufacturer work (all relevant arrangement for inspection shall be made by supplier at their own cost) by authorized representative of UPRVUNL and inspection of material shall also be carried at site after receipt of material. However, material (if required) may get tested by third party authorized by U.P.R.V.U.N.L. at U.P.R.V.U.N.L. Cost. In case of any discrepancy, defective material shall be replaced by the supplier free of cost along with cost of third party inspection. |
| 1.7  | Rates tendered must be valid for 6 months.   |
| 1.8  | <b>PENALTY</b> - Penalty @ 0.5% per week subject to a maximum 10% of the total order value shall be levied for delay in supply beyond completion period.   |
| 1.9  | All the use documents related to material and other relevant documents shall also be submitted to the inspecting authority at the time of inspection as applicable. The firm has to submit all executed drawings, in case based hard copies of drawings and manuals (containing detailed instructions, procedure, precautions, troubleshooting etc.) not submitted by the supplier, a deduction of 2% of total value of supplied items from the contractor bill shall be made. The manual shall be specific to the equipment supplied and not of general nature.                           |
| 1.10 | <b>Rejection of Defective material</b><br>Any defective or inferior material which does not conform to the specification mentioned in the work shall be rejected and shall have to be replaced by the firm free of cost.   |
| 1.11 | <b>Contractor</b><br>Executive Engineer, Hydrol Obra Power Station, Obra, Sonbhadra  |

M. K. R. D. ENGINEERS

*[Signature]*  
Director

*[Signature]*  
Executive Engineer  
Hydrol Obra Power Station  
U. P. Raja Vihari Nagar Ltd  
Obra-Sonbhadra (U.P.)

*[Signature]*  
Contractor  
M. K. R. D. ENGINEERS

|     |  |
|-----|--|
|     | It will be the responsibility of the contractor to deliver the material in good packing condition.   |
|     | <b>Deliverable</b>   |
|     | Basic material will be delivered at Hydai Odra Power Station, Odra, Sonbhadra, Pin-231219  |
|     | <b>GENERAL TERMS AND CONDITIONS</b>  |
| 2.1 | The terms shall be deducted at source according to Govt. rates.  |
| 2.2 | All the cartage / loading / unloading shall be the responsibility of the firm.   |
| 2.3 | All the terms and condition of U/PVNL Form 'B' will also be applicable   |
| 2.4 | Any dispute regarding the contract shall be subject to the jurisdiction of court at Sonbhadra or high court of Allahabad only.   |
| 2.5 | The Executive Engineer reserves the right to cancel any part or full tender at any stage without assigning any reason thereof.   |
| 2.6 | Any increase/decrease in the existing rates or any fresh imposition of levies/duties by the Central/State Government shall be paid/deducted as actual applicable   |
| 2.7 | Make of such items must be provided by the firm in the price bid, otherwise firm shall be treated as rejected. Tenderer will submit documents regarding material with tender part 1 <sup>st</sup> documents. |

**General TERMS AND CONDITIONS**

|    |   |
|----|---|
| 1  | The prices are inclusive of all accessories, labour and transportation charges. The rates quoted by contractor shall include cost of all material, labour, T&P etc required. Nigam will not provide any Material and T&P etc. EOT crane and compressor available shall be provided to the firm. GST shall be paid/Rebated as legally applicable.  |
| 2  | EHSD shall be retained as security. Rains tendered must be valid for 180 days.  |
| 3  | Extra material and scrap shall be returned to department, if any (Contractor will hand over the same to junior engineer in charge.) Otherwise cost of same shall be deducted from the contractor's bill.  |
| 4  | The total work completion period shall be 110 days (Based on drawings) from the date of letter of intent issued. After receipt of complete supply parties of material at HOPS, Odra, the work period shall be carried out as per drawings based separate work order given by concerned section in charge and as per availability of site.   |
| 5  | <b>Payment:</b> 30% payment will be made after successful completion of work and balance 70% will be made after expiry of 12 months from date of successful completion of work. In case of 100% training payment, Security money @ 10% of contract value in the form of FDR/BC shall have to be deposited by the contractor and the same shall be released after twelve months from successful completion of entire work. Payment shall be made after fund against the same received from the Head Office Lucknow against the same. |
| 6  | <b>PENALTY:</b> - A penalty of 10% per week subject to a maximum of 10% of uncompleted work shall be levied for late completion of work.  |
| 7  | Guarantee period for work item is twelve months from the date of completion of such job. During the guarantee period the contractor will be responsible for any defect or damages. In case the contractor does not attend the defect in time the same will be got repaired through an outside agency and payment will be deducted from the contractor bill or from the security money.  |
| 8  | All material, T&P and skilled / unskilled staff are to be arranged by the contractor himself at his own cost, if required.  |
| 9  | Cutting, welding, and machining equipments are also to be arranged by the contractor himself at his own cost, if required.  |
| 10 | Transportation of materials will be the responsibility of the contractor. He will be responsible for any damages to materials during transportation.  |
| 11 | All the cartage / loading / unloading shall be of the firm.   |
| 12 | Contractor will have to arrange proper switchboard for electrical connection at his own cost, wiring and light cables should be free from defects to avoid any accidents.   |

*[Signature]*  
 Project In-charge

*[Signature]*  
 Project In-charge  
 (Name of the firm)

*[Signature]*  
 Executive Engineer  
 Hydai Odra Power Station  
 U. P. Rajya Vidyal Nigam Ltd  
 (In) Sonbhadra (U.P.)



- The Executive Engineer reserves the right to cancel any part or full tender at any stage without assigning any reason therefor.
- 29 Contractor may inspect the site for assigning the work before quoting their rates.
  - 30 The contractor will employ adequate skilled manpower. Fitters should be I.T.I. certificate having adequate experience of similar job. The supervisor of the contractor shall take necessary work permit from AE / JE before taking up any work.
  - 31 Special arrangement and other necessary safety arrangement shall have to be done by the contractor at his own cost, if required. Contractor shall be fully responsible for making such mechanical arrangements.
  - 32 Rent free store accommodation shall be provided to the contractor during execution of work, if same will be available. The electricity charges shall be deducted from running bills @ Rs. of 100/- per month. Use of AC in Rent free store accommodation will not be allowed in any case.
  - 33 Individual quantity may vary to any extent but overall value will be restricted to 10%.
  - 34 If during inspection, the progress of work is found slow or unsatisfactory quality of work is not found satisfactory by the Engineer of the purchaser, the Engineer of the contract will have full right to terminate the agreement by giving one week notice.
  - 35 The contractor will follow the instructions of engineers AE & JE against scope of work and the work shall be completed as per terms.
  - 36 The Contractor shall furnish an indemnity bond against all such items/equipment taken to his workshop for the purpose of overhauling/repair work or testing. The valuation of such items/equipment shall be decided by the Engineer-in-Charge of HOPS Office in consultation with SE, HOC, P&T.
  - 37 The method of evaluation of L1 bidder for awarding the Contract shall be on consolidated grand total offer by the bidder and will be decided by taking into consideration of the total offered price including (Part A + B).
  - 38 The work of additions, alterations and modifications includes cutting out certain portions or gouging of welds, cutting, grinding, fabrication welding, drilling holes, specifically for the work, straightening, removal of bends painting and touch of painting. Additions, alterations and modifications as required either before erection or after erection including any extra work may have to be carried out at site by the contractor at his own cost which will be included in prices.
  - 39 The bidders are requested to make themselves fully conversant with the scope of work and working site, technical specification, general terms and conditions as per terms and conditions for the work contract for UPRVUNL (Nal Vidyut Unit) and before submission of the tender and thereafter they should quote their rates in price schedule accordingly so that no ambiguity at later stage arises.
  - 40 Extra material required for proper completion of work, except those supply items as per system that will design, Engineering and manufacturing by firm, shall be arranged/supplied by the contractor at his own cost as a part of contract.
  - 41 The Contractor shall strictly abide by the security rules and regulations enforced by the UPRVUNL (Nal Vidyut Unit) from time to time. The Contractor shall provide proper identity cards, badges etc., to his employees. The Contractor shall have to provide the name with full address of all his employees/workers/supervisor as his letter duly signed with stamp to the nearest representative of UPRVUNL Ltd. (Nal Vidyut Unit) and the contractor shall submit it to CISE before starting of the work to obtain the pass pass of the concerned person.
  - 42 Supervision-All the works shall be carried out under the supervision/direction of OEM Engineer which will be arranged by the contractor. The contractor will ensure to arrange main power for dismantling, working/overhauling & testing work and all testing equipment shall be arranged by the firm at their own cost.

MOKIL ENTERPRISES

PROPRIETOR

*[Signature]*  
 (Name of the contractor)

and address (with tel no)

*[Signature]*  
 Executive Engineer

Hydd Obis Power Station  
 M. P. Raja Vidyut Nigam Ltd  
 Chiba-Sambhadrha (U.P.)

1 of 10

HYDEL OBRA POWER STATION, OBRA,  
DISTT-SONEBHADRA

AGREEMENT NO. 30 / HOPS/ T-39/2024-25 Dated: 26-03-2025



TENDER SPECIFICATION NO. T-39/HOPS/2024-25

**FOR THE WORK OF**

Re-insulation of 02 nos. damaged rotor pole along with re-insulation of 04 nos. pole coils for 33 MW synchronous Hydro Generators at (3333 MW) Hydel Oora Power Station, Oora Sonebhadra.

Name of Firm: M/s Edison Electrical Works Pvt. Ltd.,  
B-7, Lalpuran Market, Dabhoiwan Taluk,  
600002 Coimbatore, Tamil Nadu.

Value of Work : Rs. 27,00,000.00 (Rs. Twenty-Seven Lacs only) +  
GST + Freight insurance extra .

Date of Start : As per LOI No. 1237 / HOPS/ T-39/2024-25 Dt: 12-3-2025.

EXECUTIVE ENGINEER  
HYDEL OBRA POWER STATION, OBRA  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.  
DISTT.-SONEBHADRA

*[Handwritten Signature]*  
[Stamp]  
[Text]

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तमिलनाडु TAMILNADU  
 EDISON ELECTRICAL WORKS PVT LTD.  
 12328  
 LAPURAM MANALUR CHIDAMBARAM  
 EC 886375  
 D.KOLANJI MANI, B.Sc.  
 STAMP VENDOR  
 LICENCE No. 3479 / 97  
 DATED: CHIDAMBARAM - 05/08/07  
 26-02-2025

AGREEMENT NO. 20 / HOPS / T-39 / 2024-25

|    |                      |  |
|----|----------------------|--|
| 01 | Name of Work         | Re-insulation of 02 nos. damaged rotor pole along with re-insulation of 04 nos. pole coils for 33 MW synchronous Hydro Generators of (3X33 MW) Hydol Obra Power Station, Obra Sonbhadra. |
| 02 | Name of Contractor   | M/s Edison Electrical Works Pvt. Ltd., 267 Lapuram, Manalur, Chidambaram Taluk-606002 Cuddalore, Tamil Nadu.   |
| 03 | Period of Completion | 30 days from the date of start as per LOI No. 1237 / HOPS / T-39/2024-25 Dt. 12-3-2025.  |
| 04 | Contract Value       | Rs. 27,00,000.00 (Rs. Twenty Seven Lacs only) + GST + Freight insurance extra.   |

This agreement made on the 26<sup>th</sup> day of MARCH 2025 between M/s Edison Electrical Works Pvt. Ltd., 267, Lapuram, Manalur, Chidambaram Taluk-606002 Cuddalore, Tamil Nadu (here in after referred to as the contractor) of one part and the Executive Engineer, Hydol Obra Power Station, U.P. Jal Vidyut Nigam Ltd., Obra, Sonbhadra (U.P.) ( here on after called the Purchaser of the other part).

Whereas the Purchaser is about to get the work of "Re-insulation of 02 nos. damaged rotor pole along with re-insulation of 04 nos. pole coils for 33 MW synchronous Hydro Generators at (3X33 MW) Hydol Obra Power Station, Obra Sonbhadra" here in after called the works and for the purpose mentioned or enumerated or referred to in general condition, specification schedule, drawing here under covering letter and schedule of prices which for the purpose of identification has been signed by Shri H. Narayan on behalf of M/s Edison Electrical Works Pvt. Ltd. 267, Lapuram, Manalur, Chidambaram Taluk-606002 Cuddalore, Tamil Nadu (The Contractor) and Executive Engineer, HOPS, U.P. Rajya Vidyut Utpadan Nigam Ltd (Jal Vidyut Nigam) Obra, Sonbhadra (U.P.) (The Engineer of the Purchaser) on behalf of the purchaser all of the which are deemed to form part of this contract as though appended set out hereon and are included in the expression contract whenever here in used.

  
 EDISON ELECTRICAL WORKS PVT LTD  
 267 Lapuram Manalur Chidambaram  
 Tamil Nadu India 606 002

  
 (Contd. ... 2)  
 U.P. Jal Vidyut Nigam Ltd  
 Obra, Sonbhadra (U.P.)

  
 (Witness)  
 308 अजिमेरा (विद्युत विभाग)

-2-

And whereas the purchaser has accepted the tender of the contractor for the provision and execution of the said work for the sum Rs. 27,00,000.00 (Rs. Twenty-Seven Lacs only) + GST + Freight insurance extra upon terms and condition here in after mentioned.

Now these present witness and other parties here to here by agree and declare as follows that is to say in consideration payment to be made to the contractor by the purchaser as here in after mentioned the contractor shall provide the said plant for the said work and shall do and perform all other works and the things of the contract mentioned or described or which are implied there from or there in respectively or may be responsible necessary, for the completion of the said work with in and at the time mentioned and in the manner and subject to terms & conditions and stipulated mentioned in the said contract.

And in consideration of the due provisions of completion of said work and the maintenance thereof as aforesaid the purchaser will pay to the contractor the said amount of Rs. 27,00,000.00 (Rs. Twenty-Seven Lacs only) + GST + Freight insurance extra or such time and in such manner as is provided by this contract.

In witness whereof of the parties here to have signed this deed here under on the date respectively mentioned against the signature of each.

Signature

Executive Engineer

(FOR & BEHALF OF THE PURCHASER)  
In presence of  
UP Tatyia Vidyut Nigam Ltd  
Ctra-Sonebhadra (U P)

Signature

(FOR & BEHALF OF THE CONTRACTOR)  
287 EXP. No. 95  
Tamil Nadu India 600 602

1

1

2

2

Tatyia Vidyut Nigam Ltd  
Ctra-Sonebhadra (U P)

Tender No. T-39/HOPS/ 2024-2025

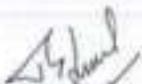
Agreement No 37/HOPS/ T-39/2024-25

**SCHEDULE OF QUANTITIES & RATES**

Name of work : Re-insulation of 02 nos. damaged rotor pole along with re-insulation of 04 nos. pole coils for 33 MW synchronous Hydro Generators at (3X33 MW) Hydrel Obra Power Station, Obra Sonabhadra.

| S.No.                              | Description of work/Item(s)   | Qty. and Units | Unit Rate  | Amount (Rs.) |
|------------------------------------|---|----------------|------------|--------------|
| 1.                                 | Dismantling of 02 nos damaged rotor poles with coil, re-insulation of two no damaged rotor pole, re-insulation of 04 nos pole coils along with the re-fixing of 02 nos rotor poles with coil of 11KV, 33MW Hydro Generator. | 01 Jobs        | 2250000.00 | 2250000.00   |
| 2.                                 | Both way transport charges(excluding transit risk insurance).   | 1 Jobs         | 450000.00  | 450000.00    |
|                                    |   |                | Total Rs.  | 2700000.00   |
| Total (Rs. Twenty Seven Lacs only) |   |                |            |              |

  
 EDISON ELECTRICAL WORKS PVT LTD  
 267 Lalpuram Manalur Chidambaram  
 Tamil Nadu India 608 602

  
 Executive Engineer  
 Hydrel Obra Power Station  
 U P Rajya Vidyut Ngam Ltd  
 Obra-Sonabhadra (U.P.)

  
 (Signature)  
 Executive Engineer (U.P. Sonabhadra)

Tender No. T-39/HOPS/ 2024-2025

Agreement No. 3 of HOPS/ T-39/2024-25

**Scope of work**

Name of work : Re-insulation of 02 nos. damaged rotor pole along with re-insulation of 04 nos. pole coils for 33 MW synchronous Hydro Generators at (3X33 MW) Hydel Obra Power Station, Obra Sonabhadra.

- 1) Deputing team to site with necessary tools for dismantling of 02 nos rotor poles
- 2) Dismantling of 02 nos damaged rotor pole with pole coils and transporting them to their workshop.
- 3) Reinsulation of 02 nos. rotor poles with class-H insulation.
- 4) Reinsulation of 04 nos. Pole coil with class-H insulation.
- 5) Providing new takeoff leads for the 04 nos reinsulated rotor poles.
- 6) Testing the 04 nos. rotor pole coils as per QA plan.
- 7) Transporting back the 02 nos. rotor poles with 04 pole coils to site.
- 8) Refixing of 02 nos. rotor poles with pole coils
- 9) Reconnecting the two rotor pole coils.

**Quality Assurance Plan****Outside the pole body**

- 1) Measurement of coil DC resistance.
- 2) Surge comparison test at 3KV.
- 3) Measurement of coil impedance.
- 4) Coil internal an external insensons.

**After fixing in the pole body**

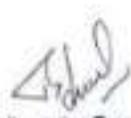
- 1) IR value of the pole coils before and after AC HV test at 1 KV.
- 2) AC HV test at 3 KV for 1 minute.
- 3) Surge comparison test at 3 KV.
- 4) Measurement of coil impedance.

**Final Testing after installation at site**

- 1) Measurement of Insulation Resistance of total rotor winding at 500V.
- 2) Measurement of DC resistance of total rotor winding.

  
 EDSON ELECTRICAL WORKS PVT LTD  
 267 Laborem Mandur Chicombarun  
 Tamil Nadu India 605 602

  
 (Name Sign)  
 3000 000000 (0000 000000)

  
 Executive Engineer  
 Hydel Obra Power Station  
 P. Rajeswari Nigam Ltd  
 (S.S. Constructions LLP)

Tender Specification No. T-38/HOPS/2024-2025 Agreement No. HOPS/T-38/2024-25

### TERMS AND CONDITIONS

**Name of the Work:** - Re-insulation of 02 nos. damaged rotor pole along with re-insulation of 04 nos. pole coils for 33 MW synchronous Hydro Generators at (3X33 MW) Hydel Obra Power Station, Obra Sonbhadra.

#### Special Terms and conditions for Supply portion

|     |   |
|-----|---|
| 1   | <b>COMMERCIAL TERMS AND CONDITIONS</b>  |
| 1.1 | The prices shall remain firm and shall not be changed due to any reason thereof till execution of complete order if order is placed to the firm   |
| 1.2 | The prices quoted should be inclusive of all other extra charges. Only Freight Insurance @ 3% & GST shall be paid extra as per rule   |
| 1.4 | <b>Payment</b><br>90% payment shall be made by RTGS before dispatch of material against the proforma invoice and balance 10 % payment shall be made within 30 days of successful completion of work. Above payment will be made only after submission of Security money @ 10% of contract value in the form of FDR/SG shall have to be deposited by the contractor and the same shall be released after twelve months from successful completion of entire work. (Considering the urgency of this special nature of work and in interest of Ngam payment terms are being changed from tender terms & condition) |
| 1.5 | The material shall be guaranteed for a period of minimum 12 months from the date of installation and commissioning or 18 months from the date of receipt of materials at site whichever is earlier.   |
| 1.6 | <b>INSPECTION:</b><br>Pre-Dispatch Inspection of materials will be carried out at Firm's/ Manufacturer work (all relevant arrangement for inspection shall be made by supplier at their own cost) by authorized representative of UPRVUNL and inspection of material shall also be carried at site after receipt of material. However, material (if required) may get tested by third party authorized by U.P.R.V.U.N.L. at U.P.R.V.U.N.L. Cost. In case of any discrepancies, defective material shall be replaced by the supplier free of cost along with cost of third party inspection                      |
| 1.7 | Rates tendered must be valid for 6 months.  |
| 1.8 | <b>PENALTY:</b> - Penalty @ 1% per week subject to a maximum 10% of the total order value shall be levied for delay in supply beyond completion period.   |
| 1.9 | All the test certificates related to material and other relevant documents shall also be submitted to the inspecting authority at the time of inspection as applicable. The firm has to submit all executed drawings. In case bound hard copies of drawings and manuals (consisting detailed instructions, procedure, precautions, troubleshooting etc.) not submitted by the supplier, a deduction of 2% of total value of supplied items from the contractor bill shall be made. The manual shall be specific to the equipment  |

EDISON ELECTRICAL WORKS PVT LTD  
267 Lalpuram Wanakur Chidambaram  
Tamil Nadu India 605 002

Executive Engineer  
Hydel Obra Power Station  
7 Raja Vidyut Nigam Ltd  
Sonbhadra (U.P.)

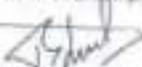
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|      |  |
|------|--|
|      | supplied and not of general nature.  |
| 1.10 | <b>Rejection of Defective material:</b><br>Any defective or inferior material which does not conform to the specification mentioned in the order shall be rejected and shall have to be replaced by the firm free of cost. |
| 1.11 | <b>Consignees:</b><br>Executive Engineer, Hydel Odra Power Station, Odra, Sonbhadra.   |
| 1.12 | <b>Packing:</b><br>It will be the responsibility of the contractor to deliver the material in good packing condition.  |
| 1.13 | <b>Dispatch:</b><br>Entire material will be delivered at Hydel Odra Power Station, Odra, Sonbhadra. Pin-231215.  |
| 2    | <b>GENERAL TERMS AND CONDITIONS</b>  |
| 2.1  | The taxes shall be deducted at source according to Govt. rules.  |
| 2.2  | All the cartage / loading / unloading shall be the responsibility of the firm.   |
| 2.3  | All the terms and condition of UPJNL Form 'B' will also be applicable.   |
| 2.4  | Any dispute regarding the contract shall be subject to the jurisdiction of court at Sonbhadra or high court of Allahabad only.   |
| 2.5  | The Executive Engineer reserves the right to cancel any part or full tender at any stage without assigning any reason thereof.   |
| 2.6  | Any increase/decrease in the existing duties or any fresh imposition of taxes/duties by the Central/State Government shall be paid/deducted as actual applicable.  |
| 2.7  | Make of each item must be provided by the firm in the price bid, otherwise firm shall be treated as rejected. Tenderer will submit documents regarding material with tender part 1 <sup>st</sup> documents.                |

**General TERMS AND CONDITIONS for entire work**

|   |  |
|---|--|
| 1 | The prices are inclusive of all consumables, labour and transportation charges. The rates quoted by contractor shall include cost of all material, labour, T&P etc required. Ngam will not provide any Material and T&P etc. EOT crane and compressor available shall be provided to the firm. GST shall be paid/deducted as legally applicable.   |
| 2 | EMD shall be retained as security. Rates tendered must be valid for 180 days.  |
| 3 | Extra material and scrap shall be returned to department, if any (Contractor will hand over the same to junior engineer in charge.) Otherwise cost of same shall be deducted from the contractor's bill.   |
| 4 | The total work completion period shall be 90 days from the date of letter of intent issued.  |
| 5 | <b>Payment</b><br>90% payment will be made after successful completion of work and balance 10% will be made after expiry of 12 months from date of successful completion of work. In case of 100% running payment, Security money @ 10% of contract value in the form of FDR/SC shall have to be deposited by the contractor and the same shall be released after twelve months from successful completion of entire work. Payment shall be made after fund against the same received from the Head Office Lucknow against the same. |
| 6 | <b>PENALTY:</b> - A penalty of 1% per week subject to a maximum of 10% of uncompleted work shall be levied for late completion of work.  |

  
EDISON ELECTRIC WORKS PVT LTD  
267 Lajpura Nandan Caidanbaram  
Tamil Nadu India 605 602

  
Executive Engineer  
Hydel Odra Power Station  
P. Raja Mohan Mehta Ltd  
Chandernagar 201017

  
(Date Recd)  
Date of Recd (UP's of work)

- 7 Guarantee period for work done is twelve months from the date of completion of each job. During the guarantee period the contractor will be responsible for any defect or damages. In case the contractor does not attend the defect in time the same will be got repaired through an outside agency and payment will be deducted from the contractor bill or from the security money.
- 8 All material, T&P and skilled / unskilled staff are to be arranged by the contractor at his own cost.
- 9 Cutting, welding, and machining equipment's are also to be arranged by the contractor himself at his own cost, if required.
- 10 Transportation of materials will be the responsibility of the contractor. He will be responsible for any damages in materials during transportation.
- 11 All the cartage / loading / unloading shall be of the firm.
- 12 Contractor will have to arrange proper switchboard for electrical connections at his own cost, welding and light cables should be free from defects to avoid any accidents.
- 13 All debris, oil spots and garbage at work site should be cleaned by the contractor firm after completion of work otherwise amount which will be spend on the clearing of same will be deducted from the contractor bill.
- 14 Dismantled parts of the equipment are to be kept in clean place, covered properly and the custody of the spare/equipment from theft pilferage is the responsibility of the contractor.
- 15 All consumables such as clearing firing agent, hardware, bearing, Rubber packing, O rings, welding electrodes, Primer, paints, starter contacts, etc, as shown in Annexure-1 are to be arranged provided by the contractor at his own cost. The contractor will hand over the all material required for the annual overhauling of said machines to the concern Junior Engineer as given in list of material.
- 16 Approved quality material shall only be used. Clearance for the same will be given by Junior engineer in charge / Asstt. Engineer HOPS, Obra / Engineer in charge HOPS Obra. AE(Concern) will also be responsible after JE (concern) for each and every work done by the contractor, after proper satisfaction of work, measurement bill submitted by the concern JE and then AE(Concern) will verify the bill.
- 17 The contractor will keep proper record of material issued by UPJVNLI; any shortage shall be recovered at double the cost.
- 18 The contractor shall comply with all the provisions of the EPF rules, Workmen Compensation Act 1923, Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970 amended from time to time and rules framed there under. The provision of building and other Construction Worker's Regulation of Employment & Condition of Service Act, 1936 amended from time to time and rules framed thereon to be followed. The Deptt. will not be responsible for any compensation of man & material. For any causality with the contractor's worker at site, the contractor shall be fully responsible for his medical aid and compensation etc. as the case may be. All risk to man and material shall be borne by the contractor.
- 19 Insurance-All the Contractor's workmen shall be covered under the Employees State Insurance Scheme, Mediclaim Policy or any other scheme which may be specified by the Statutory Authorities from time to time.
  - a) The contractor shall arrange, secure and maintain insurance as may be necessary to protect his own interest and the interest of the Nigam against all risks. The risk that are to be covered under the insurance shall include, but not be limited to the loss or damage in transit, theft, pilferages/riot, civil commotion, weather conditions, accidents of all kinds.

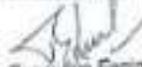
EDISON ELECTRICAL WORKS PVT LTD  
267 Lalpuram Manalur Chidambaram  
Tamil Nada India 608 002

*Signature*  
(Name)  
M/s. Edison Electrical Works Pvt. Ltd.

*Signature*  
Executive Engineer,  
Hydel Obra Power Station  
U P Rajya Vidyut Nigam Ltd  
Obra-Sambalpur-751 027

- the war risks etc during transportation only.
20. Insurance is to be taken for the F.O.R. destination value of the equipment for transit from the manufacturer's works to destination plus 45 days storage thereafter.
21. First Aid Box shall be kept in the Contractor's site office. The Contractor's site incharge and his key supervisors shall be trained in administering first aid, preliminary treatment for electrical shocks, fall from height and burns etc. When an emergency condition exists every supervisor shall ensure, a) All work is stopped at once, b) All equipment is shutdown, c) All men are evacuated to a pre-determined assembly point, d) A roll call is taken and every man is accounted for, e) No one shall be permitted to return to work until notification has been received from a responsible authorized agency that it is safe to do so.
22. All standard conditions of form 'A&B' OF U.P.R.V.U.N.Ltd. shall be part of the contract.
23. The TDS shall be deducted at source according to Govt. rules.
24. Any dispute regarding the contract shall be subject to the jurisdiction of court at Sonabhadra or high court of Allahabad only.
25. For all delays caused on account of Force Major & departmental negligence the contractor shall not be held responsible and necessary extension of time shall be provided.
26. The contractor shall be responsible for the safe custody of the work during repairing and maintenance till the date of handing over to Nigam.
27. The Executive Engineer reserves the right to cancel any part or full tender at any stage without assigning any reason thereof.
28. Contractor may inspect the site for assigning the works before quoting their rates.
29. The contractor will deploy adequate skilled manpower. Filers should be I.T.I. certificate having adequate experience of similar job. The supervisor of the contractor shall take necessary work permit from AE / JE before taking up any work.
30. Special arrangement and other necessary safety arrangement shall have to be done by the contractor at his own cost, if required. Contractor shall be fully responsible for making such mechanical arrangements.
31. Rent free store accommodation shall be provided to the contractor during execution of work, if same will available. The electricity charges shall be deducted from running bills @ Rs. of 750/- per month. Use of AC in Rent free store accommodation will not be allowed in any case.
32. Individual quantity may vary to any extent but overall value will be restricted  $\pm$  10%.
33. If during inspection, the progress of work is found slow or unsatisfactory quality of work is not found satisfactory by the Engineer of the purchaser, the Engineer of the contract will have full right to terminate the agreement by giving one week notice.
34. The contractor will follow the instructions of concern AE & JE against scope of work and the work shall be completed as per norms.
35. The Contractor shall furnish an Indemnity Bond against all such items/equipments taken to his workshop for the purpose of overhauling/repair work or testing. The valuation of such items/equipments shall be decided by the Engineer-in-Charge of HOPS obra in consultation with SE, HGC Pipri.
36. The method of evaluation of L1 bidder for awarding the Contract shall be on consolidated grand total offer by the bidders and will be decided by taking into consideration of the total offered price including Parts(A+B).
37. The work of additions, alterations and modifications includes cutting out certain portions

  
**EDISON ELECTRICAL WORKS PVT LTD**  
 267 Lalpuran Mandur Chidambaram  
 Tamil Nadu India 608 602

  
**Executive Engineer**  
 Hydrol. Power Station  
 U. P. Raikis Wghst Nigam Ltd.  
 Chidambaram (T.N.)

  
 (Name Not Clear)  
 (Name Not Clear)

the covering of welds, cutting, grinding, fabrication welding, drilling holes, specifically for the work straightening, removal of beads painting and touch of painting. Additions, alterations and modifications as required either before erection or after erection including any extra work may have to be carried out at site by the contractor at his own cost which will be included in quoted prices.

- 38 The bidders are requested to make themselves fully conversant with the scope of work seeing working site, technical specification, general terms and conditions as per terms and conditions for the work contract for UPRVUNL (Jal Vidyut Unit) etc. before submission of the tender and thereafter they should quote their rates in price schedule accordingly so that no ambiguity at later stage arises.
- 39 Extra material required for proper completion of work, Except Major supply items as per system that will design, Engineering and manufacturing by firm, shall be arranged/supplied by the contractor at his own cost as a part of contract.
- 40 The Contractor shall strictly abide by the security rules and regulations enforced by the UPRVUNL Ltd. (Jal Vidyut Unit) from time to time. The Contractor shall provide proper identity cards, badges etc., to his employees. The Contractor shall have to provide the name with full address of all his employees/worker/supervisor on his letter duly signed with stamp to the concern representative of UPRVUNL Ltd. (Jal Vidyut Unit) and the contractor shall submit it to CISF before starting of the work to obtain the gate pass of the concerned person.
- 41 Supervision-All the works shall be carried out under the supervision/direction of O&M Engineer which will be arranged by the contractor. The contractor will ensure to arrange man power for dismantling, erection/commissioning & testing work and all testing equipment shall be arranged by the firm at their own cost.

  
 EDISON ELECTRICAL WORKS PVT LTD  
 257 Lalpura Manakur Chidanbaran  
 Tamil Nadu India 638 602

  
 Executive Engineer  
 Hydel Ctra Power Station  
 V P. Raju Vidyut Nigam Ltd  
 Ctra-Someshwar Dam

  
 (Name Sign)  
 257 Lalpura Manakur Chidanbaran

**HYDEL OBRA POWER STATION, OBRA, DISTT-  
SONEBHADRA**

AGREEMENT NO. 28 /HOPS/T-23/2024-25, Dated: 07-03-2025

**FOR THE WORK OF**Replacement of 01 nos. 110.4 KV, 400 KVA Unit Auxiliaries Transformer of machines  
at HOPS, Obra.Name of Firm : M/s Kumar Electrical Industries, Durgu Bazar, Mirzapur-  
231001 (UP)Value of Work : Rs. 9,43,800.00 ( INR. Nine Lakh Forty Three Thousand Eight  
Hundred Only)Work Completion: 60 Days from the LOI issue date and Work Completion period  
will be 30 Days based on shutdown of machine given by Engineer in charge as per  
LOI No. 1011/HOPS/T-23/2024-25 Dt: 04-01-2025**EXECUTIVE ENGINEER  
HYDEL OBRA POWER STATION, OBRA  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.  
DISTT.-SONEBHADRA**  
07/03/2025  
07/03/2025



And whereas the purchaser has accepted the tender of the contractor for the provision and execution of the said work for the sum Rs. 9,43,000.00 ( INR. Nine Lakh Forty Three Thousand Eight Hundred Only) Plus GST extra upon terms and condition here in after mentioned.

Now these present witness and other parties here to here by agree and declare as follows that in to say in consideration payment to be made to the contractor by the purchaser as here in after mentioned the contractor shall provide the said joint for the said works and shall do and perform all other works and the things of the contract mentioned or described or which are implied there from or there in respectively or may be responsible necessary, for the completion of the said work within and at the time mentioned and in the manner and subject to terms & conditions and stipulated mentioned in the said contract.

And in consideration of the due provision of completion of said work and the maintenance there of as aforesaid the purchaser will pay to the contractor the said amount of Rs. 9,43,000.00 ( INR. Nine Lakh Forty Three Thousand Eight Hundred Only) Plus GST extra or such line and in such manner as is provided by this contract.

In witness whereof of the parties here to have signed this deed here under at the date respectively mentioned against the signature of each.

Signature

Signature

(FOR & BEHALF OF THE PURCHASER)  
Hydel Dam Power Station

In presence of Dr. Rajya Vajpai Nigam Ltd.  
(Sanctified (UP))

(FOR & BEHALF OF THE CONTRACTOR)

In presence of



1 \_\_\_\_\_

1 \_\_\_\_\_

2 \_\_\_\_\_

2 \_\_\_\_\_

[Handwritten Signature]  
Date: ( ) / ( ) / ( )  
[Blue Stamp]

Page No 2/1000

Jointly Authorized Executive Engineer, Hydro/Other Power Station Division, OMR

List of items, Procurement of 01 nos. 110 k KV, 400 KVA Load Autotransformer of outdoor at ICRRI, OMR.

Contract No. T-24101/PT/2014-15

| Sl. No.   | TEXT A   | QUANTITY | UNIT | TEXT B | QUANTITY | UNIT | TEXT C | UNIT | TEXT D | TEXT E | TEXT F |
|---|--|----------|------|--------|----------|------|--------|------|--------|--------|--------|
| 1   |  | 1        | nos  | 12     |          | 12   | 12     | nos  | 12     | 12     | 12     |
| 2   | Supply of 110 k KV A Load Autotransformer of maximum with complete accessories as per technical specifications mentioned below: 400000VA/110/400 KV Outdoor Transformer (Outdoor)  | 1        | nos  | 400    |          | 400  | 400    | nos  | 400    | 400    | 400    |
| 3   | Overriding of old conductor after removing 110 k KV cable and suspending it as Council approved type.  | 1        | nos  | 800    |          | 800  | 800    | nos  | 800    | 800    | 800    |
| 4   | Installation of new 400KV/110 k KV (0/111) transformer, installation of 110 k KV cable with insulating cover with line solution for the termination of 22 nos. 22 nos 021 kg each, string of 111 component, string of 01 for suspension complete to all types. | 1        | nos  | 800    |          | 800  | 800    | nos  | 800    | 800    | 800    |
| Total In Figures                                      |  |          |      |        |          |      |        |      |        |        |        |
| Grand Total in Words                                  |  |          |      |        |          |      |        |      |        |        |        |
| RHS Nine Lakh Forty Three Thousand Eight Hundred Only |  |          |      |        |          |      |        |      |        |        |        |



Executive Engineer

Hydro/Other Power Station

 P. T. Raju Vajjala Rajan Ltd  
 Chra-Somnath (U.P.)

P. T. Raju Vajjala Rajan Ltd

(Signature of P. T. Raju Vajjala Rajan Ltd)

Tender No- T-23/HOPS/2024-25

Agreement No- J.F/HOPS/T-23/2024-25

SCOPE OF WORK, TECHNICAL AND COMMERCIAL TERMS & CONDITIONS

Name of work > Replacement of 01 nos. 11/0.4 KV, 400 KVA Unit Auxiliaries Transformer of machines at HOPS, CDra.

| S. No. | Particulars   | Qty. |     |
|--------|---|------|-----|
| 1      | Supply of 11/0.4 KVA Unit Auxiliaries Transformer of machines with complete accessories as per technical specification attached (Mako-ENCO/MD LM/CO Power/Schneider Electric)   | 01   | Job |
| 2      | Dismantling of said transformer after removing HV & LV cable and transporting it to Central store of HOPS.  | 01   | Job |
| 3      | Installation of new 400 KV/ 11/0.4 KV (Dy11) transformer, termination of HV & LV cables after fabricating new cable box suitable for the termination of 02 Nos. 3.3 core 425 Sq. mm cable, filling of HT compound, fixing of all the auxiliaries complete in all respect. | 01   | Job |

Schedule Of Guaranteed Technical Particulars of 11/0.4 KV, 400 KVA  
Unit Auxiliaries Transformer

|    |                                    |                              |
|----|------------------------------------|------------------------------|
| 1  | Capacity KVA                       | 400                          |
| 2  | Equipment                          | Unit Auxiliaries Transformer |
| 3  | Reference Standard                 |                              |
|    | a. Transformer design and testing  | IS-2005                      |
|    | b. Loading                         | IS-6900                      |
|    | c. Oil                             | IS-355                       |
|    | d. Porcelain bushing               | IS-2367                      |
| 4  | Tolerance on electrical parameters | IS-2026                      |
| 5  | Duty                               | Continuous                   |
| 6  | Windings                           | 00 copper                    |
| 7  | Type                               | Outdoor                      |
| 8  | Rated input                        | 11 KV                        |
| 9  | Rated output                       | 0.4 KV                       |
| 10 | Frequency                          | 50 HZ                        |



Engineer in Charge  
 Jharkhand Power Corporation Ltd.  
 CDRA, HOPS

Tenderer

(Name of)  
 Tenderer (Name of)

|    |                                     |  |
|----|-------------------------------------|--|
| 11 | No. of Phases                       | 3  |
| 12 | Input configuration                 | Delta  |
| 13 | Output Configuration                | Star   |
| 14 | Vector Group                        | Dy11   |
| 15 | No of stages of tap changer         | 8  |
| 16 | Tapping                             |  |
| 17 | Cooling                             | ONAN   |
| 18 | Max. Ambient Temperature            | 50   |
| 19 | Max. Oil temperature rise           | 50   |
| 20 | Max. Winding temperature rise       | 55   |
| 21 | HV side high voltage withstand test | 28 KV  |
| 22 | LV side high voltage withstand test | 3 KV   |
| 23 | % Impedance at 75 degree Celsius    | 5.50%  |
| 24 | Induced Over voltage withstand test |  |
|    | a. Applied on HV side               | 22 KV  |
|    | b. Applied on LV side               | 0.886 KV   |
| 25 | % Regulation at 75 degree Celsius   |  |
|    | a. At unity P.F.                    | 1.48%  |
|    | b. At 0.8 P.F.                      | 3.83%  |
| 26 | Terminal arrangement                |  |
|    | a. HV side                          | Cable box suitable for one no. 3X35 sq mm cable      |
|    | b. LV side                          | Cable box suitable for two no. 3.5 X 625 sq mm cable |
| 27 | Standard Fittings                   |  |
|    | Name plate & diagram plate          | Should be provided                                   |
|    | Earth terminals                     | ---do---   |
|    | Lifting lugs                        | ---do---   |
|    | Oil level indicator                 | ---do---   |
|    | Filter valve with plug              | ---  |
|    | Drain cum Oil sampling valve        | ---  |



Executive Engineer,  
Hydel Class Division

Sub. P. No. 100/2018-19  
Date: 10/10/2018

|   |        |
|---|--------|
| Conservator with oil filling hole                             | — do — |
| Thermometer pocket  | — do — |
| Dial type Oil temp. indicator with maximum indicating pointer | — do — |
| Air release plug  | — do — |
| Dehydrating breather  | — do — |
| Explosion vent  | — do — |
| Inspection cover  | — do — |
| Wachholtz relay   | — do — |
| Oil directional roller  | — do — |



*[Signature]*  
 Executive Engineer  
 Hydrol Chlor Plant Station  
 Chhatrapati Shivaji Maharaj  
 Chhatrapati Shivaji Maharaj

*[Signature]*  
 (Name)  
 (Address)

TENDER NO. T-23/HOPS/2024-2025

Agreement No- 2-F HOPS/T-23/2024-25

Name of work: Replacement of 63 nos. 11/0.4 KV, 400 KVA Unit Auxiliaries Transformer of machines at HOPS, Odra.

**TERMS AND CONDITIONS**

- 1 The prices are inclusive of all consumables, labour and transportation charges. The rates quoted by contractor shall include cost of all material, labour, T&P etc required. Nigam will not provide any Material and T&P etc. GST shall be paid/deducted as legally applicable.
- 2 Firm must be manufacturer /authorized dealer of (MCC/MR) (LPCO Power/Schneider Electric make only).
- 3 60 Days from the LOI issue date and Work Completion period will be 30 Days based on shutdown of machine given by Engineer in charge.
- 4 50% payment shall be made on work completion basis and balance 10% shall be retained as performance guarantee which shall be released after twelve months from successful completion of entire work. In case of 100% running payment, Security money @ 10% of contract value in the form of FDR/NS shall have to be deposited by the contractor and the same shall be released after twelve months from successful completion of entire work. Payment against the same shall be made only after fund received from the Head Office Lucknow.
- 5 PENALTY: A penalty of 1% per week subject to a maximum of 10% of uncompleted work shall be levied for late completion of work.
- 6 Guarantee period for work done is twelve months from the date of completion of work. During the guarantee period the contractor will be responsible for any defect or damages. In case the contractor does not attend the defect in time the same will be got done through an outside agency and payment will be deducted from the contractor bill or from the security money.
- 7 All material, T&P and skilled / unskilled staff are to be arranged by the contractor at his own cost.
- 8 Transportation of materials will be the responsibility of the contractor. He will be responsible for any damages in materials during transportation.
- 9 All the cartage / loading / unloading shall be of the firm.
- 10 Contractor will have to arrange proper switchboard for electrical connection at his own cost, welding and light cables should be free from defects to avoid any accidents.
- 11 All debris, oil spots and garbage at work site should be cleaned by the contractor /firm after completion of work otherwise amount which will be spend on the cleaning of same will be deducted from the contractor bill.
- 12 All consumables if any such as cleaning, Flaring agent, hardware, Rubber packing, Welding electrodes, Primer, paints, etc. for successful completion of job will be arranged /provided by the contractor at his own cost.



Approved quality material shall only be used. Clearance for the same will be given by Junior engineer in charge / Assistant Engineer HOPS, Odra./ Engineer in charge HOPS, Odra. After receiving satisfaction of the concerned bill submitted by the concerned and then AE (Concern) will verify the bill and sign.

*(Signature)*  
 (Name of)  
 (Designation) (etc. etc.)

*(Signature)*  
 Head Office Power Station  
 Nigam Ltd  
 Lucknow (U.P.)

|    |   |
|----|---|
| 14 | The contractor will keep proper record of material issued by UPFVNL, any shortage shall be recover double the cost.   |
| 15 | The contractor shall comply with all the provisions of the EPF rules, Workmen Compensation Act 1926, Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act 1970 amended from time to time and rules framed there under. The provision of building and other Construction Worker Regulation of Employment & Condition of Service Act, 1966 amended from time to time and rule framed thereon to be followed. The Deptt. will not be responsible for any compensation of man & material. For any causality with the contractor's worker at site, the contractor shall be fully responsible for his medical aid and compensation etc. as the case may be. All risk to man and material shall be borne by the contractor. |
| 16 | All the Contractor's workmen shall be covered under the Employees State Insurance Scheme, Multi-Coin Policy or any other scheme which may be specified by the Statutory Authorities from time to time.  |
| 17 | First Aid Box shall be kept in the Contractor's site office. The Contractor's site-in charge and his key supervisors shall be trained in administering first aid, preliminary treatment for electrical shocks, fall from height and burns etc. When an emergency condition exists every supervisor shall ensure: a) All work is stopped at once. b) All equipment is shutdown. c) All men are evacuated to a pre-determined assembly point. d) A roll call is taken and every man is accounted for. e) No one shall be permitted to return to work until notification has been received from a responsible medical agency that it is safe to do so.   |
| 18 | All standard conditions of form 'N&F' of UPFVNL shall be part of the contract.  |
| 19 | The TDS shall be deducted in source according to Govt. rules.   |
| 20 | Any dispute regarding the contract shall be subject to the jurisdiction of court at Sambhal or high court of Allahabad only.  |
| 21 | For all delays caused on account of Force Major & departmental negligence the contractor shall not be held responsible and necessary extension of time shall be provided.   |
| 22 | The contractor shall be responsible for the safe causality of the work during repairing and maintenance till the date of handing over to Ripan.   |
| 23 | The Executive Engineer reserves the right to cancel any part or full tender at any stage without assigning any reason therefor.   |
| 24 | Contractor may inspect the site for assigning the work before quoting their rates.  |
| 25 | The contractor will deploy adequate skilled manpower. Fitmen should be I.T.I. certificate having adequate experience of similar job. The supervisor of the contractor shall take necessary work permit from AE / J before taking up any work.   |
| 26 | Special arrangement and other necessary safety arrangement shall have to be done by the contractor at his own cost, if required. Contractor shall be fully responsible for making such mechanical arrangements.   |
| 27 | Rest free store accommodation shall be provided to the contractor during execution of work, if same will available. The electricity charges shall be deducted from running bills @ Rs. of 200/- per month. Use of AC in rest free store accommodation will not be allowed in any case.  |
| 28 | Individual security may vary to any extent but overall value will be restricted to 20000/-  |



*Signature*  
(Name)

UPPCO OFFICE (N° 10/2021)

*Signature*  
Executive Engineer  
M. P. Raju (Joint Project Station)  
Sambhal (U.P.)

29. If during inspection, the progress of work is found slow or unsatisfactory quality of work is not found satisfactory by the Engineer of the purchaser, the Engineer of the contract will have full right to terminate the agreement by giving one week notice.
30. The contractor will follow the instructions of concern AE & A against scope of work and the work shall be completed as per norms.
31. The Contractor shall furnish an indemnity bond against all such items/equipments taken to his workshop for the purpose of overhauling/repair work or testing. The valuation of such items/equipments shall be decided by the Engineer-in-Charge of HOPS Odra in consultation with SE, HCC Viji.
32. The method of evaluation of LL bidder for awarding the Contract shall be on consolidated grand total offer by the bidders and will be decided by taking into consideration of the total offered price.
33. The work of additions, alterations and modifications includes cutting out certain portion or grouting of welds, cutting, grinding, fabrication-welding, drilling holes, specifically for the work, straightening, removal of bends painting and touch of painting. Additions, alterations and modifications as required either before erection or after erection including any extra work may have to be carried out at site by the contractor at his own cost which will be included in quoted prices.
34. The bidders are requested to make themselves fully conversant with the scope of work seeing working site, technical specification, general terms and conditions as per terms and conditions for the work contract for UPRVNL etc. before submission of the tender and thereafter they should quote their rates in price schedule accordingly so that no ambiguity at later stage arises.
35. Extra material required for proper completion of work, Except Major supply items as per system that will design, Engineering and manufacturing by firm, shall be arranged/supplied by the contractor at his own cost as a part of contract.
36. The Contractor shall strictly abide by the security rules and regulations enforced by the UPRVNL from time to time. The Contractor shall provide proper identity cards, badges etc. to his employees. The Contractor shall have to provide the name with full address of all his employees/worker/supervisor on his letter duly signed with stamp to the concern representative of UPRVNL and the contractor shall submit it to CSF before starting of the work to obtain the gate pass of the concerned person.



*Chakraborty*  
 10/11/2012  
 10/11/2012

*[Signature]*  
 Executive Engineer  
 Hydel Odra Power Station  
 Jy. P. Vijiya Vijiya Vijiya Ltd  
 Odra-Sambharin (R.P.)

उ० प्र० राज्य विद्युत उत्पादन निगम लि०  
U. P. Rajya Vidyut Utpadan Nigam Limited  
(उत्तर प्रदेश सरकार का उपक्रम)  
12<sup>वां</sup> तार सड़कियान विहार, 14-अमरा नगर 226019  
CINU31901UP1905SGC007135



OFFICE OF THE  
EXECUTIVE ENGINEER  
HDEL OBRA POWER STATION  
P.O.-OBRA-231219  
DIST. SONBHADRA (U.P.)  
Telex No. 2044282



Email: [enob@upvunl.com](mailto:enob@upvunl.com)

कार्यालय  
प्रोडक्सी अभियान्त  
ओबरा पवर स्टेशन  
पोस्टाड-ओबरा-231219  
जिला-ओबरा  
टेली नं०-2044282

No. HOPST-15/2024-25

Dated: 2.5/11/2024

Subject: - Supply, Installation, Testing & Commissioning of 01 No. 220V DC, 300AH battery set of 110 Cell (2.1V each lead acid plate type cell with tubular plates and transparent SAN type container) in 3X33 MW HOPS, Obra, Sonbhadra.

M/s. Krishna Kumar Distributors Pvt Ltd,  
1128 Benajhar Road,  
Kanpur.

Dear Sirs,

With reference to above and as approved by the purchased committee an order is hereby placed on you for supply of following material on the rates, terms and conditions stipulated below:

**SCHEDULE OF QUANTITIES AND PRICES:-**

| Sr. No.   | Name of Items  | Qty.     | Rate (Rs.) | Amount (Rs.)    |
|-----------|--|----------|------------|-----------------|
| 1-        | 01 Set of 220V Lead Acid stationary cells each set of consisting of 110 nos. 300AH, Tubular type cells (2.1V each) in transparent SAN container completed with tubular positive plates, negative plates, ads. vent plugs, belts & nuts, with HRT, Electrolyte of sp. Gr. 1.220 sufficient for battery set, wooden battery stand with acid proof paint etc. (Make- Exide) (As per Sample) | 110 Cell | 17100/-    | 18,81,000.00    |
| 2-        | Dismantling of old battery set and installation & commissioning of new battery set   | 01 Set   | 38,000/-   | 38,000.00       |
| 3-        | Buy back of old battery set (110 Nos.)   |          |            | (-) 1,21,000.00 |
| Total Rs. |  |          |            | 17,98,000.00    |

(Rs. Seventeen Lac Ninety Eight Thousand only)+ GST Extra

**Commercial Terms and Conditions:-**

|    |          |  |
|----|----------|--|
| 1- | Price    | Price are inclusive of all P&F, Freight charges etc. The prices are FOR HOPS, Obra, Sonbhadra (U.P.)   |
| 2- | Payment  | 100% payment after receipt of material against submission of BQ/FCR 10% of value valid for the guaranteed period, otherwise 50% payment shall be made on completion of supply and physical checking at site store after deducting 10% performance guarantee which shall be released after expiry of guarantee period. Payment shall be made after fund received against the same from Lucknow Head Office. |
| 3- | Taxes    | GST shall be paid extra as applicable  |
| 4- | Warranty | The material shall be guaranteed for a period of 18 months from the date of delivery or 12 month from the date of testing & commissioning of battery set. Material make- Exide only.   |
| 5- | Penalty  | Penalty @ 1/2 % per week subject to a maximum 10 % of the total order value shall be.  |

*(Signature)*  
(रक्षा सिंह)  
अभियान्त (प्रोडक्सी पवर स्टेशन)

|     |                                 |   |
|-----|---------------------------------|---|
| 6-  | Inspection                      | levied for delay in supply beyond completion period<br>The material shall be inspected by the concern Site AE /JE together With AE/JE of Store of Hydel Obra Power Station, Obra, Sonbhadra |
| 7-  | Rejection of Defective material | Any defective or inferior material which does not conform to the specification mentioned in the order shall be rejected and shall have to be replaced by the firm free of cost              |
| 8-  | Consignee                       | Executive Engineer, Hydel Obra Power Station, Obra, Sonbhadra   |
| 9-  | Packing                         | It will be the responsibility of the contractor to deliver the material in good packing condition.  |
| 10- | Dispatch                        | Entire material will be delivered at Store of Hydel Obra Power Station, Obra, Sonbhadra.  |

#### General Terms & Conditions:-

|    |  |
|----|--|
| 1- | The supply completion period shall be of 60 days and work completion period of 30 Days from the date of start given by AE/JE in charge |
| 2- | The taxes shall be deducted at source according to Govt. rules.  |
| 3- | All the cartage/loading/unloading shall be the responsibility of the firm.   |
| 4- | All the terms and condition of UPRVUNL form 'A&B' as well as tender specification T-15/HOPS/2024-25 will also be applicable            |
| 5- | Any dispute regarding contract shall be subject to the jurisdiction of court at Sonbhadra or High court of Allahabad only.             |

(R.S. Jaiswal)  
Executive Engineer

No. 894 /HOPS/T-15/2024-25/ Supply/CF Dated:

Copy forwarded to the following for information and necessary action:

1. SE, HGC, Pipri, Sonbhadra(UP)
2. Assistant Engineer (Store) HOPS, Obra, Sonbhadra.
3. Assistant Engineer (Test), HOPS, Obra, Sonbhadra.
4. Junior Engineer (Store), HOPS, Obra, Sonbhadra.
5. Junior Engineer (Test), HOPS, Obra, Sonbhadra.
6. Divisional Accountant, HOPS, Obra, Sonbhadra.

(R.S. Jaiswal)  
Executive Engineer

1  
Chandra Shekhar  
(Name Sir)  
जुवा अधिकारी (सीई प्रो. एंज.)

**HYDEL OBRA POWER STATION, OBRA,  
DISTT-SONEBHADRA**

AGREEMENT NO. 10 / HOPS/T-13/2023-24 Dated: 02/05/2024



**TENDER SPECIFICATION NO. T-13/HOPS/2023-24**

**FOR THE WORK OF**

**Rehabilitation of all Intake Stop Log Gates (excluding painting) at Hydel Obra  
Power Station, Obra, Sonbhadra.**

**Name of Firm** : Hydro Engineers & Divers (India) Pvt. Ltd, 42, Chowk  
Mohalla, Kankher Khara, Meerut Cantt.

**Value of Work** : Rs. 1,14,550.00 (Rs. Eight Lac Eighty Four Thousand Five  
Hundred Filly Only) + GST Extra.

**Date of Start** : As per Work of indent issued by AE(MM) against LOI No. 1002/  
HOPS/ T-13/2023-24/CF Dt: 10.11.2023.

**EXECUTIVE ENGINEER  
HYDEL OBRA POWER STATION, OBRA  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.  
DISTT.-SONEBHADRA**

*(Signature)*  
 (Name of)  
 The authority (U.P. Vidyut Nigam)



उत्तर प्रदेश UTTAR PRADESH

GE 891574

AGREEMENT NO. IN HOPS/11/13/2023-24

Date: 02/10/2024

|    |                      |   |
|----|----------------------|---|
| 01 | Name of Work         | Rehabilitation of all Intake Stop Log Gates (excluding pumping) at Hydel Obra Power Station, Obra, Sonbhadra. |
| 02 | Name of Contractor   | Hydro Engineers & Divers (India) Pvt. Ltd., 242, Chavak Mahalla, Kanheri Khara, Meerut, Uttar Pradesh.        |
| 03 | Period of Completion | 12 Months from the date of start or per L1/ No. 1853/KOPU T-12/2023-24/20 dated 18.11.2023.                   |
| 04 | Contract Value       | Rs. 8,94,20,00 (Rs. Eight Lacs Eighty Four Thousand Five Hundred Fifty Only) plus GST extra.                  |

This agreement bears on the 23rd Nov. 2023 between Hydro Engineers & Divers (India) Pvt. Ltd., 242, Chavak Mahalla, Kanheri Khara, Meerut, Uttar Pradesh (here in after referred to as the contractor) of one part and the Executive Engineer, Hydel Obra Power Station, U.P. Rajya Vidyut Utpadan Nigam Ltd. Obra, Sonbhadra (here in after called the purchaser) of the other part.

Whereas the Purchaser is about to get the work of "Rehabilitation of all Intake Stop Log Gates (excluding pumping) at Hydel Obra Power Station, Obra, Sonbhadra" here in after called the work and for the purpose mentioned or enumerated or referred to in general condition specification schedule, drawing form tender, costing letter and schedule of prices which for the purpose of identification has been signed by Sri Ranjiv Sharma behalf of M/s. Hydro Engineers & Divers (India) Pvt. Ltd., 242, Chavak Mahalla, Kanheri Khara, Meerut, Uttar Pradesh (The Contractor) and Executive Engineer, HOPS, U.P. Rajya Vidyut Utpadan Nigam Ltd. Obra, Sonbhadra (U.P.) (The Engineer of the Purchaser) on behalf of the purchaser all of the which are deemed to form part of the contract as though separately set out herein and are included in the expression contract wherever here in used.

And whereas the purchaser has accepted the tender of the contractor for the provision and execution of the said work for the sum of Rs. 8,94,20,00 (Rs. Eight Lacs Eighty Four Thousand Five Hundred Fifty Only) plus GST extra upon terms and condition here in after mentioned.

Now these present witness and other parties here to here by agree and declare as follows that is to say in consideration payment to be made to the contractor by the purchaser as here in after mentioned the contractor shall provide the said work for the said work and shall do and perform all other works and the things of the contract mentioned or described or which are implied there from or there in respectively or may be responsible necessary, for the completion of the said work with in and at the time mentioned and in the manner and subject to terms & conditions and specification mentioned in the said contract.

Witnessed and signed by the said contractor

*[Signature]*  
Contractor

*[Signature]*  
(Date 02/10/24)  
जमा अधिका (प्राप्त कर अर्थ)

*[Signature]*  
Executive Engineer  
Hydel Obra Power Station  
U.P. Rajya Vidyut Utpadan Nigam Ltd  
Obra, Sonbhadra (U.P.)

And in consideration of the due provisions of completion of road work and the maintenance thereof as aforesaid the purchaser will pay to the contractor the said amount of Rs. 2,34,338.00 (Rs. Eight Lacs Eighty Four Thousand Five Hundred Fifty Eight Plus GST) and in such manner as is provided by this contract.

In witness whereof the parties hereto have signed this deed here under on the date respectively mentioned against the signature of each.

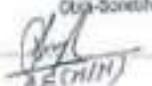
Signature

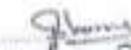
Signature

  
 Executive Engineer  
 (FOR & BEHALF OF THE PUNJAB GOVT.)  
 In presence of  
 J.P. Raju Vaidhyanathan Nigam Ltd  
 Old-Sonebhedra (I.P.)

(FOR & BEHALF OF THE CONTRACTOR)  
 In presence of

  
 Director

1   
 AE (NIM)

1   
 Mr. Mahesh Kumar Singh

2 \_\_\_\_\_

2 \_\_\_\_\_

  
 Charak  
 (Date: 12/12/2023)  
 2023/12/12 (12/12/2023)



Tender No. T-130/HPS/ 2024-2024 Agreement No. 76/HPS/2024-25/T-13/23-24

**Name of work:-** Rehabilitation of all Intake Stop Log Gates (excluding painting) at Hydli Obra Power Station, Obra, Sonbhadra.

**SCOPE OF WORK, TECHNICAL AND COMMERCIAL TERMS & CONDITIONS**

- Removal of Stop Log gate from the Stacking Pit.**  
All 12 nos. gate shall be lifted and be placed nearby the stacking pit at the Dam Top then one by one every gate shall be overhauled in the stacking pit. After completion of work all gates shall be arranged in the stacking pit in the same manner.
- Replacement of all type Rubber Seal and damaged Nut & Bolts**  
Removal of vertical Rubber Seal (at Both side) and flat bottom rubber seal with SS plate, SS nut & bolts, Clearing of seal cham and surfacing of seal surface by means of welding and grinding. Fixing of new Medical Knot type (EPDM) Rubber Seal (Vertical seal) as per IS 11855 with replacement of damaged SS Nut and Bolts.
  - Total 322 SS screw type Bolts has to be taken out for opening of Vertical Seals (30 nos. SS screw type bolts in 10 Stop Log Gates & 16 Nos. SS screw type bolts in 02 Stop Log Gates)
  - Length of Vertical Seal per Stop Log for 10 no. similar gate = 5.4 Mtr (at both side)  
So total length of Vertical Seal for 10 Stop Log Gates = 54 Mtr
  - Length of Vertical Seal per Stop Log for 02 no. similar gate = 2.7 Mtr (at both side)  
So total Length of Vertical Seal for 02 Stop Log Gates = 5.4 Mtr.  
Thus total length of vertical seal for 12 no. gates = (54+5.4) 60 Mtr.
- Similarly Bottom Flt (EPDM) rubber seal as per IS 11855 is also replaced with replacement of damaged SS Nut and Bolts.
  - Total 600 SS hexagonal head type Bolts and 48 nos. SS screw type bolts has to be taken out for opening of Flat Bottom Seal.  
(31 Nos. SS bolts and 4 nos. SS screw type bolts in each Stop Log Gate)
  - Length of bottom Seal per Stop Log = 9.13 Mtr.  
So total Length of Bottom Seal = 109.8 mtr.
- Re-strengthening and minor overhauling of Lifting Hooks and gate surface**  
Deposition of material by means of net welding on damaged/corroded portion of every stop log gate and at all lifting links of gate thereafter finishing of surface to re-store original splines. DPT test can also be done at the requirement of Engineer in-charge. Cost of DPT test kit shall be borne by the contractor.

**Technical Specifications For Supply:**

| S.No | Particulars  | Quantity | Minimum Specification Required |
|------|--|----------|--------------------------------|
| 1    | Medical Knot type (EPDM) Rubber Seal (Vertical seal) as per IS 11855 | 60 Mtr   | As per drawing                 |
| 2    | Bottom Flt (EPDM) rubber seal  | 110 Mtr  | As per drawing                 |

Hydli Obra Engineers & Svers (India) Pvt. Ltd.

*K. Singh*  
Director

*[Signature]*  
Executive Engineer  
Hydli Obra Power Station  
U.P. Rajya Vidyut Utpadan Nigam Ltd  
Obra-Sonbhadra (U.P.)

*[Signature]*  
[Stamp]  
[Stamp]

|   |   |          |   |
|---|---|----------|---|
|   | as per IS 11855                                 |          |   |
| 3 | CSK Screw with Hex nut size $3/4" \times 80$ mm | 95 Nos.  | SS 304 size $3/4" \times 80$ mm             |
| 4 | CSK Hex bolt size $M18 \times 70$ mm            | 150 Nos. | SS 304 CSK Hex bolt size $M18 \times 70$ mm |

Design of Rubber Seal fixed in Stop Lash Gates of HOPS, Ohra



Sectional View of Musical Note Type Vertical Rubber Seal



Sectional View of Flat Bottom Rubber Seal

For Hydro Engineers & Divers (India) Pvt. Ltd.

*K. Singh*  
Director

*[Signature]*  
Expanding Engineer  
Hydel Olam Power Station  
U.P. Rajya Vidya Prasthan Noida  
Gora-Sarnal Road (U.P.)

*[Signature]*

Tender No. T-13/HOPB/ 2023-2024 Agreement No. 1\*/HOPB/2024-25/T-13/23-24

Name of the Work:- Rehabilitation of all Intake Stop Lag Gears (excluding painting) at Hydra Odra Power Station, Odra, Sonbhadra.

## TERMS AND CONDITIONS

|    |  |
|----|--|
| 1  | The prices are inclusive of all consumables, labour and transportation charges. The rates quoted by contractor shall include cost of all material, labour, T&P etc required. Figures will not provide any Material and T&P etc. OEM T&P shall be provided to the firm. GST shall be paid/identified as legally applicable.   |
| 2  | Extra material and scrap shall be returned to department, if any (Contractor will hand over the same to junior engineer in charge.) Otherwise cost of same shall be deducted from the contractor's bill.   |
| 3  | The work completion period shall be 03 Months from date of letter issued against work order till the date of shut down of machine given by Engineer in charge.   |
| 4  | 90% running payment shall be made on job completion basis and balance 10% shall be retained as performance guarantee which shall be released after twelve months from successful completion of entire work. In case of 100% running payment, Security money @ 10% of contract value in the form of FDR/DB shall have to be deposited by the contractor and the same shall be released after twelve months from successful completion of entire work. Payment shall be made after fund against the same received from the Head Office Lucknow against the same. |
| 5  | <b>PENALTY</b> - A penalty of 1% per week subject to a maximum of 10% of uncompleted work shall be levied for late completion of work.   |
| 6  | Guarantee period for work done is twelve months from the date of completion of each job. During the guarantee period the contractor will be responsible for any defect or damages. In case the contractor does not attend the defect in time the same will be got repaired through an outside agency and payment will be deducted from the contractor bill or from the security money.   |
| 7  | All material, T&P and skilled / unskilled staff are to be arranged by the contractor at his own cost.  |
| 8  | Cutting, welding, and machining equipments are also to be arranged by the contractor himself at his own cost, if required.   |
| 9  | Transportation of materials will be the responsibility of the contractor. He will be responsible for any damages in materials during transportation.   |
| 10 | All the cartage / loading / unloading shall be of the firm.  |
| 11 | Contractor will have to arrange proper switchboard for electrical connection at his own cost, welding and light cables should be free from defects to avoid any accidents.   |
| 12 | All debris, oil spots and garbage at work site should be cleaned by the contractor firm after completion of work otherwise amount which will be spent on the clearing of same will be deducted from the contractor bill.   |
| 13 | Dismantled parts of the equipment are to be kept in clean place, covered properly and the custody of the parts/equipment from theft pilferage is the responsibility of the contractor.   |
| 14 | All consumables such as cleaning foing agent, hardware, bearing, Rubber packing, O rings, Welding electrodes, Primer, paints, starter contacts, etc. as shown in Annexure-I are to be arranged/provided by the contractor at his own cost. The contractor will hand over the all material required for the annual overhauling of said machines to the concern Junior Engineer as given in list of material.  |
| 15 | Approved quality material shall only be used. Clearance for the same will be given by Junior engineer in charge / Asst. Engineer HOPB, Odra / Engineer in charge HOPB, Odra. All the quality material test report shall be submitted by the firm. After proper satisfaction of work,   |

For Hydro Engineers &amp; Oders (India) Pvt. Ltd.

  
 Director

  
 Executive Engineer  
 Hydri Odra Power Station  
 U.P. Raja Vidyut Pradhan Nigam Ltd  
 Odra-Sonbhadra (U.P.)

|    |  |
|----|--|
|    | Measurement bill submitted by the concern JE and then AE (Concern) will verify the bill  |
| 15 | The contractor will keep proper record of material issued by U.P./V.N.L. any shortage shall be recovered at double the cost.   |
| 17 | The contractor shall comply with all the provisions of the EPF rules, Workmen Compensation Act 1923, Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970 amended from time to time and rules framed there under. The provision of building and other Construction Worker's Regulation of Employment & Condition of Service Act, 1986 amended from time to time and rules framed thereon to be followed. The Deptt. will not be responsible for any compensation of man & material. For any casualty with the contractor's worker at site, the contractor shall be fully responsible for his medical aid and compensation etc. as the case may be. All risk to man and material shall be borne by the contractor. |
| 18 | All the Contractor's workmen shall be covered under the Employees State Insurance Scheme, Med-Claim Policy or any other scheme which may be specified by the Statutory Authorities from time to time.  |
| 19 | First Aid Box shall be kept in the Contractor's site office. The Contractor's site-in-charge and his key supervisors shall be trained in administering first aid, preliminary treatment for electrical shocks, fall from height and burns etc. When an emergency condition exists every supervisor shall ensure: a) All work is stopped at once. b) All equipment is shutdown. c) All men are evacuated to a pre-determined assembly point. d) A roll call is taken and every man is accounted for. e) No one shall be permitted to return to work until notification has been received from a responsible authorized agency that it is safe to do so.   |
| 20 | All standard conditions of form A&B OF U.P./V.N.L. shall be part of the contract.  |
| 21 | The TDC shall be deducted at source according to Govt. rules.  |
| 22 | Any dispute regarding the contract shall be subject to the jurisdiction of court at Sonbhadra or high court at Allahabad only.   |
| 23 | For all delays caused on account of Force Major & departmental negligence the contractor shall not be held responsible and necessary extension of time shall be provided.  |
| 24 | The contractor shall be responsible for the safe custody of the work during repairing and maintenance till the date of handing over to Nigam.  |
| 25 | The Executive Engineer reserves the right to cancel any part or full tender at any stage without assigning any reason thereof.   |
| 26 | Contractor may inspect the site for assigning the works before quoting their rates.  |
| 27 | The contractor will employ adequate skilled manpower. Fitters should be L.T. certificate having adequate experience of similar job. The supervisor of the contractor shall take necessary work permit from AE / JE before taking up any work.  |
| 28 | Special arrangement and other necessary safety arrangement shall have to be done by the contractor at his own cost, if required. Contractor shall be fully responsible for making such mechanical arrangements.  |
| 29 | Rent free store accommodation shall be provided to the contractor during execution of work, if same will available. The electricity charges shall be deducted from running bills @ Rs. of 750/- per month. Use of AC in Rent free store accommodation will not be allowed in any case.   |
| 30 | Individual guardly may vary to any extent but overall value will be restricted to 10%.   |
| 31 | If during inspection, the progress of work is found slow or unsatisfactory quality of work is not found satisfactory by the Engineer of the purchaser, the Engineer of the contract will have full right to terminate the agreement by giving one week notice.   |
| 32 | The contractor will follow the instructions of concern AE & JE against scope of work and the work shall be completed as per norms.   |
| 33 | The Contractor shall furnish an Indemnity Bond against all such items/equipment taken to his workshop for the purpose of overhauling/repair work or testing. The valuation of such items/equipment shall be decided by the Engineer-in-Charge of HOPS obra in consultation with EE, HGC, Pprl.   |
| 34 | The method of evaluation of L1 bidder for awarding the Contract shall be on consolidated grand total offer by the bidders and will be decided by taking into consideration of the total  |

By Hydro Engineer &amp; Divers (P)

*Kishor*  
20/12/12

*Sharma*  
Executive Engineer  
Hydel Obra Power Station  
U.P. Power Corporation Ltd  
U.P. Hydro Electric Nigam Ltd  
Zila-Sonbhadra (U.P.)

(Name Stamp)

गुप्त अधिका (सी/डी/सी/सी)

|    |  |
|----|--|
|    | offered price including Parts(A+B)   |
| 35 | The work of additions, alterations and modifications includes cutting out certain portions or gouging of welds, cutting grinding, fabrication welding, drilling holes specifically for the work, straightening, removal of burrs painting and touch of painting. Additions, alterations and modifications as required either before erection or after erection including any extra work may have to be carried out at site by the contractor at his own cost which will be included in quoted prices.                      |
| 36 | The bidders are requested to make themselves fully conversant with the scope of work seeing working site, technical specification, general terms and conditions as per terms and conditions for the work contract for UPJNL, etc. before submission of the tender and thereafter they should quote their rates in price schedule accordingly so that no ambiguity at later stage arises.   |
| 37 | Extra material required for proper completion of work, Except major supply items as per system that will design, Engineering and manufacturing by firm, shall be arranged/supplied by the contractor at his own cost as a part of contract.  |
| 38 | The Contractor shall strictly abide by the security rules and regulations enforced by the UPJNL Ltd. from time to time. The Contractor shall provide proper identity cards, badges etc. to his employees. The Contractor shall have to provide the name with full address of all his employees/worker/supervisor on his letter duly signed with stamp to the concern representative of UPJNL Ltd. and the contractor shall submit it to CISF before starting of the work to obtain the gate pass of the concerned parties. |

For Hydro Engineer & Design

*Kudrey*  
Director

*[Signature]*  
Executive Engineer  
Hydro Core Project Station  
UP Jalpaiguri Division Region Ltd  
Otra Sankharia (UP)

*[Signature]*  
(Date: 10/11/2024)  
उप निदेशक (हाइड्रो प्रोजेक्ट)

उत्तर प्रदेश जल विद्युत निगम लिमिटेड

U.P. JAL VIDYUT NIGAM LIMITED

A U.P. GOVERNMENT ENTERPRISE

Registered & Corporate office: Jhalil Bhawan Lane, 17<sup>th</sup> Floor, 14, Ashok Marg, Lucknow-226001

संलग्न प्रस्ताव संख्या: अंशक क्रमांक 17/2024-25 का प्रस्ताव संख्या

CIN:U21011UP1985G0007135

OFFICE OF THE  
EXECUTIVE ENGINEER  
MEDAL BARRAGE POWER STATION  
P.O. 22614-20129  
NORTH BANGALORE (U.P.)  
बिहार नगर, 22614-20129



संलग्न  
प्रस्ताव संख्या  
अंशक क्रमांक  
17/2024-25 का प्रस्ताव  
संख्या

Email: [enr@ujnl.com](mailto:enr@ujnl.com)

Date: 07-12-2023

Andhra Hydro Pvt. Ltd.,  
A-243, Mahan Co-operative Industrial Estate,  
Madhura Road, New Delhi (India)

**Subject:** Order for "Upgradation, supply, retrofitting, erection, testing and commissioning of 02 nos. of Governor controllers along with I/Os & IPI in Andhra Hydro make digital governor of machine no.1 and 2 at 3x33 MW Hydel Odra Power Station".

Dear Sir,

In reference to approval received from competent HQ Committee after meeting held on dated 06/12/2023 for seeking possibility to get best business possible rates, an order is hereby placed for "Upgradation, supply, retrofitting, erection, testing and commissioning of 02 nos. of Governor controllers along with I/Os & IPI in Andhra Hydro make digital governor of machine no.1 and 2 at 3x33 MW Hydel Odra Power Station" with following terms and conditions.

**Schedule of Quantities and Price**

| S.No                        | Description   | Quantity | Rate (Rs.) | Total (in Rs.) |
|-----------------------------|---|----------|------------|----------------|
| <b>A SUPPLY PORTION</b>     |   |          |            |                |
| 1                           | Governor Controller along with the I/O card and panel accessories as per annexure   | 2 Nos.   | 21,50,000  | 43,00,000.00   |
| <b>B SERVICE PORTION</b>    |   |          |            |                |
| 2                           | Complete retrofitting, Erection, testing and commissioning of new Governor controller in the existing panel, as per annexure. | 2 Job    | 90,000     | 1,80,000.00    |
| <b>TOTAL(A+B)</b>           |   |          |            | 44,80,000.00   |
| Discount                    |   |          |            | 1.495%         |
| Final Amount after discount |   |          |            | 44,13,024.00   |

Amount:- Rs. Forty-Four Lacs Thirteen Thousand and Twenty Four Only (GST extra)

*(Signature)*  
(Name)  
आमंत्रित (संख्या 17/2024)

### Terms and Conditions

- Scope of Work:** Our scope of work is limited to for Up-gradation, supply, Retrofitting, Creation, Installation, Testing & Commissioning of Two (02) No of Governor Controllers along with I/O's & ISE for VVI & #2 (2 X 13 MW) at Hydel Olin Power Station, UPJVH.
- Price:** The prices are based on FOB basis. The prices are inclusive of all Transportation, Insurance & Exclusive of GST@18% etc. which shall be borne and payable by UPJVH or enter on actual basis as per applicable rates at the time of execution. Any other local taxes, if applicable, shall also be paid even against documentary proof.
- Effectiveness of contract:** The effective date of the contract shall be the latest of the following
  - Placement of firm purchase order by UPJVH
  - Date of acceptance of the same by us in writing.
- Taxes & Duties:** Prices mentioned in "Schedule of Quantity and Price" are inclusive of packing, Forwarding, insurance & freight however above prices are exclusive of GST which shall be charged extra.
- Delivery:** As per agreed terms and conditions, on site delivery period shall be within 7 months from the date of Receipt of PO but it is further requested to provide all material of one machine at least by April-2024.
- Works -**
  - For Retrofitting, Installation, Testing & Commissioning of each Unit Governor Panel will be approx. 9 days/Unit from the date of Handover of the Unit to Amdis.
  - Complete Shutdown of Unit will be required by Amdis.
- Payment Terms:**
  - For Supply: Unit wise 10% of supply portion along with 100% taxes & duties after receipt of material at site and remaining 20% of Supply portion along with 100% taxes & duties after successful commissioning of Unit against I/G.
  - Service-Unit wise 100% of Service portion along with 100% tax/duties after successful commissioning of Unit.
- UPJVH Scope:** UPJVH will provide all its available Tools, Taskers, Skilled/Unskilled Manpower, helper, Cranes etc. on site to the Amdis/Hydel in form of cost required to carry out the work. Guest House Accommodation to Commissioning Engineer shall be provided if available.
- Warranty:** Our overall liability under warranty obligations for the supplies made will be over in 12 months from date of commissioning or 18 months from the date of dispatch of material from our works whichever is earlier. Defect Liability conditions (Warranty) by supplier do not cover for any normal wear and tear of parts, improper operations and/or maintenance, for third party repairs or modifications and defects developed due to misuse or abuse by the client or third parties (not employed by supplier). Any defects during warranty period will be notified within one month or as applicable from the receipt of information of defects / failure. You shall notify all defects in writing to supplier within 5 days of occurrence of defects within the defect liability period.
- Limitation of Liability:** The aggregate liability of the Contractor in this Contract to Owner, whether under the contract, in tort or otherwise including the cost of repairing or replacing defective equipment, shall not exceed 100% of the contract price. Under no circumstances contractor shall be liable for any consequential or indirect damages incurred by Owner, including but not limited to loss of profit or loss of production etc. The exclusions and limitations of liabilities set forth herein shall apply to the contractor's subcontractors and suppliers of every tier. This clause shall prevail over any other clause contained contract.
- Contract:** This contract is concluded by this order. If the Firm likes to conclude the agreement on stamp paper, the contract will be duly signed accordingly and cost of stamp paper, stamp etc shall be borne by the Firm. Your bill in triplicate duly pre-receipt may please be sent direct to this office for payment.

  
 (Date: )  
 2024

12. Other terms and condition: Nigam's form 'A' and 'B' shall be applicable for other terms and conditions.

Please acknowledge the receipt of the order and confirmed acceptance immediately after receipt of order, failing which it shall be presumed that P.O. has been accepted by the firm.

Amount: - as above.

(R. S. Jaiswal)  
Executive Engineer

No./NB / HOPS/ Government/CF as dated:

Copy forwarded to following for information & necessary action:-

- 1- Chief Engineer (O&M), U.P. Jal Vidyut Nigam Ltd., State Bhawan, Lucknow.
- 2- Superintending Engineer, H.G.C., Pipal, Sonbhitam.
- 3- Assistant Engineer(MM), Hydri Olan Power Station.
- 4- Divisional Approver, Hydri Olan Power Station.
- 5- Junior Engineer(MM), Hydri Olan Power Station.

(R. S. Jaiswal)  
Executive Engineer

(R. S. Jaiswal)  
Executive Engineer

204

# U.P. JAL VIDYUT NIGAM LTD.

Agreement No. 35 /R.C.C.M.D. /2023-24

Dated: 30 / 02 /2024

## Agreement Document

For

Laying of iron profile sheet over the Turbine hall roof  
at HOPS Obra, Sonebhadra (U.P)

E-Tender Notice No. 07/R.C.C.M.D./2023-24

CONTRACT VALUE: Rs. 32,87,140.00  
(Goods and Service Tax Extra)

Name of Firm/Contractor & Add. : M/S Ankaleshwar Construction Company,  
128 Brahma Nagar, Fokartaganj, Sonebhadra  
(U.P.)

**EXECUTIVE ENGINEER**  
Rihand Colony Civil Maintenance Division  
U.P. Jal Vidyut Nigam Ltd.  
Pipri (Sonebhadra)

  
(Name Sign)  
एक लेखक (उपरोक्त नाम पर)

  
30/02/24  
RCCMD - Pipri

**ARTICLE-I**

**SCOPE OF WORKS:** The contractor shall perform everything required to be performed and shall provide and furnish all the labour, materials, tools and equipment required to perform and complete, in workman like manner, all the work covered by the contract documents, in strict accordance with the drawings specifications and conditions of this contract.

**ARTICLE-II**

**PAYMENTS:** The Nigam will have sufficient funds in Indian currency for the execution of the work and will pay the contractor in Indian currency for the performance of this contract and in accordance with the provision embodied in the documents made a part of this contract.

**ARTICLE-III**

**TIME OF COMPLETION:** The work to be performed in this contract shall be commenced by the contractor immediately after the receipt of notice to proceed with the work and shall be diligently and complete for handing over to the Engineer-in-charge within Five Months as provided in the conditions of the contract.

**ARTICLE-IV**

**COMPONENTS PART OF THIS CONTRACT:** This contract consists of following component part all of which are as fully part of this contract as if herein set out verbatim or if not attached as if hereto attached

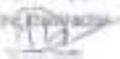
1. Invitation of Tender including envelope if any
2. Specification Comprising General and Special Conditions of Contract, Technical specification.
3. Schedule of quantities and bills.
4. Contractor's Warranty

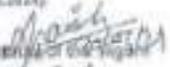
**ARTICLE-V**

Stamp duty on execution of this agreement and any other agreements and bonds as may be required executed in connection with this agreement shall be borne by the contractor.

**IN WITNESS** Where of the parties hereto have hereto set their respective hands and day and year first above written.

Date of start of work: From Date: 11.05.2024 as per L1B No 1489 C.C.M.D. (Water/Case File) Dated: 01.05.2024  
Date Of Completion of Work: 05 Month Month of date of start of work (10.06.2024)

For and on behalf of the Contractor  


For and on behalf of the Nigam  
  
RCCMD-Dept  
Bhubaneswar

Witness:

1. Signature   
Name: Raj Kumar  
Address: RCCMD, Bhubaneswar
2. Signature   
Name: Pooja K. Singh, et al.  
Address: RCCMD Bhubaneswar

  
(Name)  
Bhubaneswar, 05/05/24

  
RCCMD-Dept  
Bhubaneswar

## Participation Sheet

Under the heading "Attendance," check the appropriate box for each participant's attendance at the meeting. Check the appropriate box for each participant's attendance at the meeting. Check the appropriate box for each participant's attendance at the meeting.

2. Number of participants attending the meeting.

Name of participant

Address (Street)

City

State

Zip

Phone

Fax

E-mail

Signature

Date

Initials

Comments

Signature

Date

Initials

Comments

Signature

Date

Initials

Comments

Signature

Date

Initials

Comments

## TOTAL PARTICIPANTS

This document must not be distributed by the author and the name should be removed from any copy of the document, and the author is liable to be notified for 30 days.

Participants are invited to attend the 2016 State and National Conferences.

| NAME # | ADDRESS # | CITY # | STATE # | ZIP # | PHONE # | FAX # | E-MAIL # | SIGNATURE # | DATE # | INITIALS # | COMMENTS # |
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*Handwritten signature*  
 [Signature]



GENERAL TERMS AND CONDITIONS:

01. All the work should be executed as per UPPWD/RUP/TC, specifications.
02. Individual item may vary upto any extent as per requirement for completion of work but overall variation shall be allowed +/- 10% only against approved value.
03. Taxes shall be deducted from the contractor bill as per Govt. rules.
04. Contractor has to follow all the labour laws defined from time to time by Govt. and ensure adequate wage payment to labour as per rule.
05. 1.5% water charges will be deducted against correct consumable items.
06. The execution of work in night shall not be allowed.
07. The contractor or his authorized representative will keep close liaison with A.E. (Civil)/J.E. (Civil) concern for completion of work.
08. All consumable materials, labour and T&P for completion of work will be arranged by Contractor on his own Cost.
09. GST shall be paid upto as per Govt. rules.

L.L. CIVIL

Chaitanya  
 (Civil Engg)  
 9849888888 (9849888888)

11/11/23  
 [Signature]

[Signature]  
 E.A. / E.Engg  
 E.C.C. S.D. - Puri  
 9849888888

209

COMMERCIAL TERMS & CONDITIONS

PRICES:

- a. Rate of items as per Bill of Quantity (B.O.Q.) are quoted by the bidder only in figures in the financial bid. Rate will be quoted on percentage above/below or at par with respect to the estimated rates of the department in the prescribed schedule (i.e. B.O.Q.). If there is a discrepancy between figures & words, the amount in words will prevail.
- b. GST will be applicable extra as per the existing rate over and above the quoted rate by the bidder.
- c. All the other Statutory Taxes/duties, if applicable, will have to be paid and borne by the firm at its prevailing rates.
- d. The unit rates/amount shall be quoted by the bidder actively in Indian Rupees.
- e. Only owner of vehicle shall quote the make and photograph of registration of vehicle with vehicle No. has to be given at the time of Agreement.

VALIDITY OF OFFER:

The prices shall be kept valid for a period of at least 180 days from the date of opening of tender.

PENALTY:

- (i) The contractor shall complete the work within the period as mentioned in the letter of intent. If the work is not completed within completion period then damages for delay (penalty) @ 1/2 % per week of the value of the assigned incomplete work shall be levied and recovered from the bill / interim bill. However the total amount of penalty shall be limited to 10 % (Ten percent) maximum of the total value of assigned work.
  - (ii) In cases, in which the work is delayed due to reasons beyond the control of the contractor, then suitable extension of time shall be allowed / granted, if the contractor applies for the same along with 'No claim certificate' stating that the cost of time shall not form any basis for any claim whatsoever the reasons for delay.
  - (iii) In case contractor is found negligent & the progress is not satisfactory the work shall be got carried out through some other contracting agency on debit bills basis and the entire amount on the account of difference of rates and damages for delay shall be debited to the contractor and the same would be recovered from any of his bill pending at this project or anywhere in U. P. Id Virhat Nigam Limited.
- Contractor will not have any claim, if no work or less work was carried out against the contract.

Period of agreement:

- (i) The agreement shall remain valid for the period of 95 months from the date of start mentioned in the letter of intent, or extension of contract value, whichever is earlier. Contract may be extended further with mutual consent.
  - (ii) The agreement executed with the contractor may be terminated at any time within the period of agreement by giving one week notice, in case the agreement is terminated due to failure on the part of the contractor that the security money would be forfeited.
- The contractor shall not submit the contract to any other firm/party/contractor. The contractor to whom the work would be awarded shall be responsible for all the work of agreement.

Variation:

Variation of any individual item of BOQ may vary upto any extent but over all variation shall be limited to (+/-) 10% of the contract value.

EXTRA ITEMS:

The contractor shall carry out, if asked for by the Engineer, any items of work, though not covered by the schedule of items of the contract. The contractor shall submit his rate quotations supported by detailed analysis work in terms of (7) days in strict time after being asked for, in writing to take up such work. If possible the extra item rates shall be related to accepted base rates. If such suitable accepted rates are not available, the contractor shall be allowed 10% extra profit over the direct cost of materials, labour, tools and plants included in the rates analysis. Cost of materials, tools and plant shall be fully supported with comparative bids for materials and transportation, if any and calculation of tools and plant hire charges shall be based on the report of rates and cost committee, Government of India or any approved method as decided by Engineer. The rate of extra items derived from the above shall be mutually agreed upon by the contractor and the Engineer/purchaser before starting the work. In case of emergency, the Engineer will be within his right to instruct immediate execution of the extra work without waiting for the sanction of the quotation above. In such such joint observation of the cost shall be recorded and the payment shall be made on the basis of quotations or the actual observed cost plus 10% which ever is less.

ARBITRATION:

If any dispute, difference or controversy shall at any time arise between the contractor & Nigam & the Engineer of contract touching the contract, or as to the true construction, meaning and intent of any part or condition of the same, or as to the manner of execution or as to the quality or description of, or payment for the same, or as to the true intent, meaning, interpretation, construction or effect of the clauses of the contract, specifications or drawings

*Signature*  
(Name)

in any of them, or as to any thing to be done, omitted or suffered in pursuance of the contract or specifications, or as to the mode of carrying the contract in its effect or as to the breach or alleged breach of contract or as to any claim or account of such breach or alleged breach or as to obtaining or compensating for the termination of any such breach, or as to any other matter or thing whatsoever connected with or arising out of the contract, and whether before or during the progress or after the completion of the contract, such question, difference or dispute shall be referred for arbitration to the Chairman, UPVNL, or to any other person nominated by him in his behalf and his decision by way of a speaking award in writing shall be final, binding and conclusive. This arbitration shall be deemed to be a reference to arbitration within the meaning of the Indian Arbitration Act 1940 / Arbitration and CONCILIATION Act, 1996 or any statutory modification thereof. The arbitrator may from time to time with consent of the parties enlarge the time for making and publishing the award.

Upon every of any such reference the cost of and incidental to the reference and award respectively shall be in the discretion of the Arbitrator. He shall be competent to determine the amount thereof or direct the same to be paid as between solicitor and client or as between party and party and to direct by whom and to whom and in what manner the same shall be borne and paid.

Work under the contract shall, if reasonably possible, continue during the arbitration proceedings and no payments due or payable by the Nigam shall be withheld on account of such proceedings.

#### 13. COURT OF COMPETENT JURISDICTION

Any action taken or proceedings instituted on any of the terms of this agreement shall be only in the Court of Sonbhadra and High Court of Indore at Allahabad.

#### 14. ENGINEER OF CONTRACT

Executive Engineer, RCMED, Pipri-Sonbhadra shall be the engineer of contract. However after finalisation of the tender, Executive Engineer, RCMED, Pipri-Sonbhadra will be the Engineer of contract for the execution of work in the area under their jurisdiction within timeframe & its quality and there after bill verification.

#### 15. PAYMENT AUTHORITY

Executive Engineer, Electricity Generation Division, Pipri-Sonbhadra shall be the payment authority. All the cheques Demand Draft, Bankers Cheques etc if required to be submitted to UPVNL, by the contractor shall be in favour of Executive Engineer, Electricity Generation Division, Pipri-Sonbhadra and payable at Pipri.

E.E.(Gen)

### Scope of work

Scope of work includes the water proofing work, profile sheet work and minor maintenance work etc. using iron pipe and machinery as per the site condition and disposing all the materials from the work site at their own cost as per the decision of Engineer in charge.

E.E.(Gen)

*Chaitanya*  
 (Date: 15/11/2023)  
 Site Engineer (S/S) of 2023

*Shyama*  
 S.E. Gen  
 R.C.M.E.D. - Pipri  
 Sonbhadra

## SPECIAL CONDITIONS OF CONTRACT

2-1

**PRICES:** The tenderer should quote **FIRM PRICES** for the entire period of agreement.

- PAYMENT:** 60% payment as running payment shall be made to the contractor by Executive Engineer, Electricity Generation Division, Turra, Pipri after successful completion of the work in satisfactory condition and certificate having been issued by JE/EA that work has been satisfactorily completed as per specifications. Balance 40% will be kept as security money and shall be released after 6 months from the date of satisfactory completion of work. Alternatively, if 10% security money for valid period is deposited by the contractor for full value of work, 100% payment as running payment shall be released. All payments shall be made through account payee cheques only, drawn on the banker of the concerned division. Proper receipt of the cheques must be given in the office before the cheque is delivered to the contractor.
- PERFORMANCE GUARANTEE:** Performance guarantee shall be released after 06 months from the date of satisfactory completion of work.
- COMPLETION PERIOD:** The work shall be completed by the contractor within 03 (Three) Months from the date of start.
- DELAY IN COMPLETION OF WORK:** If the contractor fails to complete the work within above stipulated time, the penalty @ 1/2 % per week subject to the maximum 10% shall be deducted on the value of incomplete work. If the contractor fails to complete the work after expiry of time as given in the notice served to contractor, the engineer shall get the work executed from other agency and the excess expenditure as incurred in completion of balance work shall be recovered from the contractor's pending bill against the agreement or anywhere else.
- SUPERVISION OF WORK:** The work shall be carried out under the supervision of Assistant Engineer (C), Civil Sub-Division, Obera, Noida/Meerut.
- VALIDITY OF TENDER:** The quoted rates should be valid for 180 days from the date of opening of tender.
- EARNEST MONEY:** 2% amount of contract value shall be deposited by the contractor as security in deposit through online. The security shall be released after successful completion of work.
- VARIATION:** Individual items may vary upto any extent as per requirements for completion of works but overall variation shall be allowed  $\pm$  10% only against agreement value.
- TOOLS AND PLANT:** All skilled/unskilled labour, T&P required for the completion of work shall be arranged by the contractor at his own cost, risk and responsibility.
- SAFETY AND WORKMANSHIP:** The contractor shall be fully responsible for completion of works as mentioned in the schedule of price and quantity for which all the required, skilled and unskilled labour, including Tools and Plant shall be arranged by the contractor at his own cost. During the execution of above work if any accident to man and material takes place the contractor shall be responsible for the same. Any loss occurred to UPVNL, during the execution of work, the cost of the same shall be recovered from the contractor. If any loss or theft of contractor's own and property occurs during the execution of the work, contractor shall be fully responsible for the same.
- MINOR WORKS FOR COMPLETION OF WORK:** The contractor shall do the minor works which have either not been specifically mentioned in this specification or in the tender submitted and which are essential to complete the work satisfactorily as per technical specification. No extra payment shall be made on account of this. The nature of minor work shall be decided by the Supervisory Engineer.
- SUBSTANDARD WORK:** Any work or part thereof not being found as per technical specification shall not be accepted. The contractor shall have to do the defective part of work again at his own cost.
- THEFT & LOSSES:** In case of any theft and losses, of material duly handed over to the contractor he shall be fully responsible for the same. Necessary FIR shall be lodged by him with the concerned Police Station and in

  
(Name)  
2023/08/08 (07:57 AM)

cost of losses or incurred, not having been recovered by Police, the recovery of same shall be made from the contractor's pending bill and in case the recovery being failed in extent of all claims of the contractor arising out of the same shall be recovered from bills of other contract in the Division Or from other Division of U.P.J.N.S.

5. **RECORDING MEASUREMENT:** As soon as any work is completed, its measurement shall be executed as the bill by JE immediately without waiting for bills to be raised by the contractor. AE will also ensure that JE records all measurements timely and if he does not do so, he will take all actions as deemed fit under intimation to higher officers. In case of any dispute in measurement and the contractor not agreeing with it, he will immediately bring the matter to the notice of AE or the Engineer giving his reasons for incorrect measurement.
6. **VERIFICATION OF BILL:** After the work has been satisfactorily completed as per specification and measurement recorded in the MB, the bill duly verified by JE and AE shall be submitted in division office through a covering letter within 7 days or earlier from the submission of bills. Any delay beyond shall have to be justified by JE & AE in the covering letter. There should not be any substantial gap between the date of verification of bills in MB and its submission in the office of EE.
7. **INCOME TAX:** The Nigam shall deduct income tax as legally applicable from every bill of the contractor as income tax for remittance of the same to income tax office as laid down in Income Tax Law. The contractor shall contact Income Tax authorities for refund if any on this account.
8. **GOODS & SERVICE TAX:** Goods & Service tax as legally applicable shall be payable extra on the part/out of service only against legal documentary evidences.
9. **LABOUR CESS:** The Nigam shall deduct Labour cess as legally applicable from every bill of the contractor.
10. **LEGAL DISPUTE:** Any dispute arising out of the contract shall be under the jurisdiction of local courts and Howrah High Court, Asansol.
11. **EXPERIENCE:** The tenderer must have experience of execution of similar nature of work in U.P.W.D./UPPCL/APPCL/Govt. organization or any other Semi Govt. Organization for which attested copies of such documents should be attached with the offer.
12. The undersigned reserves the right to accept/reject any/all tenders without assigning any reason therefor.
13. Tenders of Black-listed firms shall not be considered in any case.
14. All other terms and conditions shall be governed as per general terms and conditions of the contract form-A.
15. All the work shall be executed as per U.P.W.D./U.P.I.D. specifications for those items whose specifications are not covered as above, specifications fixed by Engineer of contract shall be final.
16. Taxes shall be deducted from the contractor bill as per Govt. rates.
17. Contractors have to follow all the labour laws defined from time to time by Govt. quantum minimum wages payment to labour as per rule.
18. The execution work in night shall not be allowed.
19. 1.5% water charge will be deducted against cement consumed item.
20. The contractor or his authorized representative will keep close liaison with J.E./A.E. (Civil) concern for proper completion of work.

4/11/2011

(Name)  
 per address (with no sign)

J.E. (Civil)  
 KCC/11-1-11  
 Howrah

**HYDEL OBRA POWER STATION, OBRA,  
DISTT-SONEBHADRA**

**AGREEMENT NO. 19 / HOPS/T-04/2025-26 Dated: 16.12.2025**



**FOR THE WORK OF**

**Works of Condition Monitoring (RLA studies) of 37.5 MVA, 11/132KV Generator Transformer of Unit no. 1, 2 & 3 of 3X33 MW Hydel Obra Power Station, Obra, Sonebhadra**

**Name of Firm : M/s Laxmi Associates, 13-15, Sun Enclave, Near Sun City Paradise, Manjalpur, Vadodara-390011(Gujrat)**

**Value of Work : Rs. 19,20,000.00 (Rs. Nineteen Lac Twenty Thousand only) + GST Extra.**

**Date of Start : 60 Days (based on shutdown) from the date of letter issued against work indent as per availability of shutdown given by concern Engineer-in-charge of site, as per LOI No. 878/ HOPS/T-04/2025-26 Dt: 08.12.2025**

**EXECUTIVE ENGINEER  
HYDEL OBRA POWER STATION, OBRA  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD (JAL VIDYUT UNIT),  
DISTT.-SONEBHADRA**

*Laxmi*  
(Name of)  
the address (of the firm)



सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No. : IN DLN000910740071.E  
 Certificate Issued Date : 05-Dec-2025 01:15 PM  
 Account Reference : NAFACC (V) 4781203 DELHI DL-RGD  
 Unique Doc. Reference : SUSA-DLXLT810020037168711846X  
 Purchased by : LAXMI ASSOCIATES  
 Description of Document : Article 3 General Agreement  
 Property Description : Not Applicable  
 Consideration Price (Rs.) : 3  
 (Zero)  
 First Party : LAXMI ASSOCIATES  
 Second Party : U P RAJYA VIDYUT UTPADAN NIGAM LIMITED  
 Stamp Duty Paid By : LAXMI ASSOCIATES  
 Stamp Duty Amount(%) : 100  
 (One Hundred only)

₹ 100



Signature and official stamp of the Executive Engineer

AGREEMENT NO. /S/ /HOPS/11-04/2025-26

Dated: 16.12.2025

|    |                      |  |
|----|----------------------|--|
| 01 | Name of Work         | Works of Condition Monitoring (RLA studies) of 37.5 MVA, 11kV/32kV Generator Transformer of Unit no. 1, 2 & 3 of 3x33 MW Hydral Obra Power Station, Obra Sonbhadra.  |
| 02 | Name of Contractor   | M/s Laxmi Associates, 13-15, Sun Enclave, Near Sun City Paradise, Manjesar, Vadodra-390011(Gujrat)   |
| 03 | Period of Completion | 60 Days (based on shutdown) from the date of letter issued against work intent as per availability of shutdown given by concern Engineer-in-charge of site, as per LOI No. 87W HOPS/11-04/2025-26 Dt: 08.12.2025 |
| 04 | Contract Value       | Rs.16,30,000.00 (Rs. Sixteen Lacs Twenty Thousand Only) Plus GST 18%   |

The agreement made on the 14<sup>th</sup> day of Dec. 2025 between M/s Laxmi Associates, 13-15, Sun Enclave, Near Sun City Paradise, Manjesar, Vadodra-390011(Gujrat) (here in after referred to as the contractor of one part and the Executive Engineer, Hydral Obra Power Station, U.P. Rajya Vidya Utpadan Nigam Ltd., Obra, Sonbhadra (U.P.) (here in after called the purchaser of the other part).

Witness Name

1. The contractor shall be bound to execute the work as per the conditions of the contract and to provide the necessary security to the purchaser of the other part.  
 2. The contractor shall be bound to provide the necessary security to the purchaser of the other part.  
 3. The contractor shall be bound to provide the necessary security to the purchaser of the other part.

Executive Engineer  
 Hydral Obra Power Station  
 U.P. Rajya Vidya Utpadan Nigam Ltd.

U.P. Rajya Vidya Utpadan Nigam Ltd.  
 Obra-2025

Handwritten signature and notes at the bottom of the page.

Whereas the Purchaser is about to get the work of "Works of Condition Monitoring (JLA studies) of 37.5 MVA, 11/33KV Generator Transformer of Unit no. 1, 2 & 3 of 3X33 MW Hydral Obra Power Station, Obra Sosephadra" here in after called the works and for the purpose mentioned or enumerated or referred to in general condition, specification schedule, drawing form

tender, covering letter and schedule of prices which for the purpose of identification has been signed by Sri Sanjeer Kapla S/O D V Kapla behalf of Ms Laxmi Associates, 15-16, Sun Enclave, Near Sun City Paradise, Manjalpur, Vadodra. (The Contractor) and Executive Engineer, HOPS, U.F. Rajya Vidyut Utpadan Nigam Ltd. Obra, Sosephadra (J.P.) (The Engineer of the Purchaser) on behalf of the purchaser all of the which are deemed to form part of this contract as though separately set out herein and are included in the expression contract whenever here in used.

And whereas the purchaser has accepted the tender of the contractor for the provision and execution of the said work for the sum Rs. 19,20,000.00 (Rs. Nineteen Lac Twenty Thousand Only) Plus GST Extra upon terms and condition here in after mentioned.

Now these present witness and other parties here to here by agree and declare as follows that is to say in consideration payment to be made to the contractor by the purchaser as here in after mentioned the contractor shall provide the said plant for the said works and shall do and perform all

Other works and the things of the contract mentioned or described or which are implied there from or there in respectively or may be responsible necessary, for the completion of the said work within and at the time mentioned and in the manner and subject to terms & conditions and stipulated mentioned in the said contract.

And in consideration of the due provisions of completion of said work and the maintenance there of as aforesaid the purchaser will pay to the contractor the said amount of Rs. 19,20,000.00 (Rs. Nineteen Lac Twenty Thousand Only) Plus GST Extra or such time and in such manner as is provided by this contract.

In witness whereof the parties here to have signed this deed here under on the date respectively mentioned against the signature of each.

Signature

Executive Engineer

(FOR &amp; BEHALF OF THE PURCHASER)

In presence of

Obra Sosephadra Station  
U.F. Rajya Vidyut Utpadan Nigam Ltd  
Obra, Sosephadra (J.P.)

1. .....  
(YASHPAL SINGH)

2. .....  
(Signature)

Signature

(FOR &amp; BEHALF OF THE CONTRACTOR)

In presence of

1. .....  
(Signature)

2. .....  
(Signature)

.....  
(Signature)  
Per witness (of the contractor)

Ag. No. 12/14402/1-0-0-12435-26

Bill of Materials, Work of Condition Monitoring (B.C. studies) of 37.5 MVA, 11/33 KV Generating Transformer of Unit No. 1, 2 & 3 of 2X22 MW Hybrid Diesel Power Station, Durgam Cheruvu, Hyderabad.

Contract No: T-44/818/2014-14

Bill Name: M/s Laxmi Associates, 12-02, Sun Endura, Near Con City Paradise, Marjapur, Hyderabad-500110(India)

| Sl. No.              | ITEM # | QUANTITY | UNIT | EST. # | BASIC RATE IN INR | BASIC RATE IN US\$ | TOTAL AMOUNT IN INR                    | TOTAL AMOUNT IN US\$ |
|----------------------|--------|----------|------|--------|-------------------|--------------------|--|----------------------|
| 1                    | 1      | 4        | 5    | 12     | 13                | 54                 | 54                                     |                      |
| 1.01                 | 1      | 3        | 20%  | INR    | 40000.00          | 120000.00          | INR Three Lakh Fifty Thousand Only     |                      |
| 1.02                 | 1      | 1        | Ltr  | INR    | 20000.00          | 90000.00           | INR Ninety Thousand Only               |                      |
| 1.03                 | 1      | 3        | 20%  | INR    | 120000.00         | 360000.00          | INR Three Lakh Sixty Thousand Only     |                      |
| 1.04                 | 1      | 3        | 20%  | INR    | 40000.00          | 120000.00          | INR One Lakh Twenty Thousand Only      |                      |
| Total in Figures     |        |          |      |        |                   | 1520000.00         | INR Fifteen Lakh Twenty Thousand Only  |                      |
| Quoted Rate in Words |        |          |      |        |                   |                    | INR Nineteen Lakh Twenty Thousand Only |                      |



*Sanjay Kulkarni*

*Sanjay Kulkarni*  
Executive Engineer

Hydel Division, Power Station

No. 17, Hyderabad Nagar, Hyd.

Phone: 0471-2511111

*Sanjay Kulkarni*

(Date)

(Signature of Sanjay Kulkarni)

Name of the Work:- Works of Condition Monitoring (RLA studies) of 37.5 MVA, 11/132KV Generator Transformer of Unit no. 1, 2 & 3 of 3X33 MW Hydel Obra Power Station, Obra Sonbhadra

### Scope of Work

RLA of Transformer including engineering analysis as per scope of work mentioned below:-

| S.No. | Description of work   | Qty. |     |
|-------|---|------|-----|
| 1     | (A) The below testing jobs in above said transformers shall include the following tests:<br>1. Capacitance & Tan Delta Test on Transformers.<br>2. Capacitance & Tan Delta Tests on Bushings<br>3. Sweep Frequency Response Analysis.<br>4. Estimation of moisture content in the insulation by recovery voltage measurement (RYM) or Dielectric spectroscopy.<br>5. Electric strength (BDV)<br>6. DC Winding Resistance Measurement.<br>7. Short circuit impedance measurement.<br>8. Measurement of Magnetizing Current.<br>9. Measurement of IR & PI Value.<br>10. Transformer Turns Ratio Measurement.<br>11. Step Voltage Test.<br>12. Detection of Oil Leakages in the System.<br>13. Detection of Blockages in the Cooling Circuit (By Thermo Vision). | 3    | Job |
|       | (B) Tests on Oil samples as per follows (as per IS-1866-2017):<br>1. DGA<br>2. Furan Analysis.<br>3. Sp. Resistance.<br>4. Tan Delta.<br>5. Water Content.<br>6. Acidity.<br>7. Interfacial tension.<br>8. Sediment & sludge analysis.<br>9. Electric strength.<br>10. Flash point.   | 3    | Job |
| 2     | Online Partial Discharge Detection by Acoustic Emission Technique in 37.5 MVA, 11/132 KV Generator Transformer.   | 3    | Job |
| 3     | Thermography measurement, noise measurement and vibration measurement test.   | 3    | Job |

Note:-

- All require Testing Instruments for testing of transformer (TAN DELTA, SFRA, IR, TTR, PD kit etc) shall have to arranged by the contractor at his own cost.
- 415 V, 3 Phase electricity supply and water near job location at fixed point shall be provided by the department free of cost and further distribution shall be carried out as needed by the contractor.
- All the consumables like marica clothes, petrol, CRC/CTC, kerosene oil, transformer oil sampling bottle, LPG, Oxygen, N2 cylinder required for the work shall be arranged by the contractor at his own cost.
- All testing work of the tender except oil testing shall be carried out at site only.
- Contractor will have to arrange the shifting of lifting/pulling tackles, special T&Ps, test set etc from stores to work site and back at his own cost.
- All the works shall be carried out in presence of AE/SE concerned.
- Contractor will have to clear off the site by removing the waste cotton, old clothes etc from site to dustbins of HOPSI, Obra.

Testing team shall be deployed at site for data collection, operation history, logs, post test reports etc.

- Capture RLA test report will be submitted by its OEM in case firm submitted Authorization paper of Siemens/Schneider/CG Power/CPRI.

Note: All the works necessary for completion of work shall be considered included in the above scope of work and will be done by contractor free of cost.



Executive Engineer

Hydel Obra Power Station

U.P. Rajya Vidyut Utpadan Nigam Ltd

Form No. HOPSI/11/P3

*Signature*  
(Name)  
For address (Date & Sign)

Tender No. T-04HOPS/2025-2026

Agreement No. 18/HOPS/T-04/2025-26

**Name of work:-** Works of Condition Monitoring (RLA studies) of 37.5 MVA, 11/132 KV Generator Transformer of Unit no. 1, 2 & 3 of 3X33 MW Hydrel Obra Power Station, Obra Nambhadra.

**TERMS AND CONDITIONS**

|    |  |
|----|--|
| 1  | The prices are inclusive of all consumables, labour, and transportation charges. The rates quoted by contractor shall include cost of all material, labour, T&P etc needed. Nigam will not provide any Material and T&P etc. EOT crane and compressor available shall be provided to the firm. GST shall be paid /deducted as legally applicable.  |
| 2  | EMD may be retained as security.   |
| 3  | Excess material and scrap shall be returned to department, if any (Contractor will hand over the same to junior engineer in charge.) Otherwise cost of same shall be deducted from the contractor's bill.  |
| 4  | The total work completion period shall be 60 Days (based on shutdown) from the date of letter issued against work indent as per availability of shutdown given by concern Engineer-in-charge of site. A separate work indent shall be issued by Engineer in charge as per availability of shutdown.  |
| 5  | <b>Payment:-</b> 90% payment will be made after successful completion of work and balance 10 % will be made after expiry of 12 months from date of successful completion of work. In case of 100% running payment, Security money @ 10% of contract value in the form of FDR/BG shall have to be deposited by the contractor and the same shall be released after twelve months from successful completion of entire work. Payment shall be made after fund against the same received from the Head Office Lucknow against the same. |
| 6  | <b>PENALTY:-</b> A penalty of 5% per week subject to a maximum of 10% of uncompleted work shall be levied for late completion of work.   |
| 7  | Guarantee period for work done is twelve months from the date of completion of each job. During the guarantee period the contractor will be responsible for any defect or damages. In case the contractor does not attend the defect in time the same will be got repaired through an outside agency and payment will be deducted from the contractor bill or from the security money.   |
| 8  | All material, T&P and skilled / unskilled staff are to be arranged by the contractor at his own cost.  |
| 9  | Cutting, welding, and machining equipment are also to be arranged by the contractor himself at his own cost, if required.  |
| 10 | Transportation of materials will be the responsibility of the contractor. He will be responsible for any damages in materials during transportation.   |
| 11 | All the cartage / loading / unloading shall be of the firm.  |
| 12 | Contractor will have to arrange proper switchboard for electrical connection at his own cost, welding and light cables should be free from defects to avoid any accidents.   |
| 13 | All debris, oil spots and garbage at work site should be cleaned by the contractor /firm after completion of work otherwise amount which will be spend on the cleaning of same will be deducted from the contractor bill.  |
| 14 | Dismantled parts of the equipment are to be kept in clean place, covered properly and the custody of the parts/equipment from theft pilferage is the responsibility of the contractor.   |
| 15 | All consumables such as cleaning fixing agent, hardware, bearing, Rubber packing, O rings, welding electrodes, Primer, paints, starter contacts, etc. as shown in Annexure-1 are to be arranged /provided by the contractor at his own cost. The contractor will hand-over the all material required for the annual overhauling of said machines to the concern Junior Engineer, as per list of material.  |
| 16 | Approved quality material shall only be used. Clearance for the same will be given by Junior Engineer in charge / Assistant Engineer HOPS, Obra / Engineer in charge HOPS, Obra. AE (concern) will also be responsible after JE (concern) for Each, and every work done by the contractor, after proper satisfaction of work, measurement bill submitted to the concern JE and after AE (concern) will verify the bill.  |
| 17 | The contractor will keep proper record of material issued by HOPS, Obra. any shortage shall be   |

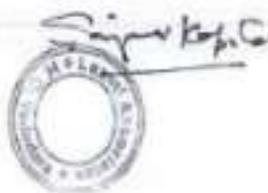
*Handwritten signature*  
 (Name)  
 (Designation)

|    |   |
|----|---|
|    | recovered at double the cost.   |
| 18 | The contractor shall comply with all the provisions of the EPF rules, Workmen Compensation Act 1923, Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1978 amended from time to time and rules framed there under. The provision of building and other Construction Worker's Regulation of Employment & Condition of Service Act, 1996 amended from time to time and rules framed therein to be followed. Department will not be responsible for any compensation of man & material. For any casualty with the contractor's worker at site, the contractor shall be fully responsible for his medical aid and compensation etc. as the case may be. All risk to man and material shall be borne by the contractor.  |
| 19 | <b>Insurance</b> -All the Contractor's workmen shall be covered under the Employees State Insurance Scheme, Mediclaim Policy or any other scheme which may be specified by the Statutory Authorities from time to time.<br>a) The contractor shall arrange, secure and maintain insurance as may be necessary to protect his own interest and the interest of the Nigam against all risks. The risk that are to be covered under the insurance shall include, but not be limited to the loss or damage in transit, theft, pilferage/riot, civil commotion, weather conditions, accidents of all kinds, fire, war risks etc during transportation only.<br>b) Insurance is to be taken for the F.O.R. destination value of the equipment for transit from the manufacturer's works to destination plus 45 days storage thereafter. |
| 20 | First Aid box shall be kept in the Contractor's site office. The Contractor's site in-charge and his key supervisors shall be trained in administering first aid, preliminary treatment for electrical shocks, fall from height and burns etc. When an emergency condition exists, every supervisor shall ensure a) All work is stopped at once. b) All equipment is shutdown. c) All men are evacuated to a pre-determined assembly point. d) A roll call is taken, and every man is accounted for. e) No one shall be permitted to return to work until notification has been received from a responsible authorized agency that it is safe to do so.   |
| 21 | All standard conditions of form 'A&D' OF U.P.R.V.U.N.Ltd. shall be part of the contract.  |
| 22 | The TDS shall be deducted at source according to Govt. rules.   |
| 23 | Any dispute regarding the contract shall be subject to the jurisdiction of court at Sonbhadra high court of Allahabad only.   |
| 24 | For all delays caused on account of Force Majeur & departmental negligence the contractor shall not be held responsible and necessary extension of time shall be provided.  |
| 25 | The contractor shall be responsible for the safe custody of the work during repairing and maintenance till the date of handing over to Nigam.   |
| 26 | The Executive Engineer reserves the right to cancel any part or full tender at any stage without assigning any reason thereof.  |
| 27 | Contractor may inspect the site for assigning the works before quoting their rates.   |
| 28 | The contractor will deploy adequate skilled manpower. Firms should be L.T.I. certificate having adequate experience of similar job. The supervisor of the contractor shall take necessary work permit from AE/ JE before taking up any work.  |
| 29 | Special arrangement and other necessary safety arrangement shall have to be done by the contractor at his own cost, if required, Contractor shall be fully responsible for making such mechanical arrangements.   |
| 30 | Rent free store accommodation shall be provided to the contractor during execution of work, if same will available. The electricity charges shall be deducted from running bills @ Rs. of 792/- per month. Use of AC in Rent free store accommodation will not be allowed in any case.  |
| 31 | Individual quantity may vary to any extent, but overall value will be restricted a 10%.   |
| 32 | If during inspection, the progress of work is found slow or unsatisfactory quality of work is not found satisfactory by the Engineer of the purchaser, the Engineer of the contract will have full right to terminate the agreement by giving one week notice.  |
|    | The contractor will follow the instructions of concerns AE & JE against scope of work and the work shall be completed as per norms.   |
|    | The Contractor shall furnish an Indemnity Bond against all such items as referred to in his workshop for the purpose of overhauling/repair work or testing. The contractor shall such items/equipment shall be decided by the Engineer-in-Charge of HOPS.<br>Hydel O&S Power Co. Ltd.<br>Bhilai, S.B. Nagar, Jharkhand.   |
| 35 | The method of evaluation of L1 bidder for awarding the Contract shall be by consolidated grand  |



(Name) \_\_\_\_\_  
 (Designation) \_\_\_\_\_  
 (Office) \_\_\_\_\_

|    |  |
|----|--|
|    | total offer by the bidders and will be decided by taking into consideration of the total offered price including Parts(A+B).   |
| 36 | The work of additions, alterations and modifications includes cutting out certain portions or gouging of welds, cutting, grinding, fabrication welding, drilling holes, specifically for the work, straightening, removal of bends painting and touch of painting. Additions, alterations and modifications as required either before erection or after erection including any extra work may have to be carried out at site by the contractor at his own cost which will be included in prices.   |
| 37 | The bidders are requested to make themselves fully conversant with the scope of work seeing working site, technical specification, general terms and conditions as per terms and conditions for the work contract for UPRVUNL (Jal Vidyut Unit) etc. before submission of the tender and thereafter they should quote their rates in price schedule accordingly so that no ambiguity at later stage arises.  |
| 38 | Extra material required for proper completion of work, Except Major supply items as per system that will design, Engineering and manufacturing by firm, shall be arranged/supplied by the contractor at his own cost as a part of contract.  |
| 39 | The Contractor shall strictly abide by the security rules and regulations enforced by the UPRVUNL (Jal Vidyut Unit) from time to time. The Contractor shall provide proper identity cards, badges etc., to his employees. The Contractor shall have to provide the name with full address of all his employees/worker/supervisor on his letter duly signed with stamp to the concern representative of UPRVUNL (Jal Vidyut Unit) and the contractor shall submit it to CISF before starting of the work to obtain the gate pass of the concerned person. |
| 40 | Supervision-All the works shall be carried out under the supervision/direction of OEM Engineer which will be arranged by the contractor. The contractor will ensure to arrange manpower for dismantling, erection/commissioning & testing work and all testing equipment shall be arranged by the firm at their own cost.  |



*[Signature]*  
 Executive Engineer  
 Hydral Odra Power Station  
 Odra Vidyut Udyog Nigam Ltd  
 Odra-Sambalpur (O.P.S)

*[Signature]*  
 200 2000 (10/10/2000)

**ANNEXURE-2**

**Design Energy Proof as provided by  
Obra HPS**

  
(Name Sign)  
Date: 11/01/2019 (11/01/2019)

उ०प्र० राज्य विद्युत उत्पादन निगम लि०

(उत्तर प्रदेश सरकार का उपक्रम)

12<sup>वें</sup> तल सक्तिवाहनविभागसबपत्र-220019

14-असतोत मार्ग, लखनऊ।

CIN/U31901/U/P/1988/SCC/007135

OFFICE OF THE  
EXECUTIVE ENGINEER  
HYDEL, OGRA POWER STATION  
P.O.-OGRA-231218  
DISTT. SONBHADRA (U.P.)  
TIN/PM No. 5540282



कार्यालय  
अधिसूचना  
असतोत वन विद्युत  
उत्पादन स्टेशन-231218  
लखनऊ-सोनभद्र

Email: [sonbhadra2318@uppcoco.com](mailto:sonbhadra2318@uppcoco.com), 97706448-252187

दिनांक 29.12.2025

पत्रांक. 572 / व०वि० गृह/ KPH

अधीक्षक अधिसूचना (आविष्कार),  
उ०प्र० वन विद्युत निगम लि०,  
12 तल सक्ति भवन विभाग, 14,  
असतोत मार्ग, लखनऊ।

विषय: ओबरा वन विद्युत गृह के विवादान एनर्जी के सम्बन्ध में।

कृपया अवगत कराना है कि ओबरा वन विद्युत गृह, ओबरा के सम्बन्ध में वांछित सूचना निम्नलिखित है:-

| क्र० सं० | स्थापित क्षमता (मेगा वाट) | एलुमिन विवादान एनर्जी (मि०घू०) |
|----------|---------------------------|--------------------------------|
| 1.       | 3x33 MW                   | 279                            |

कृपया सूचनाार्थ एवं आवश्यक कार्यवाही हेतु।

*(Handwritten Signature)*

(वरिष्ठ. एन. जायसवाल)  
अधीक्षकी अधिसूचना

*(Handwritten Signature)*  
(प्रमुख विद्युत)  
अधीक्षक (असतोत वन विद्युत)

**ANNEXURE-3**

**List of work order and supporting documents for Khara HPS**

1  
Enashah  
(10/10/10)  
1000/1000 (10/10/10)



कार्यालय अधिसूचारी अभियन्ता  
जल विद्युत उत्पादन विभाग,  
330 प्रोजेक्ट राज्य विद्युत उत्पादन निगम लिमिटेड,  
खाता-कार्यालय, जयपुर- 302022

224



CIN-U11901UP0855GCM07125 Email: [rajeev@rajeev.com](mailto:rajeev@rajeev.com)

पत्रांक 1043 / जलविद्युत/ Capital work

दिनांक 31/12/2023

अधिसूचारी अभियन्ता (रजिस्टर्ड),  
330 प्रोजेक्ट राज्य विद्युत उत्पादन निगम लिमिटेड (जल विद्युत विभाग),  
जयपुर, जयपुर (राजस्थान)

संबंधित

विषय- निगम को जल विद्युत गृहों की वित्तीय वर्ष 2024-25 से 2028-29 हेतु मधुवीर टैंकर यॉकशिप को सम्बन्ध में।

सूचना प्रदान की जा रही है कि कार्यालय पत्रांक 109/जलविद्युत(रजिस्टर्ड)/MYT Petition तद्विनियंक 24.12.2023 के अनुसार निम्नलिखित सूचना निम्नानुसार है-

| Works of Capital Budget 2024-25                                    |   |  |                 |
|--|---|--|-----------------|
| Sl. No.  | Name of work  | Issued Agr./LOI/PO                                   | Amount with GST |
| 1.   | Supply of microprocessor based digital generating & excitation system for 24 MW sets of Khana Power House.  | 089/EE(Design) dated 14.10.2022                      | 5,08,35,781.00  |
| 2.   | Supply of numerical relay control protection & monitoring system for generator, GT & UAT of 24MW sets, bus bar & 220KV feeders.                               | 046/EE(Design) dated 06.09.2021                      | 1,20,80,271.00  |
| 3.   | Supply, erection, testing & installation of low CO2 Rank system with all accessories for machines for Khana Power House.                                      | 01/REGD/2024-25 dated 13.05.2024                     | 70,56,850.46    |
| 4.   | Capital overhauling of Inake Gate no. 01 for Khana Power House.   | 35/REGD/2023-24 dated 18.03.2024                     | 36,35,864.56    |
| work approved in previous Capital Budget but carried on in 2025-26 |   |  |                 |
| 5.   | Capital overhauling of Inake Gate no. 02 for Khana Power House.   | LOI No. 974/REGD/2025-26 dated 11.12.2023            | 31,65,378.00    |
| 6.   | Installation of numerical relay control protection & monitoring system for generator, GT & UAT of 24MW sets, bus bar & 220KV feeders.                         | 046/EE(Design) dated 06.09.2021                      | 12,95,700.20    |
| 7.   | Installation, Testing & Commissioning of microprocessor based digital generating & excitation system for 24 MW sets of Khana Power House.                     | 089/EE(Design) dated 14.10.2022                      | 38,26,198.38    |
| Works of Capital Budget 2025-26                                    |   |  |                 |
| 1.   | Procurement of 129 standard saw 2nd wood species (17 cm x 15 cm x 240 cm) along with books at its both ends for sealing of Rye-Pan Gate of Khana Power House. | LOI No. 1942/REGD/7-32/REGD/2025-26 dated 21.12.2023 | 35,96,431.18    |
| 2.   | Major Overhauling and Repairing of Rye-Pan Gate No. 02 of Khana Power House.  | 11/REGD/2025-26 Dated 27.11.2023                     | 83,65,824.48    |

संलग्नक- एकसेपरि।

  
(विनोद मान प्रसाद)  
अधिसूचारी अभियन्ता

पत्रांक / जलविद्युत / तद्विनियंक / 12 / 2023

प्रतिलिपि निम्नलिखित को सूचनाई एवं आवश्यक कार्रवाई हेतु प्रेषित -

1. मुख्य अभियन्ता (रजिस्टर्ड एवं अनुसूचित), 330 प्रोजेक्ट राज्य विद्युत उत्पादन निगम लिमिटेड (जल विद्युत विभाग), जयपुर।
2. अधिसूचारी अभियन्ता, जल विद्युत उत्पादन विभाग, खाता - कार्यालय, जयपुर।

  
(विनोद मान प्रसाद)  
अधिसूचारी अभियन्ता

(विनोद मान प्रसाद)  
अधिसूचारी अभियन्ता



सत्यमेव जयते

INDIA NON JUDICIAL

Government of Uttar Pradesh



225

e-Stamp

|                           |   |
|---------------------------|---|
| Certificate No.           | : IN-UP4576327192001U                               |
| Certificate Issued Date   | : 18-JUL-2022 03:05 PM                              |
| Account Reference         | : NEWMPACC (SVZ) up14479904/ LUCKNOW SADARY UP LKN  |
| Unique Doc. Reference     | : SUSEN-UPUP144799049000009147674U                  |
| Purchased by              | : ABB INDIA LIMITED BANGALORE                       |
| Description of Document   | : Article 5 Agreement or Memorandum of an agreement |
| Property Description      | : Not Applicable                                    |
| Consideration Price (Rs.) | : Not Applicable                                    |
| First Party               | : ABB INDIA LIMITED BANGALORE                       |
| Second Party              | : UTTAR PRADESH JAL VIDYUT NIGAM LTD LUCKNOW        |
| Stamp Duty Paid By        | : ABB INDIA LIMITED BANGALORE                       |
| Stamp Duty Amount(Rs.)    | : 100<br>(One Hundred only)                         |



*Handwritten signature and date: 18/07/2022*

**AGREEMENT**

THIS Agreement made on the 18<sup>th</sup> day of July, 2022 between M/s ABB India Ltd., Plot No. 5 & 6, 2<sup>nd</sup> Stage Peenya, Industrial Area IV Peenya, Bengaluru-560058 (Karnataka) (hereinafter referred to "Contractor") of the one part and the U.P. Jal Vidyut Nigam Ltd. (hereinafter called the Purchaser) of the other part.

WHEREAS the Contractor is about to provide Reverse Engineering, Design, Engineering, Manufacturing, Supply, Erection/ Retrofitting, Testing & Commissioning of

*Handwritten notes: copy to ABE (2022), Date 18/07/22, and a signature.*

*Handwritten signature.*

Microprocessor based, Digital Excitation System & Microprocessor based Digital Governing System for 3x24 MW Units of Khara hydro project along with including dismantling & shifting of existing systems from respective units at Khara Hydro Electric Project, District Saharanpur (U.P.) as per technical specifications against the Purchase Order No. **CE 7 / EE (Design) A-51 (KHARA-SEW/Gov.)** (hereinafter called the works) and for the purpose requires the plant & machinery mentioned, enumerated or referred to in certain General Conditions, Specifications, Schedules, Drawings, Form of Tender, Covering letter and Schedule of Prices which for the purpose of identification have been signed by **Mr. Deepak Kapoor (Assistant Vice President)** on behalf of "M/s AHB India Ltd., Plot No. 5 & 6, 2<sup>nd</sup> Stage Periya, Industrial Area IV Periya, Bengaluru-560058 (Karnataka)" (the Contractor) and **Er. Manojit Singh, Executive Engineer (Design)** (the Engineer of the Nigam) on behalf of the Purchaser and all of which are deemed to form part of this contract as though separately set out herein and are included in the expression of contract wherever herein used.

AND whereas the Nigam has accepted the tender of the contractor for Reverse Engineering, Design, Engineering, Manufacturing, Supply, Erection/Retrofitting, Testing & Commissioning of Microprocessor based, Digital Excitation System & Microprocessor based Digital Governing System for 3x24 MW Units of Khara hydro project along with including dismantling & shifting of existing systems from respective units at Khara Hydro Electric Project, District Saharanpur (U.P.) as per technical specifications for the sum of **Rs. 4,63,22,016.00 (Rupees Four Crores, Sixty Three Lacs, Twenty Two Thousand & Sixteen only) + GST** extra as legally applicable, upon the terms and subject to the conditions hereinafter mentioned.

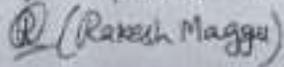
Now THESE PRESENT WITNESS and the parties hereto hereby agree and declare as follows, that is to say, in consideration of the payment to be made to the contractor by the Purchaser as hereinafter mentioned, the contractor shall duly provide the plant for the said works and shall do and perform all other works and things in the contract mentioned or described or which are implied therefrom or therein respectively or may be reasonably necessary for the completion of the said works within and at the times and in the manner and subject to the terms, conditions and stipulations mentioned in the said contract.

AND in consideration of the aforesaid provision, Supply, Erection/ Retrofitting, Testing & Commissioning and completion of the said work and Performance Guarantee for 36 months thereon as aforesaid the purchaser will pay to the contractor the said sum to be determined on the basis of the rates given in contract or such other sums as may become payable to the contractor under the provisions of this contract, such payment to be made at such time and in such manner as is provided by the contract.

IN WITNESS WHEREOF the parties hereto have signed this deed hereunder on the date respectively mentioned against the signatures of each.

(for and on behalf of the Purchaser)  
In the presence of

WITNESS -

1.  (Rakesh Maggu) (Contractor)
2.  (Rakesh Maggu)

(Contractor)  
In the presence of

WITNESS -

1.  (Manojit Singh) (Nigam)
2.  (Manojit Singh)

Save Energy for Benefit of Self and Nation

Corporate Office :  
State Storage Emps., 12<sup>th</sup> Floor,  
14, Ashok Marg, Lucknow.  
Phone (PBX) : 2266971, 2267111, 2267112 (Fax) 2261401  
Fax : 2267902, 2266306



संस्था कार्यालय :  
राज्य भंडारण कर्मियों, 12<sup>वां</sup> मंजूर,  
14-अशोक मार्ग, लखनऊ।  
फोन (PBX) : 2266971, 2267111, 2267112 (फैक्स) 2261401  
फैक्स : 2267902, 2266306

No.: /EE(Design)/A-51(Khara-SES/Gov.)

Dated: 30.07.2022.

SPEED POST

M/s ABB India Ltd.,  
Registered Office: Plot No. 5 & 6,  
2<sup>nd</sup> Stage Peenya, Industrial Area IV Peenya,  
Bengaluru-560058 (Karnataka), India

e-mail: [robi.asthana@in.abb.com](mailto:robi.asthana@in.abb.com)

**Sub:** Order for "Supply, Erection/Retrofitting, Testing & Commissioning of Microprocessor based, Digital Excitation System & Microprocessor based Digital Governing System for 3x24 MW Units of Khara hydro project along with dismantling & shifting of existing systems from respective units at Khara Hydro Electric Project, District Saharanpur (U.P.) against Tender No. 05/EE(Design)/2021-22".

**Ref:** Your Offer No. 2819336 dated 12.04.2022.  
UPIVNL's LOI No. 581/EE(Design)/K-3(Khara-HEP) dated 05.07.2022.

Dear Sirs,

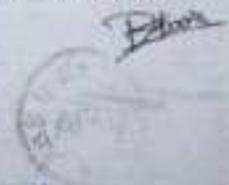
In reference to your e-bid No. 2819336 dated 12.04.2022 and Nigam's L.O.I. No. 581/EE(Design)/K-3(Khara-HEP) dated 05.07.2022 an order is hereby placed for "Supply, Erection/Retrofitting, Testing & Commissioning of Microprocessor based, Digital Excitation System & Microprocessor based Digital Governing System for 3x24 MW Units of Khara hydro project along with dismantling & shifting of existing systems from respective units at Khara Hydro Electric Project, District Saharanpur (U.P.) on the terms & conditions as stipulated below -

**1.0 SCOPE :**

The scope of this order covers Reverse Engineering, Design, Engineering, Manufacturing, Supply, Erection/Retrofitting, Testing & Commissioning of Microprocessor based, Digital Excitation System & Microprocessor based Digital Governing System for 3x24 MW Units of Khara hydro project along with including dismantling & shifting of existing systems from respective units at Khara Hydro Electric Project, District Saharanpur (U.P.) conforming to technical specifications annexed hereto, as per terms & conditions, schedule of Quantities and Prices detailed ahead.

संस्था प्रमुख (निदेशक)  
राज्य विद्युत निगम लि.  
लखनऊ

*Handwritten signature*  
Date: 30.07.2022  
30.07.2022 (30.07.2022)



## 2.0 SCHEDULE OF QUANTITIES &amp; PRICES:

| S. No.  | Item  | Qty.  | Unit Ex-works Price | Unit Packing & Forwarding Charges | Sub-governed selling freight charges upto 10% destination | Over-governed selling freight insurance & 45 days storage insurance thereafter charges | Unit FIRM Subsidize price excluding GST | Total FIRM Subsidize price excluding GST |
|---|---|-------|---------------------|-----------------------------------|---|--|---|--|
|   |   |       | (Rs.)               | (Rs.)                             | (Rs.)   | (Rs.)  | (Rs.)                                   | (Rs.)                                    |
| (A)   | Microprocessor based Digital Excitation System:                         |       |                     |                                   |   |  |   |  |
| 1.  | Supply of Microprocessor based Digital Excitation System                | 1 No. | 5165873.00          | 10702.00                          | 56541.00  | 22387.00   | 9265901.00                              | 27796589.00                              |
| 2.  | Erection, Testing & Commissioning of aforesaid Static Excitation system | 1 Job | 697481.00           | NA                                | NA  | NA   | 697483.00                               | 2092309.00                               |
| Total (Rs.):  |   |       |                     |                                   |   |  |   | 2,98,88,718.00                           |
| (B)   | Microprocessor based Digital Governing System:                          |       |                     |                                   |   |  |   |  |
| 1.  | Supply of Microprocessor based Digital Electronic governing system      | 1 No. | 5039544.00          | 5884.00                           | 11087.00  | 17807.00   | 5054322.00                              | 15282966.00                              |
| 2.  | Erection, Testing & Commissioning of aforesaid Governing system         | 1 Job | 383446.00           | NA                                | NA  | NA   | 383444.00                               | 1130132.00                               |
| Total (Rs.):  |   |       |                     |                                   |   |  |   | 1,64,33,298.00                           |
| Grand Total (Rs.):  |   |       |                     |                                   |   |  |   | 4,63,22,016.00                           |
| Total On words : Rupees Four Crores Sixty Three Lacs Twenty Two Thousand Sixteen only |   |       |                     |                                   |   |  |   |  |

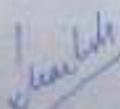
GST extra as legally applicable as per rate

3.0 TERMS & CONDITIONS :-

- Nature of Price : Ex-works Prices are FIRM for all supply items. The prices of 'Packing & Forwarding Charges', 'Freight & Insurance' shall also remain FIRM and FIRM in all respect.
- G.S.T. : G.S.T. shall be paid extra at the time of actual supplies as legally applicable. A copy of relevant document showing rate of GST will be furnished by the contractor to the consignee.
- Security Deposit : Security Deposit @ 2% of the total order value shall be submitted by the firm within 30 days of placement of LOI or at the time of signing of agreement whichever is earlier.

  
 M. M. M.  
 General Manager (Supply)  
 2012 and 18/2/2018  
 2018

2

  
 M. M. M.  
 General Manager (Supply)

### 3.4 Delivery & Work Schedule :

- Equipments, complete in all respects shall be supplied within 9 months from the 7<sup>th</sup> day of placement of LOI. Time of 03 months for work of erection, Testing & Commissioning of equipments including dismantling and shifting of existing system which is to be reckoned from the date of issue of Shutdown of respective unit (Subject to availability of shutdown).
- It is desired that firm has to deliver all equipments with required accessories in one go, so that complete work of unit(s) can be taken up thereafter without any hindrance.
- The period of erection/ retrofiting, testing and commissioning for one unit shall also include dismantling of existing system.
- The installation of equipments for the second and third units shall be planned in such a way that after completion of work for one unit, next unit shall be taken up as per available shut down.

3.5 Performance Guarantee : 10% Performance Bank Guarantee of total order value, valid for 24 months from the actual date of commissioning or 36 months from the date of receipt of material at site shall be submitted by the firm.

### 4.0 TERMS OF PAYMENT :

4.1 Supply Portion: Payment against respective unit wise supplies as per BOQ (2 separate heads i.e. Digital SES and Digital governing system) shall be made through running payment. 80% payment against supply of respective unit wise material shall be made after receipt and check of the same in good condition at the destination site and balance 10% payment of respective supply portion on satisfactory completion of its subsequent erection, testing & commissioning. Remaining 10% payment will be made after expiry of 24 months from the date of commissioning of the equipments or 36 months from the date of receipt of the materials at site.

OR

100% payment of respective unit wise supply portion as per BOQ shall be made after the receipt of the same in good condition and its subsequent erection, testing & commissioning at the destination site on submission of 10% Performance Bank Guarantee, valid for 24 months from actual date of commissioning or 36 months from the date of receipt of the materials at site.

4.2 Work Portion:

90% payment of work portion for unit wise work (2 separate heads i.e. Digital SES and Digital governing system) will be made after completion of satisfactory work through running payment and balance 10% payment will be made after expiry of 24 months.

OR

*[Handwritten signature]*  
 Date: 10/07/2019  
 00478

*[Handwritten signature]*  
 3  
 2019/001/01/001

100% payment of work portion for unit wise work (2 separate bids i.e. Digital SES and Digital governing system) shall be made after completion of satisfactory work through running payment against submission of 10% Performance Bank Guarantee, which shall only be released after expiry of 24 months.

**5.0 DRAWINGS & GUARANTEED TECHNICAL PARTICULARS OF THE EQUIPMENTS TO BE SUPPLIED :**

The drawings, guaranteed technical particulars of the equipments to be supplied under this purchase order shall be submitted and get approved by UPJVN. The equipments shall be complete with all parts that are necessary or usual for the effective operation.

**6.0 DELIVERY :**

6.1 Equipments complete in all respect shall be supplied within 09 months. The duration of supply time shall be reckoned from the 7<sup>th</sup> day of placement of LOI. The complete supply shall be deemed to be executed when last component as per BOQ is supplied. Delivery of spares has to be executed within 09 months time from the 7<sup>th</sup> day of placement of LOI. Time of 03 months for work of erection, Testing & Commissioning of equipments including dismantling and shifting of existing system (SES and Governing system) on each unit to be reckoned from the date of issue of Shutdown of respective unit.

6.2 Date of despatch documents (B/R) shall be deemed to be the date of delivery, but for the despatches against this P.O. made by road transport, the date of delivery shall be taken as the date on which the material has been delivered to the purchaser at destination.

6.3 For despatches by road, requisite form/s-way bill shall be arranged by the contractor.

6.4 The delivery shall be effected in serviceable lots/bets of the material. In case of part despatch, the delivery shall be deemed to have been completed when last part/component of the material has been delivered.

**7.0 CONSIGNEE AND DESPATCH DETAILS :**

7.1 Material shall be despatched from manufacturer's/contractor's works to destination Khana HEP in Distt. Saharanpur (U.P.).

7.2 Executive Engineer, Electricity Generation Division, U.P. Jal Vidyut Nigam Ltd., Khana Hydro Electric Power Station, Distt. Saharanpur (U.P.) shall be the consignee. Bankers are Punjab National Bank, Badlihatnag, Khana, Distt. Saharanpur.

**8.0 PRICE REDUCTION :**

8.1 In the event of delivery of equipment/material beyond contractual delivery period, the contractor shall raise the bills (s) for the same only after allowing for due price reduction as per clause no. 22 of General Conditions of Contract Form 'A' as annexed.

For P.O. No. 10/2011-12/1000  
 100% payment against submission of 10% performance bank guarantee  
 after 24 months from the  
 start of

4

*Signature*  
 (Name)  
 100% payment against submission of 10% performance bank guarantee

*Signature*

**9.0 GUARANTEES :**

**9.1 SECURITY DEPOSIT :**

The firm shall submit within 10 days of placement of LOI or at the time of signing of agreement, whichever is earlier a security deposit for Rs. 9,26,440.00 @ 2% of the total value of this Purchase Order in the form of Bank Guarantee from a nationalised or scheduled bank in the proforma appended herewith on Non-Judicial Stamp paper for Rs. 100.00 (Rupees One hundred only) or as per statutory requirement for faithful performance of this order/agreement. This security deposit shall remain valid for the period till the supply and work are completed as per provisions of this order. In case of delay in delivery/ execution of works the validity shall be extended suitably.

Unless the security deposit, as above is submitted to the consignee the supplies shall not be acceptable.

**9.2 PERFORMANCE BANK GUARANTEE :**

The firm shall furnish a bank guarantee, from Nationalised or Scheduled Bank in the prescribed proforma appended herewith for the value of 10% of the total value of this Purchase Order amounting to Rs. 4,63,22,516.00 on non-judicial stamp paper of Rs. 100.00 (Rupees One hundred only) as a guarantee towards the actual and faithful performance of the equipment/ material being supplied in accordance with the guaranteed technical particulars and drawings. The guarantee shall be valid for 24 months from the actual date of commissioning of the equipment or 36 months from the date of receipt of equipment at site (whichever is earlier).

**10.0 INSPECTION AND TESTING :**

The purchaser shall have the right to witness any type routine and acceptance test as per provisions of IS and/or relevant I.E.C. (latest amendment), which shall be conducted at the firm's expense at their works or any other reputed/recognised place of test. The Purchaser shall be given inspection call at least 15 days in advance to witness the tests. Witnessing of such test or their approval would not relieve the supplier of their responsibility to supply the equipment/material in conformity with the guaranteed technical particulars and other technical features mentioned herein.

**11.0 COURT OF COMPETENT JURISDICTION :**

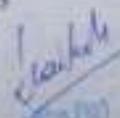
All dispute arising out of and touching or relating to the subject matter of order/agreement shall be subject to the jurisdiction of local courts of Lucknow and High Court Bench of Judicature at Lucknow only.

**12.0 COMPLIANCE WITH REGULATIONS :**

All material/equipment to be supplied under this order/agreement shall comply in all respect with the requirements of IS/IEC or any current code at the time of order/delivery wherever applicable.

The order shall be governed by the General Conditions of supply & execution of works Form 'A', General requirement of specifications, technical specifications enclosed herewith except for any deviation mentioned specifically in the main order.

  
M. D. Singh  
General Manager  
Lucknow

  
P. K. Singh  
General Manager  
Lucknow

In case of any ambiguity & inconsistency, in Form-'A' & General Requirement of Specification, latter shall prevail. No deviation in the technical specification, technical particulars will be allowed unless and until the deviation is approved by the U.P. Jal Vidut Nigam Ltd., Lucknow.

**13.0 NOTICE TO THE CONTRACTOR :**

Any notice to be given to the contractor, if the purchaser thinks, shall be sent by registered post at the address given below :-

M/s ABB India Ltd.,  
Registered Office: Plot No. 3 & 6,  
2<sup>nd</sup> Stage Pretnya, Industrial Area IV Pretnya,  
Bengaluru-560058 (Karnataka), India

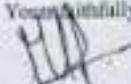
**14.0 SIGNING OF THE ORDER :**

Firm shall, in token of having accepted this order, sign on each and every page, annexures, appendices and drawings if any attached hereto, alongwith official seal affixed below his signature, so that it may form a formal and legal document for all purposes.

**Enclosures :**

- A. LOI No. 581/EE(Design)/C-3(Khara-HEP) dated 05.07.2022
- B. General requirement of specifications
- C. Form 'A'
- D. Form of Performance BG and security deposit
- E. Technical specifications chapter
- F. Pre-bid Minutes of Meeting dated 15.12.2021

Yours faithfully,



(Manmeet Singh)

Executive Engineer (Design)

उपनिवेश (डिजाइन)  
जल विद्युत निगम लि.  
लखनऊ

Order accepted and signed on its each and every page, annexures, appendices and drawings attached hereto of this Purchase Order of U.P. J.V.N.L.

Place : Lucknow  
Dated : 14/01/2022

For and on behalf of the Contractor

Name : Deepak Mishra  
Designation : Asst Vice President  
Date : 14/01/2022



Handwritten signature of Deepak Mishra

Asst Vice President (Design)

No. 689 /EE(Design)/A-51(Khara-SES/Gov./ of date : 14/10/2022

Copy forwarded to the following for information & necessary action :-

1. P.A. to Managing Director, U.P.JVNL, Shakti Bhawan, Lucknow.
2. Director (Technical), U.P.JVNL, Shakti Bhawan, Lucknow
3. Director (Finance), U.P.JVNL, Shakti Bhawan, Lucknow
4. Chief Engineer (M.P.S./G&M), U.P.JVNL, Shakti Bhawan, Lucknow.
5. Superintending Engineer, H.G.C., U.P.JVNL, Badshahbagh, Khara (Sahasarpur).
6. Superintending Engineer (Design), U.P.JVNL, Shakti Bhawan, Lucknow.
- ✓ Executive Engineer, EGD, U.P.JVNL, Badshahbagh, Khara (Sahasarpur).



(Manmeet Singh)  
Executive Engineer (Design)

7

*Manmeet Singh*  
(Signature)  
Executive Engineer (Design)



mentioned, enumerated or referred to in certain General Conditions, Specifications, Schedules, Drawings, Form of Tender, Covering letter and Schedule of Prices which for the purpose of identification have been signed by Mr. Vaidhyanath Rathore (Sr. Manager - Sales & Marketing) on behalf of "M/s Andritz Hydro Pvt. Ltd., D-17, MPAKVN, Industrial Area, Mandihood, Dist. Raigarh-462048, Near Bhopal (M.P.)" (the Contractor) and Mr. Manmurt Singh, Executive Engineer (Design) (the Engineer of the Nigam) on behalf of the Purchaser and all of which are deemed to form part of this contract as though separately set out herein and are included in the expression of contract wherever herein used.

AND whereas the Nigam has accepted the tender of the contractor for Reverse Engineering, Design, Engineering, Manufacturing, Supply, Erection/ Retrofitting, Testing & Commissioning of Computerized Control Numerical Protection & Monitoring System equipped with numerical relays for Generator, GT, UAT, Feeders & Bus-bar (including replacement of existing UCB relay panels with microprocessor based auto-sequencer panels), for 24 MW Unit no. 1, 2 & 3 of Khari hydro project alongwith retrofitting of annunciation system including dismantling & shifting of existing systems from respective units at Khari Hydro Electric Project (24X3 MW), District Saharanpur (U.P.) as per technical specifications for the sum of **Rs. 1,52,33,879.00 (Rupee One Crore, Fifty Two Lacs, Thirty Three Thousand, Eight Hundred Seventy Nine only) + GST extra as legally applicable**, upon the terms and subject to the conditions hereinafter mentioned.

Now THESE PRESENT WITNESS and the parties hereto hereby agree and declare as follows, that it is to say, in consideration of the payment to be made to the contractor by the Purchaser as hereinafter mentioned, the contractor shall duly provide the plant for the said works and shall do and perform all other works and things in the contract mentioned or described or which are implied therefrom or therein respectively or may be reasonably necessary for the completion of the said works within and at the times and in the manner and subject to the terms, conditions and stipulations mentioned in the said contract.

AND in consideration of the due provision, Supply, Erection/ Retrofitting, Testing & Commissioning and completion of the said work and Performance Guarantee for 36 months thereof as aforesaid the purchaser will pay to the contractor the said sum to be determined on the basis of the rates given in contract or such other sums as may become payable to the contractor under the provisions of this contract, such payment to be made at such time and in such manner as is provided by the contract.

IN WITNESS WHEREOF the parties hereto have signed this deed hereunder on the date respectively mentioned against the signature of each.

14/4/2022  
श्री अशोक मजगा  
उ. प्र. विद्युत निगम लि.  
अवकाश:

(for and on behalf of the Purchaser)

WITNESS-  
1. श्री (Krishna Sharma)  
2. श्री (Rajesh Mugga)



(Contractor) Vaidhyanath Rathore  
In the presence of

WITNESS-  
1. श्री (Rajesh Mugga)  
2. श्री (Rajesh Mugga) 2022

Manmurt Singh  
Executive Engineer  
for Andritz Hydro Pvt. Ltd.

# उत्तर प्रदेश जल विद्युत निगम लिमिटेड UTTAR PRADESH JAL VIDYUT NIGAM LIMITED (A.P. Govt. Enterprise)

Service Energy for Benefit of Self and Nation

**Corporate Office :**

State House, 4th Floor,  
11, Ashok Road, Lucknow  
Phone: (0522) 226447, 226448, 226732, 226733, 226734, 226735  
Fax : 226736, 226737



**अधीनस्थ कार्यालय :**

अधीनस्थ कार्यालय, 44th floor,  
11-अशोक रोड, लखनऊ  
फोन : (0522) 226447, 226448, 226732, 226733, 226734, 226735  
फैक्स : 226736, 226737

No.: **FE(Design)/A-50(Khara-Prop)** Dated: **09.07.2022.**

**SPEED POST**

**M/s Andritz Hydro Pvt. Ltd.,**  
D-17, MPAKYN, Industrial Area,  
Mandlaup, Distt. -Kannauj-206206  
**Near Bhopal (M.P.), India.**

**e-mail:** [contacthydro.in@andritz.com](mailto:contacthydro.in@andritz.com)  
[sabkav.sathore@andritz.com](mailto:sabkav.sathore@andritz.com)

**Sub:** Order for "Supply, Erection/Refurbishing, Testing & Commissioning of Computerised Control Numerical Protection & monitoring system for 3x24 MW Units of Khara Hydro project along with Refurbishing of Annunciation System including dismantling & shifting of existing systems from respective units at Khara Hydro Electric Project, District Saharanpur (U.P.) against Tender No. 05/EED/Design/2021-22."

**Ref:** Your Offer No. B/SR/UPVNL/KHARA/PID/4/22/01 (technical bid) dated 07.04.2021.  
UPVNL's LOI No. 582/EED/Design/K-3/Khara-HEP) dated 05.07.2022.

**Dear Sirs,**

In reference to your Offer No. B/SR/UPVNL/KHARA/PID/4/22/01 (technical bid) dated 07.04.2021 and Nigam's L.O.I. No. 582/FE(Design)/K-3(Khara-HEP) dated 05.07.2022 an order is hereby placed for "Supply, Erection/Refurbishing, Testing & Commissioning of Computerised Control Numerical Protection & Monitoring System for 3x24 MW Units of Khara Hydro project along with Refurbishing of Annunciation System, including dismantling & shifting of existing systems from respective units at Khara Hydro Electric Project, District Saharanpur (U.P.) on the terms & conditions as stipulated below -

**1.0 SCOPE:**

The scope of this order covers Reverse Engineering, Design, Engineering, Manufacturing, Supply, Erection/Refurbishing, Testing & Commissioning of Computerized Control Numerical Protection & Monitoring System equipped with numerical relays for Generator, GT, UAT, Feeders & Bus-bar (including replacement of existing PCB relay panels with microprocessor based auto-recloser panels); for 24 MW Unit no. 1, 2 & 3 of Khara Hydro project along with refurbishing of annunciation system including dismantling & shifting of existing systems from respective units at Khara Hydro Electric Project (3x24 MW), District Saharanpur (U.P.) conforming to technical specifications annexed hereto as per rates, terms & conditions, schedule of quantity & prices detailed above:-

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31/12/22

*[Handwritten signature]*  
अधीनस्थ अधिकारी (निर्माण)  
UPVNL, New Delhi



*[Handwritten signature]*  
अधीनस्थ अधिकारी (निर्माण)  
UPVNL, New Delhi

233

**2.0 SCHEDULE OF QUANTITIES & PRICES**

| Sl. No.             | Item  | Qty.  | Unit | Ex-works  | Cost  | Freight  | Insurance | Inc. GST   | Total FIRM            |
|---------------------|---|-------|------|-----------|-------|----------|-----------|------------|-----------------------|
|                     |   |       | Rs.  | (Rs.)     | (Rs.) | (Rs.)    | (Rs.)     | (Rs.)      |                       |
| 1                   | 2   | 3     | 4    | 5         | 6     | 7        | 8         | 9          | 10                    |
| 100                 | Supply of compressed natural control protection & monitoring system for Generator, G.T & UNIT of 24 MW each & busbar of Kham HP | 2 Nos |      | 821320.41 | NA    | 18213.29 | 18213.29  | 1900000.00 | 11700000.00           |
| 101                 | Retraining, Testing & Commissioning of advanced protection system.  | 1 lot |      | 150000.00 | NA    | NA       | NA        | 250000.00  | 150000.00             |
| 200                 | Supply of compressed natural control protection & monitoring system for 220 KV busbar of Kham HP                                | 2 Nos |      | 240000.00 | Nil   | 2000.00  | 2400.00   | 250000.00  | 500000.00             |
| 201                 | Retraining, Testing & Commissioning of advanced protection system.  | 2 Nos |      | 50000.00  | NA    | NA       | NA        | 50000.00   | 100000.00             |
| 300                 | Supply of Automation system for control panel in control room.  | 1 Lot |      | 189052.16 | Nil   | 1890.42  | 1890.42   | 191201.00  | 1932000.00            |
| 301                 | Retraining, Testing & Commissioning of advanced automation system.  | 1 lot |      | 251400.00 | NA    | NA       | NA        | 251400.00  | 251400.00             |
| <b>Total (Rs.):</b> |   |       |      |           |       |          |           |            | <b>1,52,33,879.00</b> |

**Total (in words): Rupees One Crore Fifty Two Lacs Thirty Three Thousand Eight Hundred Seventy Nine only**

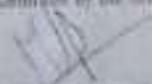
GST extra is legally applicable as per rate

**3.0 TERMS & CONDITIONS:-**

**3.1 Nature of Price:** Ex-works Prices are FIRM for all supply items. The prices of 'Packing & Forwarding Charges', 'Freight & Insurance' shall also remain FIRM and FIRM in all respect.

**3.2 G.S.T.:** G.S.T. shall be paid extra at the time of actual supplies as legally applicable. A copy of relevant document showing rate of GST will be furnished by the contractor to the contractor.

**3.3 Security Deposit:** Security Deposit @ 2% of the total order value shall be submitted by the firm at the time of signing of the Order/Agreement.

  
 (Name of the Contractor)  
 (Address of the Contractor)  
 (City of the Contractor)

  
 (Name of the Contractor)  
 (Address of the Contractor)  
 (City of the Contractor)



### 3.4 Delivery & Work Schedule :

- Equipments, complete in all respects shall be supplied within 9 months from the 7<sup>th</sup> day of placement of LOR. Time of 03 months for work of Erection, Testing & Commissioning of equipments including dismantling and shifting of existing system which is to be reckoned from the date of issue of Shutdown of respective unit (Subject to availability of shutdown). Work on 220 KV feeders shall be executed in tandem affirmation works during currency of the available shutdown period.
- It is desired that firm has to deliver all equipments with required accessories in one go, so that complete work of unit(s) can be taken up thereafter without any hindrance.
- The period of erection/ retrofiting, testing and commissioning for one unit shall also include dismantling of existing system.
- The installation of equipments for the second and third units shall be planned in such a way that after completion of work for one unit, next unit shall be taken up as per available shut down.

- 3.5 Performance Guarantee : 10% Performance Bank Guarantee of total order value, valid for 24 months from the actual date of commissioning or 36 months from the date of receipt of material at site shall be submitted by the firm. *(Submitted by firm)*

### 4.0 TERMS OF PAYMENT :

- 4.1 Supply Portion: Payment against respective unit wise supplies as per BOQ (as stated in clause no. 2, Schedule of quantity & prices on page no. 2 in order) shall be made through running payment. 80% payment against supply of respective unit wise material shall be made after receipt and check of the same in good condition at the destination site and balance 10% payment of respective supply portion on satisfactory completion of its subsequent erection, testing & commissioning. Remaining 10% payment will be made after expiry of 24 months from the date of commissioning of the equipments or 36 months from the date of receipt of the materials at site.

OR

100% payment of respective unit wise supply portion as per BOQ (as stated in clause no. 2, Schedule of quantity & prices on page no. 2 in order) shall be made after the receipt of the same in good condition and its subsequent erection, testing & commissioning at the destination site on submission of 10% Performance Bank Guarantee, valid for 24 months from actual date of commissioning or 36 months from the date of receipt of the materials at site.

- 4.2 Work Portion:

90% payment of work portion for unit wise work (as stated in clause no. 2, Schedule of quantity & prices on page no. 2 in order) will be made after completion of satisfactory work through running payment and balance 10% payment will be made after expiry of 24 months.

OR

100% payment of work portion for unit wise work (as stated in clause no. 2, Schedule of quantity & prices on page no. 2 in order) shall be made after completion of satisfactory work through running payment against submission of 10% Performance Bank Guarantee, which shall only be released after expiry of 24 months.

100% Payment of Work Portion

Subscribed and  
certified for the  
Contractor





240

Unless the security deposit, as above is submitted to the contractor the supplies shall not be acceptable.

9.2 **PERFORMANCE BANK GUARANTEE :**

The firm shall furnish a bank guarantee, from Nationalised or Scheduled Bank in the prescribed proforma appended herewith for the value of 10% of the total value of this Purchase Order amounting to Rs. 15,73,388.00 on non-judicial stamp paper of Rs. 100.00 (Rupees One hundred only) as a guarantee towards the actual and faithful performance of the equipment material being supplied in accordance with the guaranteed technical particulars and drawings. The guarantee shall be valid for 24 months from the actual date of commissioning of the equipment or 36 months from the date of receipt of equipment at site (whichever is earlier).

10.0 **INSPECTION AND TESTING :**

The purchaser shall have right to witness any type routine and acceptance test in per provisions of IS and/or relevant I.E.C. (latest amendments), which shall be conducted at the firm's expense at their works or any other reputed/recognised place of test. The Purchaser shall be given inspection call at least 15 days in advance to witness the tests. Witnessing of such test or their approval would not relieve the supplier of their responsibility to supply the equipment/material in conformity with the guaranteed technical particulars and other technical features mentioned herein.

11.8 **COURT OF COMPETENT JURISDICTION :**

All dispute arising out of and touching or relating to the subject matter of order/agreement shall be subject to the jurisdiction of local courts of Lucknow and High Court Bench of Judicature at Lucknow only.

12.0 **COMPLIANCE WITH REGULATIONS :**

All material/equipment to be supplied under this order/agreement shall comply in all respect with the requirements of IS/IEC or any current rule at the time of order/delivery wherever applicable.

The order shall be governed by the General Conditions of supply & execution of works Form 'A'. General requirements of specifications, technical specifications enclosed herewith except for any deviation mentioned specifically in the main order.

In case of any ambiguity & inconsistency, in Form 'A' & General Requirements of Specification, latter shall prevail. No deviation in the technical specification, technical particulars will be allowed unless and until the deviation is approved by the U.P. Jal Vidyut Nigam Ltd., Lucknow.

13.0 **NOTICE TO THE CONTRACTOR :**

Any notice to be given to the contractor, if purchaser (GSA), shall be sent by registered post at the address given below :-

M/s Anandya Hydros Pvt. Ltd.,  
D-17, MPKVN, Industrial Area  
Mandihood, Distt.-Kashmiri-462046  
Near Bhopal (M.P.), India

Signature of the Contractor  
Name and Designation of the Contractor



14.8 SIGNING OF THE ORDER:

Firm shall, in token of having accepted this order, sign on each and every page, annexures, appendices and drawings if any attached hereto, alongwith official seal affixed below his signatures, so that it may form a formal and legal document for all purposes.

Enclosures:

- A. LOR No. SC/EE(Design)/K-3(Khara-HEP) dated 05.07.2022
- B. General requirement of specifications
- C. Form 'A'
- D. Forms of Performance BG and Security Deposit
- E. Technical specifications chapter
- F. Pre-bid Minutes of Meeting dated 15.12.2021

Yours faithfully,

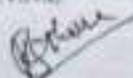


(Manmeet Singh)

Executive Engineer (Design)

आवृत्ति अधीन (डिजाइन)  
उत्तर प्रदेश विद्युत निगम लि.  
फर्रुखी

Order accepted and signed on its each and every page, annexures, appendices and drawings attached hereto of this Purchase Order of U.P.J.V.N.L.



For and on behalf of the

Name: Vaishnav Rathore  
Designation: Sr. Manager  
Date: 08-09-2022

Place: Lucknow

Contractor

Dated: 08/09/2022



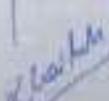
Handwritten signature and date: 08/09/2022

No. 646 /EE(Design)/A-50(Khara Prot.) of date: 6-9-22

Copy forwarded to the following for information & necessary action :-

1. P.A. to Managing Director, U.P.JVNL, Shakti Bhawan, Lucknow.
2. Director (Technical), U.P.JVNL, Shakti Bhawan, Lucknow.
3. Director (Finance), U.P.JVNL, Shakti Bhawan, Lucknow.
4. Chief Engineer (M.P.S./O&M), U.P.JVNL, Shakti Bhawan, Lucknow.
5. Superintending Engineer, H.G.C., U.P.JVNL, Badshahibagh, Khara (Saharanpur).
6. Superintending Engineer (Design), U.P.JVNL, Shakti Bhawan, Lucknow.
7. Executive Engineer, EGD, U.P.JVNL, Badshahibagh, Khara (Saharanpur).

  
(Manmeet Singh)  
Executive Engineer (Design)

  
(Manmeet Singh)  
Executive Engineer (Design)

OFFICE OF EXECUTIVE ENGINEER  
Hydel Generation Division,  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.  
(Formerly Known as UPJVNL)

Khars-Badshahbagh, Saharanpur- 247122

कार्यालय अधिशासी अभियन्ता

जल विद्युत उत्पादन खण्ड,

उद्योग राज्य विद्युत उत्पादन निगम लि.,

(पूर्ववर्ती काठजल जल विद्युत निगम लि.)

आस- बादशाहीबाग, सहारनपुर- 247122

CEN-U3190IUP1985SGC007135

Email: eekhars@gmail.com



पत्रांक

/अधिश/

दिनांक

ट्रान्ज फार्लोका प्रोटेक्शन सिस्टम,  
हाउस रोड,  
गाधियाबाग।

विषय :- निविदा स्वीकृति के सम्बन्ध में।

इस कार्यालय के निविदा सूचना सं. T-49/SGC/2023-24 के अंतर्गत "Supply, Erection, Testing & Installation of New CO<sup>2</sup> Bank System with All Automation Accessories for Hydro Generator (26.6 MVA x 3) of Khars Power House, Dist. Saharanpur" से सम्बंधित कार्य हेतु आप द्वारा दी गयी निविदा जो कुल का 59,75,207.00 इन्डू एच रोका कर अतिरिक्त की है, निविदा समिति द्वारा स्वीकृत कर ली गई है। आप द्वारा गिना प्रपत्र लेकर दिनांक 13.05.2024 तक इस कार्यालय में अनुमति हेतु उपस्थित हो। कार्य प्रारम्भ करने की तिथि बाद में निर्णय की जायेगी।

1. अनुमति हेतु रु. 100.00 का स्टाम्प पेपर।
2. भारतीय उच्चतम न्यायालय के निर्देशों के अनुपालन में अनु सचिव काठजल शासन सचका के शासनार्थक सं. CC-287/24 पी-3-2006 दिनांक 19 जनवरी 2007 अनुसार आरोप स्टाम्प शुल्क अदागरी हेतु साथ पत्र (मुख्य सचिव पत्र सं. कमि 5-3600/ ग्याह -2006-500(119)/2006 दिनांक 4.10.2006)
3. पूरा बीमा।
4. निविदादाता द्वारा वित्तीय तागत से कम लागत की निविदा चलाने की वधा में शासनार्थक सं. 622/23. 12.2012/2 आरिटि/06/टीसी-2 दिनांक 08.08.2012 के अनुसार 10 प्रतिशत एक न्यूनतम दर (Below 500) बोलने पर 0.50 प्रतिशत प्रति 1 प्रतिशत कम दर पर तथा 10 प्रतिशत से अधिक न्यूनतम दर (Below 500) पर 1 प्रतिशत प्रति 1 प्रतिशत कम दर पर प्रमाणित शास्त्री की अतिरिक्त धरोहर धनदाता जमा करने के उपरान्त अनुमति गठित किया जायेगा। अतः उक्त शासनार्थक आपकी Performance Guarantee हेतु (P.G. - 13% of Rs. 60,49,223/-) - Ru. 7,86,400/- की एक बी.आर. / बैंक गारंटी के रूप में जमा करना है।

अगर आप उपरोक्त विधि एक अनुमति हेतु उपरोक्त प्रपत्र लेकर उपस्थित नहीं होते है तो आपको द्वारा जमा की गयी धरोहर प्रति रकम कर ली जायेगी तथा इस सम्बन्ध में आपका कोई दावा मान्य नहीं होगा।

पत्रांक 113 /अधिशकाठ/टी-49/एच.जी.टी./2023-24

अधिशासी अभियन्ता

दिनांक 30-4-24

प्रतिनिधि निम्नलिखित को सुदृढार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. अधीक्षण अभियन्ता जल विद्युत उत्पादन खण्ड आस बादशाहीबाग (सहारनपुर)।
2. सहायक अभियन्ता/अवर अभियन्ता (विद्युत अनुसंधान), जल विद्युत उत्पादन खण्ड, बादशाहीबाग (सहारनपुर)।
3. उपस्थित लेखाकार, जल विद्युत उत्पादन खण्ड बादशाहीबाग।
4. अनुमति प्राप्त।

अधिशासी अभियन्ता

# U.P. Rajya Vidyut Utpadan Nigam Limited.

CIN NO. U31901UP1985SGC007135

GST NO. 09AAACU4797P6Z8



## AGREEMENT DOCUMENT

AGREEMENT NO. > 01 HGD/2024-25 DATED 15-05-2024

DATE OF START > As per requirement.

COMPLETION OF WORK :- 06 Month.

NAME OF WORK :- Supply, Erection, Testing & Installation of New CO2 Rank System with All Automation Accessories for Hydro Generator (26.6 MVx 3) of Khara Power House, Distt. Saharanpur.

AGREEMENT VALUE :- Rs. 59,75,297.00

TENDER NOTICE NO. :- T-49/HGD/2023-24

NAME OF CONTRACTOR :- M/s Tri Parulax Fire Protection System,  
Hapur Road,  
Ghaziabad.

*OFFICE OF THE EXECUTIVE ENGINEER*

**HYDEL GENERATION DIVISION, KHARA BADSHAHI BAGH,  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.  
BADSHAHIBAG, SAHARANPUR - 247122**

*[Signature]*  
[Name] [Signature]  
[Address] (with stamp)



AGREEMENT NO. 01..... HGD/UPRVNL/2024-25 FOR

"Supply, Erection, Testing & Installation of New CO2 Bank System with All Automation Accessories for Hydro Generator (26.6 MVx 3) of Khara Power House, Distt. Saharanpur."

(AGAINST TENDER SPECIFICATION NO. T-09/HGD/2023-24)

This agreement made on dated 12.05.24 between M/s Tri Parulax Fire Protection System, Hapur Road, Ghaziabad, Hereinafter referred to as "The Contractor" of the one part & Executive Engineer, Hydel Generation Division, U.P. Rajya Vidyut Utpadan Nigam Ltd., Khara, Badashahibagh (Saharanpur) hereinafter called "The Purchaser" of the other part.

WHEREAS the Purchaser is about to get the work of "Supply, Erection, Testing & Installation of New CO2 Bank System with All Automation Accessories for Hydro Generator (26.6 MVx 3) of Khara Power House, Distt. Saharanpur." (herein after called "the said work"). And the purpose mentioned of enumerated or referred to the certain terms & conditions, General Conditions, Special Conditions, technical specifications, schedules, covering letter and schedule of prices which for the purpose of identification have been signed M/s Tri Parulax Fire Protection System, Hapur Road, Ghaziabad on behalf of the U.P. Rajya Vidyut Utpadan Nigam Ltd. and all of which shall form part of this contract as through separately set out herein and are included in the expression 'Contract' wherever herein used.

AND WHEREAS the purchaser has accepted the tender of the Contractor for the provision & execution of the said works for the sum of Rs. 59,75,297.00 + GST Extra (Rs. Fifty Nine Lac Seventy Five Thousand Two Hundred Ninety Seven Only) under the terms & subject to the condition hereinafter mentioned.

Now these witness and the parties hereto hereby agree and declare as follows:-

That is to say, in consideration of the payment to be made to contractor by the purchaser as hereinafter mentioned the Contractor shall duly provide the said works and shall do and perform all other works and things in the contract mentioned or described or which are implied there from or therein respectively or may be reasonably necessary for the completion of the said works within and as the times and in the matter and subject to terms, conditions and stipulated mentioned in the said contract.

AND in consideration of the due provision of as per specification a sum of Rs. 59,75,297.00 + GST Extra (Rs. Fifty Nine Lac Seventy Five Thousand Two Hundred Ninety Seven Only) or such other sum as may become payable to the contractor under the provision of the contract "Supply, Erection, Testing & Installation of New CO2 Bank System with All Automation Accessories for Hydro Generator (26.6 MVx 3) of Khara Power House, Distt. Saharanpur." such payment to be made at such time and in such manner as is provided by this contract.

In case of any conflict or inconsistency in special condition of contract & General Condition of form 'A', the condition given in Special condition of contract shall prevail.

The date of start of work will be intimated after the receipt of complete supply at site.

In witness whereof the parties here to have signed this deed hereunder on the date respectively mentioned against the signature of each.

Signature of Contractor  
With seal

Witness

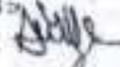
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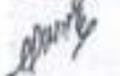
2.

  
(Name)  
for witness (only for use)

  
Executive Engineer  
Hydel Generation Division  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.  
Khara, Badashahibagh (Saharanpur)

Witness :-

1. 

2. 

**SPECIAL CONDITION OF CONTRACT**

**1 GENERAL**

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Condition of Contract. These special conditions of Contract shall also be applicable for works & supply.

**2 SCOPE OF WORK**

The scope of work under this contract shall be Supply, Erection, Testing & Installation of New CO2 Bank System with All Automation Accessories for Hydro Generator (26.6 MVA x 3) of Khars Power House. The entire works is broadly identified as follows:

- 2.1 Supply of material specified in these documents F.O.R. Khars Power House Distt. Saharanpur.
- 2.2 Erection, Testing & Installation of New CO<sub>2</sub> Bank System with All Automation Accessories for Hydro Generator (26.6 MVA x 3) of Khars Power House of this project as detailed in these specifications.
- 2.3 Any other work required for the proper commissioning of the Project shall be deemed to be considered as included in the Contract without any extra payment.
- 2.4 Scope of works is described in Technical Specifications.

**3 Sufficiency OF Bid**

- a) The Contractor shall be deemed to have visited and carefully examined the Site. It's to have satisfied himself to the nature and conditions of project, it's surroundings, the means of transport and communications, whether by land or air, as available at present and as to possible interruptions thereto including the access and regress conditions for the Site. The Contractor is also deemed to have made enquiries as may be necessary for executing and completing the Works.
- b) Any neglect or omission or failure on the part of the Contractor in obtaining necessary and reliable information upon the foregoing or any other matter affecting the Contract shall not relieve him from any risks or liabilities or the entire responsibility for the completion of the Works in accordance with the Contract.
- c) No verbal agreement or inference from conversation with any officer or employee of the Purchaser either before or after the signing of the Contract shall in any way affect or modify any of the terms or obligations herein contained. The Contractor shall also be deemed to have inspected and examined the Site and to have satisfied himself, before submitting his Bid, as to the form and nature thereof including the local conditions, the extent and nature of work and materials necessary for the completion of the Works, the means of access to the Site etc. he may require and, in general, shall be deemed to have obtained all necessary information, as to risks, contingencies and all other circumstances which may influence or affect his Bid.

**4 CONTRACT DOCUMENTS**

The term Contract Documents shall mean and include the following which shall be deemed to form an integral part of the contract:

Agreement T-49 2023-24

*Tal*  
 Executive Engineer  
 Hydro Generation Division  
 U.P. RAJYA VIDYUT UTTARAN NIGAM Ltd.  
 Khars (Saharanpur)

*Chandra*  
 10/10/2023  


- a) Pre-Qualifying conditions, General conditions of Contract, special conditions of contract, Instruction to Bidders and all related documents.
- b) In the event of any conflict between the above-mentioned documents the matter shall be referred to Engineer-in-Charge whose decision shall be final and binding upon the parties.

#### 5 CHANGES IN CONSTITUTION OF FIRM AND ADDRESS

Any change in the constitution and addresses of the Bidding Firm and its Partners shall be forthwith notified by the Contractor to the Purchaser for its information.

#### 6 Date of Start

The date of start of work under this contract shall be intimated by Executive Engineer.

#### 7 COMPLETION PERIOD

The execution of Works including supply shall be completed within 6 (Six) calendar months from the date of signing of Contract Agreement.

#### 8 WORK SCHEDULE / RE-SCHEDULING & PROGRESS OF WORK

- 8.1 The Contractor shall submit a detailed BAR CHART within 7 days of award of contract. This document shall also clearly indicate the interlinking/ interdependencies of relative activities.
- 8.2 The Works shall be executed and performed in accordance with the Bar Chart submitted.
- 8.3 If for any reason, any parts of the Works of the Project are delayed, then the total programme may be re-scheduled by mutual agreement between the Engineer-in-Charge and the Contractor, if necessary, keeping the overall completion schedule of the project unaltered. No extra cost whatsoever, on account of such re-scheduling shall be payable to the Contractor.

#### 9 REPLACEMENT OF DEFECTIVE PLANT MATERIALS

If during the progress of work Engineer-in-Charge decides and notify in writing to the Contractor that the Contractor has installed any plant or part of plant unsound or imperfect or has supplied any plant inferior in quality, the Contractor, on receiving details of such defect or deficiency, shall alter or remove such plant or part of plant or supply fresh materials up to the standard of the specifications at his own expenses. In case the Contractor fails to do so, the Owner may on giving the Contractor 7 (seven) days notice in writing of his intention to do so, proceed to alter or remove such plant or part or supply all such material at the Contractor's cost provided that nothing in this clause shall, be deemed to deprive the Owner or affect any rights of the Contractor which he may otherwise have in respect of such defects or deficiencies and provided that such replacement shall be carried out by the Owner within a reasonable time and at a reasonable price and when reasonable possibly to the same specifications and under competitive conditions.

#### 10 DEATH OR BANKRUPTCY ETC.

If the Contractor die or dissolve or commit any act of bankruptcy or being a corporation commence to be wound up except for reconstruction purposes or duty on his business under a receiver, the executors, successors or other representatives in law of the state of the Contractor or any such receiver, liquidate or any persons in writing to the Purchaser and shall for one (1) month, during which he shall take all reasonable steps to prevent stoppage of the work, have the option of carrying out the Contract subject to his or there providing such guarantee as may be

Agreement Y-45/2021-24

Executive Engineer

Hydel Construction Division

M.P. RAJYA VIKAS UTSAHAN NISAM Ltd.

Kharai Taluk/Chitradurga District



required by the Purchaser but not exceeding the value of the work for the time being remaining unexecuted. Provided, however that nothing above said shall be deemed to relieve the Contractor or his successors of his or their obligations under the Contract under any circumstances. In the event of stoppage of the work the period of the option under this clause shall be fourteen (14) days only provided that should the above option be not exercised the Contract may be terminated by the Purchaser by notice in writing to the contractor and the same power and provision reserved to the Purchaser as specified in the event of taking the work out of the Contractor's hand shall immediately become operative.

**11 Works to be executed in accordance with Specifications and Orders etc.**

The Contractor shall execute the whole and every part of the work in the most substantial and workman like manner and both as regards materials and otherwise in every respect in strict accordance with specifications. The Contractor shall also confirm exactly, fully and faithfully to the instructions and specifications in writing relating to the work signed by the Purchaser and lodged in his office, and to which the Contractor shall be entitled to have access at such office or on the site of the work for the purpose of inspection during office hours, and the Contractor shall if he so requires, be entitled at his own expense to make or cause to be made copies of specifications and instructions as aforesaid.

**12 NEGLIGENCE**

- 12.1 If the Contractor neglect to execute the work with due diligence and expedition or refuse or neglect to comply with any reasonable orders given to him in writing by the Engineer in connection with the works or shall contravene the provisions of the Contract, the Purchaser may give notice in writing to the Contractor calling upon him to make good the failure, neglect or contravention complained of.
- 12.2 If the Contractor fail to comply with such notice within a period considered reasonable by the Purchaser from the date of service thereof, in the case of failure, neglect or contravention capable of being made good within that time or otherwise within such time as may in the opinion of the Purchaser reasonable necessary for making it good, then and in such case of Purchaser shall have the option and be at liberty to take the work wholly, or in part, out of the Contractors hand may carry on the work necessary to complete the work envisaged in the Contract either by himself or his agents or may reconstruct at reasonable price with any other person or persons to execute the same or any part thereof and provide any other materials tool, tackle or labour for the purpose of completing the works of any part thereof.
- 12.3 In such event the Purchaser shall without being reasonable to Contract, for fair wear and tear of the same be entitled to seize and take possession and have free use of all material, tools, tackle or other things which may be on site, for use at any time in connection with the work to the exclusion of any right of the Contractor over the same and the Purchaser shall be entitled to retain and apply and balance sum which may otherwise be then due on the Contract by him to the Contractor or such part there as may be necessary, to the payment of the cost of execution of such work aforesaid.
- 12.4 If the cost of executing the work as aforesaid shall exceed the balance due to the Contractor and the Contractor fails to make good the deficit, the said materials, tools, tackle or other things, the property of the Contractor as may not have been used up in the completion of the works may be sold by the Purchaser and proceeds applied towards the payment of such difference and the cost of any incidental to such sale. Any outstanding balance existing after crediting the proceeds of such sale shall be paid by the Contractor on the certificate of the Engineer - in - Charge, but when all expenses costs and charges, incurred in this

*Handwritten Signature*  
 Executive Engineer  
 World Construction Division  
 U.P. RAJYA VIDYUT UTPADAN NIGAM Ltd.  
 Ghara Gadhahati (Bhopal/Satnagar)



of the work are paid by the Contractor, all such materials, tools, tackle or other things not used upon in the completion of the works and remaining unused shall be removed by the Contractor. If the proceeds of the above sale of the Contractor materials, tools, tackle etc. are insufficient to cover the cost of executing the aforesaid work, the balance remaining after crediting the proceeds of such sale shall be recoverable from the Contractor by action of law.

### 13 SECURITY DEPOSIT:

The Contractor shall at the time of signing the agreement shall furnish the security deposit @ 2% of the total value of the Order/Agreement in shape of Bank Draft in favour of Executive Engineer, Hydel Generation Division, U.P. Rajya Vidyut Utpadan Nigam Ltd, Badshahbagh, Saharanpur payable at Saharanpur or Bank Guarantee in the prescribed proforma from any scheduled bank of the country. This security deposit shall remain valid for the period till the supplies & works are completed as per provisions of the purchase order/agreement.

### 14 PERFORMANCE BANK GUARANTEE:

The Contractor shall have to deposit performance bank guarantee amounting to 10% of the contract value, valid for 12 months from actual date of commissioning of CO<sub>2</sub> Bank, as a guarantee towards the actual and faithful performance of the equipment being supplied under this specification. If however, the period of the Contract is for any reason extended thereby extending the said date and upon such extension, the Contractor has to furnish a fresh or renewed bank guarantee for the extended period. Bank Guarantee shall be in the prescribed proforma of the Nigam from any Scheduled Bank of the country.

### 15 PLANT PERFORMANCE GUARANTEE

- 15.1 All equipment/works shall be warranted for 12 (Twelve) months from the date of commissioning. Such warranty period shall also cover the period of any type of extension granted by Engineer-in-Charge.
- 15.2 The above guarantee shall be valid for the above-mentioned period commencing immediately on the satisfactory completion of the final tests at site. During this period the Contractor's liability shall be limited to the replacement/repair of any defective parts that may develop in plant.
- 15.3 All such replacement/repair of defective parts mentioned above shall be made free of cost at site by the Contractor.
- 15.4 Until the final certificate has been issued, the Contractor shall have the right of entry, at his own risk and expense, by himself or his duly authorized representatives, at all reasonable working hours upon all necessary parts of the works for the purpose of inspecting the working and the records of the plant and taking notes thereof and, if he desires, at his own expense making any test, subject to the approval of the Engineer-in-Charge, that will not be unreasonably withheld.

### 16 Tests

The Contractor shall be required to carry out all tests in accordance with relevant clauses of the conditions of contract and the Technical Specifications.

### 17 DAMAGE TO WORKS

The works whether fully completed or incomplete, all the works materials, machinery, plants, tools, and other things connected therewith shall remain at the risk and in the sole charge of the Contractor until whole of the completed work under the Contract has been delivered to the Purchaser. Until such delivery of the entire completed work, the Contractor shall at his own cost take all precautions reasonably to keep all the aforesaid works, materials, machinery and other things connected therewith free from any loss or damage and in the event of the same or any part thereof being lost or damaged, he shall forthwith re-estate and make good such loss or damage at his own cost.



**18 PAYMENT TERMS**

**(i) SUPPLY: -**

- a) 80% payment for supply portion shall be done after satisfactory completion of supply at site.
- b) Further 10% payment for supply portion shall be done after successful completion and commissioning of the work.
- c) Balance 10% payment for supply portion will be kept in form of Performance Guarantee and payment made after expiry of 12 months from date of commissioning.

OR

10% payment for supply portion shall be made after satisfactory completion of full work (till commissioning) after submission of 10% Performance Bank Guarantee/FDR, which shall only be released after expiry of 12 months from commissioning.

**(ii) WORK: -**

- a) 90% payment for work portion shall be done after satisfactory completion of work (till commissioning).
- b) Balance 10% payment for work portion will be kept in form of Performance Guarantee and payment made after expiry of 12 months from date of commissioning.

OR

10% payment for work portion shall be made after satisfactory completion of full work (till commissioning) after submission of 10% Performance Bank Guarantee/FDR, which shall only be released after expiry of 12 months from commissioning.

The decision of the Engineer-in-charge on any such dispute or difference or interpretation shall be final and binding on the contractor in respect of all items executed for completion of the project.

**19 CLEANING UP**

The Contractor shall at all time keep the area where work is to be carried out and temporary store free from accumulation of waste or rejected materials.

**20 WORKS TO BE OPENED FOR INSPECTION**

All works, under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Purchaser and the Contractor shall at all times during the usual working hours and at all other times at which reasonable notice of the intention of Purchaser to visit the work shall have been given to the Contractor either be himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the Contractor himself.

  
 Engineer-in-Charge  
 Hydel Construction Division  
 S.E. Circle, Tirupathi, Andhra Pradesh  
 State Power Corporation Limited (SPCL)


**21 Drawing**

The Contractor shall submit the following Technical data sheet / drawings:

- General Arrangement drawings of the whole system offered.
- Detailed dimensioned drawings and descriptive literature of all the components supplied.
- Technical data sheet of offered supplies.
- The contractor shall submit 4 (Four) sets of detailed drawing / Technical data sheet.

Executive Engineer

  
Executive Engineer  
Hydel Execution Division  
U.P. RAJYA VIDYUT UTHARAN NIGAM LTD.  
(Rajya Dahanu (Rajya) Sahakar)

Signature of Contactor  
With seal



  
Signature of Contactor  
(with seal)

### Technical Specification

The scope of work includes supply & installation of new CO<sub>2</sub> gas total flooding system for three nos. 24 MW generators of Khara Power House along with complete dismantling of existing CO<sub>2</sub> system as per specification given below: -

#### (A) SUPPLY PART

All supply items shall be as per relevant LS/NFPA standard with latest amendment.

1. 68 Ltr. water capacity brand new seamless cylinder with CCoE Approval and filled with 45 Kg CO<sub>2</sub> Gas fitted with Master valve with 24 V DC Solenoid and Manual Lever.

CO<sub>2</sub> gas with 99.9% purity filling & CO<sub>2</sub> Quality must meet IS 15222: 2002 (Table 1) / NFPA 12 (sec. 4.6.3), which specifies the following minimum properties:

- i) Vapor phase shall not be less than 99.5 % CO<sub>2</sub> with no detectable off taste or odor.
- ii) The water content of the liquid phase shall comply with the compressed gas association's G 6.2, (Commodity Specifications for Carbon Dioxide).
- iii) Oil content shall be not more than 10 ppm by weight.

The specification of CO<sub>2</sub> cylinder should be as:-

- i) Capacity: 68 Ltr. (45 Kg.)
  - ii) Manufacturer: -EKC/ EUROTCH/RAMA/EQUIVALENT
  - iii) Medium: CO<sub>2</sub>
  - iv) Storage Pressure: 60 bar at 27°C
  - v) Test pressure: 250 bar
  - vi) Working pressure: 70 bar
  - vii) Operating Temperature: -20 °C to 50 °C
  - viii) Base: convex / concave
  - ix) Design: IS: 8198 - Part 1 & part 3 with latest amendments.
  - x) Assembled accessories: Neck ring as per IS
  - xi) Material: As per IS
  - xii) Paint: Red (As per Gas Cylinder Rules)
  - xiii) CCoE & PESO Approved with test & Acceptance Certificates
2. CO<sub>2</sub> Master Valve with DIN 477 threading standard complete with 24V DC Solenoid and Manual Release lever
    - i) Material: Brass Body with SS inner Parts
    - ii) Max. Working Pressure: 250 bar
    - iii) Operation: 24V DC Solenoid Valve / Manual Release Lever
    - iv) Approval: CE
    - v) Make: Coodeux (EU- Europe Union)/ EQUIVALENT
  3. CO<sub>2</sub> Slave Valve with Pneumatic actuator with DIN 477 threading standard
    - i) Material: Brass Body with SS inner Parts
    - ii) Max. Working Pressure: 200 bar
    - iii) Operation: Pneumatic
    - iv) Approval: LPCB / VDS / TPED
    - v) Make: Coodeux - Luxembourg-EU/VTI/ KEW/ EQUIVALENT



4. CO<sub>2</sub> Cylinder bank assembly suitable to fix (8+8) x 45 Kg. CO<sub>2</sub> gas cylinders in Tubular Frame Assembly with seamless Sch. 80 manifold (header) matching flange & online monitoring fixing assembly fully integrated pressure switch, safety valve, non-return valve, SS braided discharge hose, terminal boxes, actuation hose, non-ferrous fasteners and other required accessories for main bank & extended bank.

a) **Manifold (Header) -**

- i) Material: Seamless Sch.80 pipe as per ASTM-A-106 Gr.B
- ii) Finishing: Powder Coating finishing with P.O Rod shade
- iii) Make: TPFP/ Bala-wa AGNI CONTROLS / EQUIVALENT

b) **Frame Assembly -**

- i) Material: 40 x 40 x 1.6 thick M.S Square Tube
- ii) Bolts & Nuts: Made out of SS304
- iii) Accessories: Holding Rod & Nut is provided for cylinders
- iv) Finishing: Powder Coating finishing with Grey shade
- v) Grouting: Suitable Holes Provided for Anchor Fastener
- vi) Make: TPFP/ Bala-wa AGNI CONTROLS / EQUIVALENT

c) **Gas Weight Monitor Fixing Rail Assembly -**

- i) Material: Fabricated with 50 x 50 x 6 thick L-Angle
- ii) Finishing: Powder Coating finishing with Grey shade
- iii) Make: TPFP/ Bala-wa AGNI CONTROLS / EQUIVALENT

5. Non-Return Valve suitable for CO<sub>2</sub> Cylinder

- i) Material: Brass Body with SS Inner Ball
- ii) Type of Mounting: Vertical
- iii) Manifold Connection: 3/4" NPT (F)
- iv) Discharge Hose Connection: 1/2" BSP (F)
- v) Actuation Hose Connection: 1/8" BSP (F)
- vi) Make: TPFP/ Bala-wa AGNI CONTROLS / EQUIVALENT

6. High Pressure Discharge Hose

- i) Size: 1/2" (ID)
- ii) Material: Synthetic Oil Resistant rubber and outer wire braided out of SS304
- iii) Hydro Test Pressure: 8000 psi.
- iv) Working Pressure: 4000 psi.
- v) Overall Length: 400 mm / 350 mm OR as per site requirement
- vi) Make: GATES/API/ Bala-wa AGNI CONTROLS / EQUIVALENT

7. High Pressure Pneumatic Actuation Hose

- i) Size: 3/16" (ID)
- ii) Material: Synthetic Oil Resistant rubber and outer wire braided out of SS304
- iii) End Fittings: Swivel type made out of SS304
- iv) Hydro Test Pressure: 10,000 psi.
- v) Working Pressure: 5,000 psi.



- vi) Overall Length: 550 mm / 300 mm OR as per site requirement
- vii) Make: GATES/API/ Bala-wa AGNI CONTROLS / EQUIVALENT

#### 8. Manifold Safety Valve

- i) Material: Brass
- ii) Burst Disc Operating Pressure: 165 – 195 bar at 20°C
- iii) Working Pressure: 140 Kg/cm<sup>2</sup>
- iv) Manufacturer: Bala-wa AGNI CONTROLS / EQUIVALENT

#### 9. Pressure Switch

- i) Adjustable Range: 1.4 to 28 Kg/mm<sup>2</sup>
- ii) Sensor: SS-316 Diaphragm
- iii) Wetted Parts: SS-316
- iv) Type: Blind, Diaphragm Sealed piston Actuated
- v) Set point Adjustment: Throughout range
- vi) ON-OFF Differential: Fixed Max. of 4.59 Kg/mm<sup>2</sup>
- vii) Max. working Temperature: 150°C
- viii) Max. Working Pressure: 165 Kg/mm<sup>2</sup>
- ix) Micro Switch Type: Snap Action
- x) Contact Material: Silver Plated
- xi) Contact & Rating: 2 SPDT / 15A 250V AC, 0.25A 250V DC
- xii) Enclosure Protection: Die cast Aluminum weather proof with Epoxy coating (IP 66) As per IS-2147 with latest amendment.
- xiii) Accuracy / Repeatability: +/-1% of FSR
- xiv) Cable Entry: Through Adaptor
- xv) Process Connection: 1/4" NPT (F)
- xvi) Make: ORION / INDOSS/ EQUIVALENT

#### 10. CO<sub>2</sub> Discharge Nozzle Conical Type with Blow - Off Cap with Adaptor

- i) Material: Leaded Tin Bronze with Nickel Plating
- ii) Test Pressure: 14 MN / m<sup>2</sup>
- iii) Orifice Code: As per design requirement.
- iv) Nozzle Cover Material: Aluminum
- v) Process Connection threading: 1/2" BSP
- vi) Make: TPFP/ Bala-wa AGNI CONTROLS / EQUIVALENT

#### 11. 6 nos. of Directional valve and Joking manifold Assembly (6 nos. N<sub>2</sub> cylinders, 3 nos. 32 NB Directional valve, 3nos. 25 NB Directional valve, 6 nos. discharge hose)

- a) Pilot Cylinder 5.1 litres water capacity Filled with N<sub>2</sub> Gas to operate Directional valve in Fire extinguishing system.
  - i) Method of Discharge: By Solenoid Coil & Manual Operation
  - ii) Type of Discharge: Non-Intermittent type.
  - iii) Type: High Pressure Seamless Brand-New Rechargeable Type Cylinder.
  - iv) Water Capacity: 5.1 Ltrs.
  - v) Approval: BIS & CCoE
  - vi) Make: RAMA/EKC/EUROTECH/ EQUIVALENT



- b) 32 NB & 25 NB CO<sub>2</sub> Directional valves (Make: Micro Pneumatic/ Bala-wa AGNI CONTROLS /O/ Equivalent)
12. Manual Lock-out valve with supervisory Limit Switch (25 NB & 32 NB)
- Construction: MS Seamless Sch.80 Pipe
  - Test Pressure: 75 bar
  - Paint Shade: Black Textured
  - Manufacturer: Bala-wa AGNI CONTROLS / EQUIVALENT
13. CO<sub>2</sub> gas Cylinder continues Online weight Monitoring Device - Analogue / LED Type
- Manufacturer: Bala-wa AGNI CONTROLS / EQUIVALENT
14. Online Monitor Control Panel - 2 Area
- Manufacturer: Bala-wa AGNI CONTROLS / EQUIVALENT
15. Display Unit
- Discharge Warning Display Unit (One in Control Room & one on turbine floor)
  - Safety Sign Board - Vacate Immediately (One on each machine)
  - Safety Sign Board - Do Not Enter (One on each machine)  
(Manufacturer: Bala-wa AGNI CONTROLS / EQUIVALENT)
16. Inhibit/ Abort Switch (MAKE: TPFP/ Bala-wa AGNI CONTROLS / EQUIVALENT)
17. Manual Gas Release (MAKE: TPFP/ Bala-wa AGNI CONTROLS / EQUIVALENT)
18. Electronic Dual Tone Hooter with Flashing Lamp (MAKE: TPFP/ Bala-wa AGNI CONTROLS / EQUIVALENT)
19. Seamless steel tube Sch.80 Pipes as per ASTM-A-106 Gr. B with Fittings of suitable 32NB Sizes (Make: Jindal/MST/MSL/ EQUIVALENT). The pipes should be painted red in colour.
20. Seamless steel tube Sch.80 Pipes as per ASTM-A-106 Gr. B with Fittings of suitable 25NB Sizes (Make: Jindal/MST/MSL/ EQUIVALENT). The pipes should be painted red in colour.
21. 1.5 mm<sup>2</sup> 2-Core Cu. Arm'd. FRLS Cable for carrying out of complete work including all consumables (Make: Polycab / Gloster / Havells / PTFE / EQUIVALENT)
22. Probe Type Fixed Temperature Heat Detector with Junction Box.
- Material of Construction- Junction Box (MS Sheet Metal Body)
  - Paint Shade: Fire Red
  - Cable Entry Size: 19mm dia.
  - No. of cable entry: 4 Nos.
  - Temperature Setting: 60/80/90 °C
  - Make: TPFP/ Fladet series AGNI CONTROLS/EQUIVALENT
23. Conventional Fire Detection & Gas release Alarm Panel Working on 6 Zones with 2 nos. spare zone
- Paint: Fire Red
  - Type of Mounting: Wall Mounting Type
  - Construction of Panel: CRC<sup>A</sup> Sheet of 16 SWG
  - Working Voltage: 0-24 V D.C.
  - Input Power Supply: 230 Volts AC +/- 30 Volts





Tender Title: Supply, Erection, Testing and Installation of New CO2 Bank System with All Automation Accessories for Hydro Generator 26.5 MVA x 2 of Khan  
 Power House at Dakshinapur S.P.  
 Tender ID: 2024\_IP/VN\_02017\_1

Tender Inviting Authority: Executive Engineer, HSD Khan-Balichangh, Sahaspur

Name of Work: Supply, Erection, Testing & Installation of New CO2 Bank System with All Automation Accessories for Hydro Generator (26.5 MVA x 2) of  
 Khan Power House, (Dist: Sahaspur S.P.)

Tender No: T-26/09/2023-24

SCHEDULE OF WORK / ITEMS

| Sl.No | Description of Work / Items  | No. of Qty | Unit | Estimated Rate | T4 Panda Fire Protection System (IGTN-50AEP11800LQ) 940 ID -413038 |           |                                   |
|-------|--|------------|------|----------------|--|-----------|-----------------------------------|
|       |  |            |      |                | Rate   | Amount    | Final Amount (after registration) |
| 1.00  | Duply Part- 80 Lt. water capacity brand new seamless cylinder with COCO Approval and 1000 MPa 48 Kg. CO2 Gas filled with Water valve with 24 V DC Solenoid and Manual Lever  | 4.00       | No.  | 11500.00       | 7000.00  | 28000.00  | 27675.00                          |
| 2.00  | 80 Lt. water capacity brand new seamless cylinder with COCO Approval and filled with 48 Kg. CO2 Gas filled with Water valve with Pneumatic actuator  | 28.00      | No.  | 8000.00        | 4800.00  | 128000.00 | 127520.00                         |
| 3.00  | CO2 Cylinder bank assembly suitable to fit (4+4) x 48 Kg. CO2 gas cylinders in Tubular Frame Assembly with seamless with 30 stainless (header) matching flange & carbon monitoring piping assembly fully integrated pressure switch, safety valve, non return valve, 50 braided discharge lines, Pneumatic actuation lines, terminal boxes, non ferrous fasteners and other required accessories for Inflat Bank | 1.00       | Set  | 40000.00       | 48000.00   | 48000.00  | 44800.00                          |
| 4.00  | CO2 Cylinder bank assembly suitable to fit (4+4) x 40 Kg. CO2 gas cylinders in Tubular Frame Assembly with seamless with 30 stainless (header) matching flange & carbon monitoring piping assembly fully integrated pressure switch, safety valve, non return valve, 50 braided discharge lines, Pneumatic actuation lines, terminal boxes, non ferrous fasteners and other required accessories for Inflat Bank | 1.00       | Set  | 40000.00       | 48000.00   | 48000.00  | 44800.00                          |
| 5.00  | CO2 Discharge Water Control Type Valve Size - 2" G with Actuator   | 40.00      | No.  | 1800.00        | 700.00   | 32000.00  | 31054.00                          |
| 6.00  | 6 nos. of Electronic valves and Juring mounted Assembly complete in all respect  | 1.00       | Set  | 84000.00       | 28000.00   | 10000.00  | 24000.00                          |
| 7.00  | Continuous Gas Weight Monitor Analog/LED Type  | 42.00      | No.  | 1200.00        | 2000.00  | 112000.00 | 110000.00                         |
| 8.00  | Discharge Warning Display Unit   | 2.00       | No.  | 400.00         | 400.00   | 400.00    | 380.00                            |
| 9.00  | Safety Sign Board - Vacuum Immediately   | 3.00       | No.  | 1500.00        | 1500.00  | 4500.00   | 4400.00                           |
| 10.00 | Safety Sign Board - Go Not Enter   | 3.00       | No.  | 1500.00        | 1500.00  | 4500.00   | 4400.00                           |
| 11.00 | Manual Reset Switch  | 3.00       | No.  | 500.00         | 1500.00  | 2800.00   | 2800.00                           |
| 12.00 | Manual Gas Release   | 3.00       | No.  | 2800.00        | 8400.00  | 27000.00  | 26700.00                          |
| 13.00 | Electrofit Gas Torq Handle with Flashing Lamp for Inflat Application   | 4.00       | No.  | 3000.00        | 3800.00  | 14000.00  | 13800.00                          |
| 14.00 | Stainless steel tube SCH 40 Pipe as per AS/MAA 108 Gr. B with Flanges of suitable 1250 Size  | 200.00     | Mt.  | 1000.00        | 800.00   | 80000.00  | 40000.00                          |
| 15.00 | Stainless steel tube SCH 40 Pipe as per AS/MAA 108 Gr. B with Flanges of suitable 2000 Size  | 200.00     | Mt.  | 1800.00        | 200.00   | 40000.00  | 38000.00                          |
| 16.00 | 2 Nos. 1.8 mtr. O.D. Aerial. FRLS Cable for carrying out of complete work including all accessories  | 1000.00    | Mt.  | 15.00          | 15.00  | 15000.00  | 13000.00                          |
| 17.00 | Conventional Fire Detection & Gas release Alarm Panel Wiring on 5 Zones with 2 nos alarm zone  | 1.00       | No.  | 10000.00       | 10000.00   | 10000.00  | 17000.00                          |
| 18.00 | Mini and Handly wireless switch unit   | 2.00       | No.  | 400.00         | 300.00   | 700.00    | 600.00                            |
| 19.00 | Panel Type Fixed Type release heat detector with Junction Box  | 24.00      | No.  | 4000.00        | 800.00   | 12000.00  | 11600.00                          |
| 20.00 | Online Monitor Control Panel 2 Axis  | 1.00       | No.  | 18000.00       | 800.00   | 8000.00   | 8000.00                           |
| 21.00 | DNB Manual Lock-out Valves with supervisory limit Switch   | 3.00       | No.  | 37000.00       | 3700.00  | 30000.00  | 28700.00                          |
| 22.00 | DNB Manual Lock-out Valves with supervisory limit Switch   | 3.00       | No.  | 36000.00       | 3600.00  | 30000.00  | 28000.00                          |
| 23.00 | Work Part- Dump Test of CO2 System through Discharge into in Main Sump   | 880.00     | kg   | 100.00         | 337.00   | 88000.00  | 84277.00                          |

Executive Engineer

Nodal Committee Member

E.R. RAJAVIJAYUT SUDHAKAR PRASAD Ltd.  
 Chittoor District Co-operative Societies



| Sl. No.  | Description of work         | Unit | Rate | Quantity | Amount    | Total     |
|--|-----------------------------|------|------|----------|-----------|-----------|
|  | Renewing of existing system |      |      |          |           |           |
|  |                             |      |      |          |           |           |
|  |                             |      |      |          |           |           |
|  | <b>Total in Figure</b>      |      |      |          | 504225.00 | 504225.00 |
| (Rs. Fifty Nine Lacs Seventy Five Thousand Nifty Seven Only) |                             |      |      |          |           |           |

*asf*  
**Executive Engineer**  
 Hydro Generation Division  
 M.P. PARA VIDYUT UTPADAN NIGAM Ltd.  
 Chinn, Subikshi Bagh (Jabalpur)



*Chinn*  
 1  
 10/10/2010 (10/10/2010)

260

# U.P. Jal Vidyut Nigam Limited.

CIN NO. U31901UP1985SGC007135  
GST NO. 09AAACU4797P6Z8



## AGREEMENT DOCUMENT

- AGREEMENT NO. :- 35 HGD/2023-24 DATED 18/03/24
- DATE OF START :- As per Shutdown
- COMPLETION OF WORK :- 60 Days.
- NAME OF WORK :- Major overhauling and repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khara Power House.
- AGREEMENT VALUE :- Rs. 30,64,292.00
- TENDER NOTICE NO. :- T-48/HGD/2023-24
- 1 NAME OF CONTRACTOR :- M/s Pentax Engineers & Suppliers  
3/1113/4 Chowk Khanalampura  
Saharanpur.

OFFICE OF THE EXECUTIVE ENGINEER  
HYDEL GENERATION DIVISION, KHARA BADSHAHI BAGH,  
U.P. JAL VIDYUT NIGAM LTD.  
BADSHAHIBAG, SAHARANPUR - 247122

(Name)  
Executive Engineer (H&G)

Index

| Sl. No. | Particulars                          | Page No. |
|---------|--------------------------------------|----------|
| 1       | Acceptance                           | 01       |
| 2       | Sapath Patra                         | 03       |
| 3       | Agreement                            | 04-05    |
| 4       | BOQ                                  | 06       |
| 5       | Special Condition                    | 07-08    |
| 6       | Technical Specification              | 09-11    |
| 7       | General Condition of Contract Form A |          |

1  
Chaitanya  
(2024/01/15)  
For signature (10/10/2024)

उ. प्र. जल विद्युत निगम लि.  
UTTAR PRADESH JAL VIDYUT NIGAM LIMITED  
(A U.P. Govt. Enterprises)  
GSTIN-09AAACU4797P6Z8

कार्यालय अधिसाथी अधिनियम  
जल विद्युत उत्पादन संच  
खारा-बादशाहीबाग (सहारनपुर)  
पिन कोड - 247122



Office of the Executive Engineer  
Hydel Generation Division, Khara  
Badshahbag, (Saharanpur)  
Pin Code - 247122

Head Office: 12<sup>th</sup> Floor, Shakti Bhawan Bldg., 14-Ashok Marg, Lucknow.

पत्रांक / जाविदखत/टी.-48/एच.जी.सी./2023-24 दिनांक

को एनटीएस इन्फोमिडेशन एक्ट सार्वजनिक,  
3/1113/4, लोक सभ्यालयमयुक्त,  
सहारनपुर (50500)।

विषय :- विविदा लीडरशिप के सम्बन्ध में।

इस कार्यालय के विविदा शुभण सं T-48/HGD/2023-24 के अंतर्गत "Major overhauling and repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khara Power House. से सम्बन्धित कार्य हेतु आप द्वारा दी गयी विविदा जो कुल रु 30,64,292.00 परतु एवं सेवा कर अधिविदा भी है, विविदा समिति द्वारा लीडरशिप कर ली गई है। अतः आप निम्न प्रपत्र लेकर दिनांक 18.03.2024 तक इस कार्यालय में अनुमति हेतु उपस्थित करें एवं कार्य प्रारम्भ करने की तिथि यहाँ से सहायता के आदेश पर निर्गत कर दी जायेगी।

1. अनुमति हेतु रु 100.00 का स्टाम पेपर।
2. सार्वजनिक प्रशासन न्यायालय के निर्देशों के अनुसार नये अनुमति पत्रों का सहायता के सहायता सं CC-287/24 टी-3-2006 दिनांक 19 जनवरी 2007 अनुसार अवरोध स्टाम शुल्क अदायगी हेतु रूपक पर (सुप्रीम सभिन पर सं) सनि 5-3690/ सार्व-2006-500(119)/2006 दिनांक 4.10.2006।
3. पुप सौम।

अगर आप उपरोक्त तिथि तक अनुमति हेतु उपस्थित नहीं होते है तो आपके द्वारा जमा की गयी धरोहर रशि जमा कर ली जायेगी तथा इस सम्बन्ध में आगेका कोई दावा मान्य नहीं होगा।

(सुन्दरान प्रसाद)  
अधिसाथी अधिनियम

पत्रांक 1192 / जाविदखत/टी.-48/एच.जी.सी./2023-24 दिनांक 04-3-24

प्रतिनिधि निम्नलिखित को शुभण एवं आदेशपत्र कार्यवाही हेतु प्रेषित-

1. अधिसाथ अधिनियम जल विद्युत उत्पादन संच खारा बादशाहीबाग (सहारनपुर)।
2. सहायक अधिनियम/अनुमति अधिनियम (संज्ञिक), जल विद्युत गृह।
3. सार्वजनिक लेखाकार, जल विद्युत उत्पादन संच बादशाहीबाग।
4. अनुमति हेतु।

(सुन्दरान प्रसाद)  
अधिसाथी अधिनियम

*Handwritten signature and stamp*  
अनुमति (एच.जी.सी.)





सत्यमेव जयते

INDIA NON JUDICIAL

Government of Uttarakhand

₹100

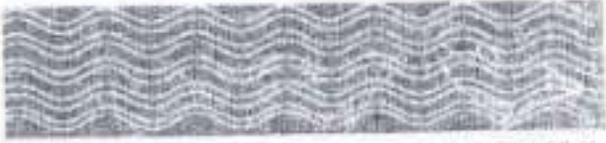
Stamp

Certificate No. : IN-UK099762-709482W  
 Certificate Issued Date : 04-Mar-2024 04:31 PM  
 Account Reference : NORDAC (S) / 19-12710004 VIKAS NAGAR/UK-OH  
 Unique Doc. Reference : SURPL/UKIT27/NO/24/092203/565276W  
 Purchased by : PENTAX ENGINEERS AND SUPPLIERS  
 Description of Document : Affidavit/Declaration  
 Property Description : FOR SUCCESSORS  
 Consideration Price (Rs.) : 0  
 (Zero)  
 First Party : PENTAX ENGINEERS AND SUPPLIERS  
 Second Party : U.P.NL  
 Stamp Duty Paid By : PENTAX ENGINEERS AND SUPPLIERS  
 Stamp Duty Amount (Rs.) : 100



IN-UK099762-709482W

सत्यमेव जयते  
 ई-स्टाम्प विभाग  
 606 विकासपुर (सहरनपुर)



₹100

IN-UK099762-709482W

**AGREEMENT NO..... /HGD/UPJVNL/2023-24 FOR**  
**"Major overhauling and repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khara Power House."**  
**(AGAINST TENDER SPECIFICATION NO. T-48/HGD/2023-24)**  
**Contractor- M/s Pentax Engineers & Suppliers 3/1113/4 Chowk Khansalumpura Saharanpur,**

*Signature*  
 Executive Engineer  
 Hydro Generation Division  
 U.P. Jal Vidyut Nigam Ltd  
 Badshahi Bag (Saharanpur)

*Signature*  
 For Pentax Engineers & Suppliers

*Signature*  
 Prof.

Agreement T-48 2023-24

**Statutory Alert:**

1. The authenticity of this stamp certificate should be verified at [www.e-stamp.gov.in/](http://www.e-stamp.gov.in/) or using eStamp Mobile App of State Printing. Any discrepancy in the details of this Certificate will be available on the website. Mobile App version is available.
2. The issue of drawing the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

AGREEMENT NO. 35 /HGD/UPJVNL/2023-24 FOR  
"Major overhauling and repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khara Power House."

(AGAINS TENDER SPECIFICATION NO. T-48/HGD/2023-24)

This agreement made on dated 16/05/24 between M/s Pentax Engineers & Suppliers 3/1113/4 Chowk Khasalampura Saharanpur hereinafter referred to as "The Contractor" of the one part & Executive Engineer, Hydel Generation Division, U.P. Jal Vidyut Nigam Ltd., Khara, Badshahbagh (Saharanpur) hereinafter called "The Purchaser" of the other part.

WHEREAS the Purchaser is about to get the work of "Major overhauling and repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khara Power House." (herein after called "the said work"). And the purpose mentioned of enumerated or referred to the certain terms & conditions, General Conditions, Special Conditions, technical specifications, schedules, covering letter and schedule of prices which for the purpose of identification have been signed M/s Pentax Engineers & Suppliers 3/1113/4 Chowk Khasalampura Saharanpur, (the Engineer of the UPJVNL Ltd.) on behalf of the U.P. Jal Vidyut Nigam Ltd, and all of which shall form part of this contract as through separately set out herein and are included in the expression "Contract" wherever herein used.

AND WHEREAS the purchaser has accepted the tender of the Contractor for the provision & execution of the said works for the sum of Rs. 30,64,292.00+GST Extra (Rs. Thirty Lac Sixty Four Thousand Two Hundred Ninety Two Only) under the terms & subject to the condition hereinafter mentioned.

Now these witness and the parties hereto hereby agree and declares as follows:-

That is to say, in consideration of the payment to be made to contractor by the purchaser as hereinafter mentioned the Contractor shall duly provide the said works and shall do and perform all other works and things in the contract mentioned or described or which are implied there from or therein respectively or may be reasonably necessary for the completion of the said works within and as the times and in the matter and subject to terms, conditions and stipulated mentioned in the said contract.

AND in consideration of the due provision of as per specification a sum of Rs. 30,64,292.00+GST Extra (Rs. Thirty Lac Sixty Four Thousand Two Hundred Ninety Two Only) or such other sum as may become payable to the contractor under the provision of the contract "Major overhauling and repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khara Power House" such payment to be made at such time and in such manner as is provided by this contract.

In case of any conflict or inconsistency in special condition of contract & General Condition of form 'A', the condition given in Special condition of contract shall prevail.

The date of start of work under this contract shall be reckoned as per letter of intent issued vide this office letter No. 1192/HGD/T-48/2023-24 dated 04.03.2024 and the date of start is as per shutdown.

In witness whereof the parties here to have signed this deed hereunder on the date respectively mentioned against the signature of each.

Signature of Contractor  
With seal

Witness :-

For Pentax Engineers & Suppliers

Executive Engineer

Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Badshah Bag (Saharanpur)

1  
Khasalampura  
(Name of contractor)  
The address (if it is not)

SPECIAL CONDITIONS OF THE CONTRACT

**NAME OF SUPPLY :** Major overhauling and repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khura Power House.

**1. GENERAL**

These special conditions of the contract shall be read and construed along with the annexed general conditions of contract form "A" (modified by the provision here of) but if, there is any conflict or inconsistency between the provision hereof and those contained in general condition, the special conditions shall prevail.

**2. SCOPE OF WORK :-**

The scope of work involved, as per schedule of rates & quantity, scope of work and technical specification as enclosed.

**3. TIME FOR COMPLETION :-**

The work covered under scope of work shall be for a period of ~~30~~ <sup>88</sup> Days from the date of start of work.

**4. DATE OF START OF WORK :-**

The date of start of work under this contract shall be intimated by Executive Engineer.

**5. LEVY OF PENALTY :-**

A penalty @ 1/2% per week subjected to maximum of 10% of total value of the contract for delay in works beyond the time of completion shall be levied.

**6. ACCIDENT/ DEATH OF WORKER :-**

The contractor shall be responsible for payment of accidental benefit and compensation in case of death/injury of any worker engaged by him, as per provision of rules/ order of the govt. under the compensation act, No. liability whatsoever will be acceptable by the U.P. Jal Vidyut Nigam Limited.

**7. INSURANCE :-**

As per Sl. No. 22 of Form "A".

**8. PERMISSION FOR ENTERING INTO POWER STATION :-**

The contractor shall obtain permission cards for himself and for his other engineers and staff/workers to enter into power station premises/ area for execution of the work. The contractor shall take full responsibility for the good conduct of his staff/workers engaged for the execution of the job.

**9. TERMINATION OF THE CONTRACT :-**

On 15 days notice the contract can be terminated. Also the contract can be terminated at any time in case it is found that the work is not being carried out to the terms and conditions of the contract.

Under such condition, the complete work will be got done through other agency and all such extra expenditure incurred will be debited to the contractor's account.

**10. TRANSPORTATION OF MEN & MATERIAL:-**

Contractor will make his own arrangement for the transportation of his men and material to work sites and back. Site storage facility will be provided to the contractor free of cost.

**11. TAX:-**

- (a) Income tax as applicable, shall be deducted from the bill
- (b) GST shall be paid extra as per applicable rules.

**12. TERMS OF PAYMENT:-**

- (a) 90% payment shall be released against running bill of the contractor .  
Running bill will not be less than 25% of contract value.
- (b) Balance 10% payment shall be released after expiry of performance guarantee period (12 months from the date of completion of the work).

Or

100% payment shall be released on submitting FDR/CDR of balance 10%.

- Note:** (i) Any delay in payment will not be admissible for any penalty  
(ii) Execution of work can not be affected for the reasons of delay in payment

**13. VARIATION IN QUANTITY OF WORK:-**

The quantities are approximate and may vary upto +10% of contract value but may vary up to any extent in lower side.

**14. RATES :-**

No escalation of rates over the finally accepted rates for work shall be allowed during the pendency of contract.

**15. Working Hours**

The work shall be carried out on the site on normal working hours. The works can be allowed to be carried out during night, Sundays or authorized holidays in order to enable the contractor to meet the schedule targets and the work shall require almost round the clock working keeping in view:

- (i) The provisions of relevant labour laws being adhered to;
- (ii) Adequate lighting, supervision and safety measures are established to the satisfaction of the Purchaser and

**16. OTHER TERM AND CONDITIONS:-**

- a. The contractor shall remain liable to remove the defect that may develop in the works arising solely from the faulty workmanship.
- b. The engineer-in charge shall have the right object employment or presence of any person, labour employed by the contractor for non compliance, negligence, misconduct of being considered undesirable in the interest of work and of receipt of such of objection, the contractor shall be bound to remove such person from the work areas.

- e. The contractor shall not be entitled for any claim caused by removal of person(s) as aforesaid.
- d. If for some reason, the department is unable at any time to clear the site and the work has to be stopped, the contractor shall not be entitled to any monetary claim arising out of such circumstance. He shall however be granted time limit extension to the extent, for such period during which the work remained suspended.
- e. All the specification in respect of the entire item is subject to alternations as per direction in writing of the Engineer-in-charge. In case of any dispute regarding specification, the decision of Executive Engineer, Hydel Generation Division Khara Power House, Badshahibagh (Saharanpur) shall be final and binding.
17. The contractor shall be fully responsible for any sort of accident or injury to the labour while on duty and he will take all possible measures to ensure that no such event is occurred. However, in case of any accident of any nature, during the execution of the above work, the department will not be held responsible or liable to make any compensation to contractor's labour.

**18. GENERAL:-**

All the disputes arising out of and touching or relating to the subject or later on this agreement shall be subject to the jurisdiction of the local courts of Saharanpur and High Court of judicature at Allahabad.

- 18.1 In case of any loss or damage to Nigam's property during the execution of work due to negligence on the part of contractor's artisan / labour, the contractor has to bear the charges of these losses as assessed by the Executive Engineer, Hydel Generation Division, Khara Power House Badshahibagh (Saharanpur). In this regard, the decision of Executive Engineer will be final and binding on the part of contractor.
- 18.2 The contractor will observe all the EPF rules and regulations of Factory, Act, Workman Compensation Act., Minimum wages Act., 1948 and contract labour (Regulation and Abolition) Act 1970 amended from time to time and rules framed there under Etc.

**19. NOTICE TO CONTRACTOR :-**

Any notice may be given to the contractor if the UP JVNL Engineer think fit to be posted to his address or handed over to his authorized representative. Such posting or acknowledgement shall be deemed to have been served such notice and the time mentioned and the general conditions for doing any act after notice should reach him in normal course.

**20. AGREEMENT :-**

The successful tenderer shall have to executive an agreement for completing the work according to these specifications on Stamp Paper worth Rs. 100.00 only which will be provided by him at his own cost within ten days of receipt of letter in this reference.

**21. GUARANTEE :-**

The works under the Scope of work and Technical specifications shall have to be guaranteed for satisfactory performance upto twelve months from the date of completion of work under contract.

22. If work allotted /awarded, a affidavit on stamp paper of Rs. 10.00 is to be submitted for exemption of stamp duty.

**23. TERMINATION OF CONTRACT :-**

- a. The Purchaser may terminate the Contract if the Contractor causes a breach of the Contract.
- b. Breaches of Contract include, but are not limited to:
- The Contractor stops work for 15 days when the stoppage has not been authorized by the Purchaser;
  - The Contractor becomes bankrupt or insolvent, goes into liquidation, has a receiving or administration order made against him, compounds with his creditors, or carries on business under a receiver, trustee or manager for the benefit of his creditors, or if any act is done or event occurs which (under any applicable law) has a similar effect to any of these acts or events,
  - The Purchaser gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Purchaser; and
  - Abandons or repudiates the Contract.
  - The Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined.
  - If the Contractor, in the judgment of the Department has engaged in fraudulent practices in competing for or in the executing the Contract.
- c. The Purchaser may upon such termination complete the Works by any other persons or by any other Contractor.

  
Executive Engineer

Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Badrinath Bag (Sohawalpur)

Signature of Contactor  
With seal

For Postman (Signature of Contactor)

  
Prop.

  
Tribin Das  
Proprietor (U.P. Jal Vidyut Nigam Ltd)

### Technical Specifications / Scope of Work

**Name of Work-Major overhauling and Repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khara Power House.**

**Tender Specification:- T-48/HGD/2023-24**

The Technical specifications/scope of work shall include the following points:

1. **Repairing and Overhauling of all Back Guide Rollers (12 Nos.) of Intake Gate of machine No. 01 at Khara Power House.**
  - a. Dismantling all back guide rollers from Intake Gate of Machine no.1.
  - b. Dismantling all parts of back guide rollers and cleaning by H.S.D Oil after removing dust, dirt, rust and old grease etc.
  - c. Checking of Exposure of cavities/corrosion on Roller wheels and Pins.
  - d. Removal of all cavities/corroded surface on Roller wheels and Pins by deposition of metal by arc welding or by other methods, then machining, grinding and surface finishing with polishing to achieve the correct size of Roller wheel.
  - e. Repair all old parts such as bearing retainer, cover plates, clamp plate/Keeper plates etc. by metal deposition through arc welding or by other methods and then machining, grinding and surface finishing with polishing to the correct size and change them with new one if found defective/damaged.
  - f. **Replacement of all old parts of Back Guide Roller such as bearings, bush, spacers, seals, gasket, grease nipples, locating rings, screws, nut-bolts & washers etc. with new one.**

The specifications & quantity of major supply items:

| S. No. | Particulars   | Unit | Qty   |
|--------|---|------|---|
| 1      | Bearing (23132) (SKF/FAG make only)                               | No.  | 12  |
| 2      | Seal/seal retainer, Locating rings, Grease Nipple (as per sample) | No.  | Replace all, existing in Back Guide Roller assemblies |
| 3      | Bush & Spacer (as per sample)                                     | No.  |   |
| 4      | Screws, Nut-bolts with washer (as per sample)                     | No.  |   |

- g. Re-assembling and refitting of all parts of Back Guide Rollers after cleaning by H.S.D Oil & applying suitable bearing grease.
- h. Re-assembling and Refitting of Back guide rollers in gate after repairing of roller track seat by metal deposition by arc welding or by other methods and then machining, grinding and surface finishing with polishing to the correct size and proper alignment of rollers with roller track seat including making arrangement for proper completion of work.

**2. Repairing and Overhauling of Side Guide Rollers (04 No.) of Intake Gate of machine No. 01 at Khara Power House.**

- Dismantling of Side guide rollers from intake gate of Machine no.01.
- Dismantling all parts of side guide rollers, cleaning by H.S.D Oil after removing dust, dirt, rust and old grease etc.
- Checking of Exposure of cavities/corrosion on side rollers and pins.
- Removal of all cavities/corroded surface on side rollers and pins by metal deposition by arc welding or by other methods and then machining, grinding and surface finish with polishing for achieving the correct size.
- Replace old gun metal bush, spacer rings & Nut - bolts & washers with new one.

The specifications & quantity of major supply items:

| S.No. | Particulars                           | Unit | Qty   |
|-------|---------------------------------------|------|---|
| 1     | Bush (as per sample)                  | No.  | 4.00  |
| 2     | Spacer (as per sample)                | No.  | 8.00  |
| 3     | Nut-bolts with washer (as per sample) | No.  | Replace all, existing in Side Roller assemblies |

- Re-assembling and refitting of all parts of Side guide rollers after cleaning by H.S.D Oil & applying suitable grease.
  - Re-assembling and refitting Side guide rollers in gate after repairing T-guides by metal deposition by arc welding or by other methods and then machining, grinding & surface finish with polishing and making proper alignment of rollers with T-guides.
- 3. Repairing and Overhauling of Rope Drum Gear box assembly, Gate position indicator gear mechanism, Radicon gear box assembly, Hand drive unit, Plummer blocks, Couplings, Rope drum Housing of Intake Gate of machine No. 01 at Khara Power House.**
- Dismantling of Rope drum gear assembly, Gate position indicator gear mechanism, Radicon gear assembly & all parts of assemblies.
  - Proper cleaning of all dismantled parts by H.S.D. oil after removing of dust, dirt, rust and old grease etc.
  - Repairing of Old and damaged parts by metal deposition by arc welding or by other methods and then machining, grinding and surface finish with polishing for achieving the correct size.
  - Checking of Gear profile after dismantling & repairing of Gear profile to the correct shape & size if found damaged.
  - Overhauling by changing of all old parts such as bronze bush/sleeve, damaged/defective bearings, key, spacer, gasket, seal/seal retainer, brass grease nipple, screw, nut & bolt, washer etc. of Gear box assembly, Gate position indicator gear mechanism & Radicon Gear assembly.

- f. Re-assembling & Re-fitting of Rope drum gear box assembly, Gate position indicator gear mechanism & Radicon Gear assembly & all their parts after cleaning and applying suitable bearing grease and filling gear oil in Radicon gear assembly with proper alignment.
- g. Repairing & Overhauling of Hand Drive unit, Couplings (04 nos.) by repairing of parts and by changing of parts if found damaged.
- h. Dismantling of Plummer blocks (04 nos.), rope drum support housing (04 nos) & it's all parts.
- i. Cleaning of all dismantled parts of Plummer blocks, rope drum support housing (04nos) by H.S.D. Oil after removing of old grease layer, dust, dirt, rust and old grease etc.
- j. Repairing & overhauling of old damaged parts by metal deposition by arc welding or by other methods and then machining, grinding and surface finish with polishing for achieving the correct size.
- k. Replacing Plummer block bearings, housing accessories, nut & bolt, washer etc.
- l. Replacing all bushes, spacers, nut-bolts & washer rope drum support housing.
- m. Re-assembling & Re-fitting of Plummer blocks, rope drum support housing & their parts after applying suitable bearing grease with proper shaft alignment.
- n. Supply & fixing of transparent fiber glass sheet on Analog Gate position indicator.

The specifications & quantity of major supply items:

| S.No. | Particulars  | Unit | Qty                                  |
|-------|--|------|--------------------------------------|
| 1     | Plummer block bearings (2316 K SKF/FAG make only) & all housing accessories of Plummer block No. SNA-616TA or latest standard make | No.  | 04                                   |
| 2     | Gear oil (Servo-mesh SP-320)   | L    | 20                                   |
| 3     | Transparent fiber glass sheet (1mx1m, 5 mm thick)  | No.  | 01                                   |
| 4     | Bush / Sleeve, Spacer & Brass Grease nipple (as per sample)  | No.  | Replace all, existing in assemblies. |
| 5     | Seal/ seal retainer/gasket (as per sample)   | No.  |                                      |
| 6     | Screw, Nus-bolts with washer (as per sample)   | No.  |                                      |

4. Repairing and Overhauling of Drive arrangement for limit switch, Motor & DC Electromagnetic Brake Assembly and Centrifugal Brake Assembly & Enamel painting work on complete Hoist assembly and support/base frames on intake structure (approx. area 100 sq. meter) of Intake Gate of machine No. 01 at Khara Power House.

- a. Dismantling of cam limit switch assembly.
- b. Dismantling of box, cover plate, terminals etc. & drive arrangement such as shaft, Bearing, Gear etc.
- c. Removing dust, dirt, rust & proper cleaning of dismantled parts by H.S.D. oil.
- d. Re-Fitting of dismantled parts by changing all old nut-bolts & washer, screw etc. with proper alignment.
- e. Assembling and Re-fitting of cam limit switch assembly.
- f. Dismantling of Induction motor & blowing out dirt, dust from windings & motor body & then cleaning by H.S.D oil.
- g. Replace motor bearings (as per sample).
- h. Applying Insulating Varnish on Motor windings.
- i. Dismantling & replacement of rusted coupling bolt between induction motor and Radicon gear box assembly.
- j. Dismantling and repairing of D.C. electromagnetic brake shoe by replacement of its old liner as per sample.
- k. Replacement of old compression spring, old nut & bolts of electromagnetic brake assembly as per sample.
- l. Assembling with replacement of brake liner, springs, old nut and bolts of centrifugal brake.
- m. Assembling and Re-fitting of Induction motor, its coupling and brake assembly with proper alignment.
- n. Applying one coat of red oxide primer and two coats of enamel paint of smoke gray shade on approximate surface area 100 sq. m with surface preparation of complete Hoist assembly and support/base frames on intake structure of Intake Gate of machine No. 01 at Khara Power House in following manner:
  - i. The scraping of old paint, grease or oil, rust, dust and dirt on the surface to be painted shall be done by using paint remover, wire brush, sand paper, or by any other suitable chemical agent.
  - ii. The surface thus prepared shall be got checked by Engineer-in-Charge or his authorized representatives to their satisfaction and then first coat of red oxide primer of Berger/Asian/Nerolac/Indigo make shall be applied.
  - iii. The first coat of superior quality ready mixed enamel paint of smoke gray shade of Berger/Asian/Nerolac/Indigo make shall be applied on the surface only after complete drying of primer (i.e. 24-48 hours after the application of primer or as decided by the Engineer-in-Charge or his Representatives considering the condition of the surface).
  - iv. The second coat of superior quality ready mixed enamel paint of Berger/Asian/Nerolac/Indigo make shall be applied on the surface only after complete drying of first coat (i.e. 24-48 hours after the application of first coat or as decided by Engineer-in-Charge or his Representatives considering the condition of the surface).

- v. The paint shall be prepared in the manner recommended by the manufacturer.
- vi. All the loose flats/pipes of railings at the top of intake gate structure shall be welded properly before starting of painting work.
- vii. Proper arrangement i.e. scaffolding or any other secure arrangement shall be done for the labour by the contractor which shall perform the work of painting as the same involves the working at a considerable height.
- viii. The contractor shall involve such labour who must be capable of doing the painting work at a height.
- ix. The surface after painting shall be uniform, even and smooth.
- x. The measurement for payment shall be done in square-meter of area actually painted as per the provision given in the contract agreement.

**5. Supply, Fixing and calibration of new gate level Indicator transducer & Main display with complete Mechanism and its Control Cable, Other Control cables & Power cable from intake gate structure to local control panel of Intake gate of machine no. 01 at Khara Power House.**

- a. Dismantling of old and damaged gate level indicator mechanism at Intake Gate & Main display at Control room of KPH and its Old and damaged Control Cable.
- b. Supply, Fixing of new gate level indicator (Transducer) with complete Mechanism.
- c. Supply & fixing of control cable from gate level indicator (Transducer) to remote control panel at control room of KPH.
- d. Supply & fixing of main display of new gate level indicator assembly in control room of KPH.
- e. Proper testing and setting of new gate level indicator (Transducer) with complete Mechanism and display of new gate level indicator in control room shall be done till the satisfaction of Engineer-in-charge.
- f. Supply & fixing of new power cables for hoist motor and control cable from local control panel at Intake to Intake gate structure after dismantling old and damaged cables of one no. gate.

**The specifications & quantity of major supply items:**

| S. No. | Particulars  | Unit  | Qty |
|--------|--|-------|-----|
| 1      | Gate level indicator (Transducer) with complete mechanism                      | No.   | 01  |
| 2      | Gate level indicator display Assembly (Single phase, 230 V AC, 50 Hz)          | No.   | 01  |
| 3      | control screen copper cable (05 core x 1.0 sq. mm multi-strand Armoured cable) | Meter | 500 |
| 4      | Power cable AYYF 3 core x 16 sq. mm  | Meter | 25  |
| 5      | Control Cable (YRY 2 cores x 1.5 sq. mm)                                       | Meter | 60  |
| 6      | Control Cable (YRY 7 cores x 1.5 sq. mm)                                       | Meter | 25  |

g. The power cables & control cables make should be Polycab/Havells/RR/Kei Anchor cables only.

**6. Repairing& overhauling of Main wire rope pulleys from Gate (04 Nos.) and Hoist (02 Nos.) of Intake Gate of machine No. 01 at Khara Power House**

- a. Dismantling Main wire rope pulleys from Gate (04 Nos.) and Hoist (02 Nos.).
- b. Dismantling all parts of pulleys, removing dust, dirt, rust and old grease and then cleaning by H.S.D Oil.
- c. Repairing of old & rusted parts of pulley by metal deposition through arc welding and then machining, grinding and surface finishing for achieve the correct size.
- d. Overhauling by repairing old parts such as bearing retainers, pins, keeper plates, fixing plates, lock plates lifting plates and rope guards etc. and replace with new one if found damaged/defective.
- e. Replace all old parts (as per sample) such as bronze sleeves, spacers, rubber simmer rings, seals, gasket, brass grease nipples, screws, nut-bolts& washers.
- f. Supplying and fixing new Roller bearing in place of old and damaged bearings.

The specifications & quantity of major supply items:

| S.N. | Particulars   | Unit | Qty                                    |
|------|---|------|--|
| 1    | Bearing (22219CCW33) (SKF/FAG make only)  | No.  | 6.00                                   |
| 2    | Bronze Sleeves, Spacers, Rubber Simmer rings, Seals, Gasket, Grease nipple(brass), screws, Nut - bolts & Washers etc. (as per sample) | No.  | All existing in main pulley assemblies |

g. Re-assembling and re-fitting after cleaning by H.S.D Oil & applying suitable bearing grease on all parts of pulleys after proper alignment and including making arrangement for fixing and aligning all pulleys.

**7. Repairing & overhauling of Balancing wire rope pulleys (02 Nos.) from hoist of Intake Gate of machine No. 01 at Khara Power House.**

- a. Dismantling of balancing wire rope pulleys from hoist by making proper arrangements.
- b. Dismantling all parts of pulleys, removing dust, dirt, rust and old grease and then cleaning by H.S.D Oil.
- c. Repairing of old & rusted parts of pulley by metal deposition by arc welding or by other means and then machining, grinding and surface finishing with polishing.
- d. Overhauling by repairing old parts such as damaged pin, keeper plates and fixing plates etc. and replace with new one if found damaged/defective.
- e. Replace all old parts(as per sample) such as bronze bush, spacer, grease nipple, screws, nut-bolts & washers.
- f. Assembling and re-fitting after cleaning and greasing of all parts of balancing pulley.

  
 (Name of official)  
 (Designation)

  
 (Name of official)

- g. Fixing and aligning of balancing pulleys at hoist at intake gate of machine No.1 by making proper arrangement.

**8. Supply and fixing of New Galvanized Steel wire rope of Intake gate of Machine no.1 at Khara Power House.**

- Dismantling of old steel wire rope from all the pulleys and rope drum with safety measures.
- Supplying, fixing and proper alignment of new Steel wire rope with the help of Jhoola and/or any other arrangements and with safety measure at Intake Gate of Machine no.1.
- Repair/Replace (as per sample) all rope clamps if found damaged.
- Replace (as per sample) all nut-bolts with washers of rope clamps.

The specifications & quantity of major supply item (new Steel wire rope):

| S. No. | Specification of Supply<br>(Steel Wire Rope)   | Quantity<br>(meter) | Remark   |
|--------|--|---------------------|--|
| 01     | <ul style="list-style-type: none"> <li>• Galvanized</li> <li>• Fibre core</li> <li>• Perfomed &amp; Improved Flow</li> <li>• Right Hand Lang's Lay</li> <li>• Construction-6x36</li> <li>• Diameter-26 mm</li> <li>• Tensile Designation -T.S. 1960 N/13 mm</li> </ul> | 200                 | Usha-Martin make only with conforming to IS 2266:2002. |

- Applying suitable cadmium compound of standard make on wire rope on entire length after complete cleaning of rope drum and fixing new wire rope.
- If new wire rope elongates or breaks or get damaged due to any reason within the duration of one year, the same wire rope has to be replaced with new wire rope of same make by the contractor free of cost.

**9. Sand blasting and Epoxy painting of one no. Intake Gate (size 5.9meter x 6.5 meter) of Intake gate of machine No. 01 at Khara Power House. (Approximate Surface Area-260 square meter).**

The work shall be done in strict confirmation to the following points:

- Sand blasting of old and rusted surface of intake gate.
- After sand blasting, the old paint, silt, dust and rust on surface shall be completely removed/chipped off and cleaned with the help of wire brush, sand paper, fine brush and by suitable paint remover.
- All other contaminants shall be removed by the use of an appropriate chemical solvent such as Kerosene oil, aromatic solvent such as mineral spirit or white gasoline.

- d. Repairing of damaged & rusted parts of intake gate by metal deposition by arc welding or by other means and then machining, grinding and surface finishing with polishing.
- e. All the loose parts of intake gate shall be welded properly before starting of painting work.
- f. Grease and oil on the surface shall be removed by using degreasing solvent, the surface thus prepared shall be checked and approved by the Engineer-in-Charge or his Representatives and thereafter two coats of epoxy Zinc rich primer EP-4/ Epoxy 610 shall be applied on the surface.
- g. In the event of rust formation on the surface in the interval between cleaning and painting, re-cleaning shall be done.
- h. After drying up of epoxy zinc rich primer, first coat of Epilux-5 coal-tar epoxy paint of Berger/Nerolac/Asian paints shall be applied.
- i. After drying up of first coat of Epilux-5 coal-tar epoxy paint, second coat of Epilux-5 coal-tar epoxy paint of Berger/Nerolac/Asian paints shall be applied on the surface.
- j. It must be noted that the primer and paint shall be applied only after preparation of surface. Surface shall be made free from rust, old paint, silt, dust, grease etc. and moisture at the time of painting except as otherwise specifically approved, each coat shall be allowed to dry or harden before the application of succeeding coat.
- k. The first coat of epoxy primer shall be applied by spray or by other suitable means within one hour of cleaning of surface. The primer shall be applied as per the coverage area as recommended by the paint manufacturer to achieve dry film thickness of about 25-35 microns. The quantity of mixing material shall have to be applied within 4-6 hours of mixing time. The primer coat shall be allowed to become dry for atleast 24 hours or more as per the satisfaction of Engineer-in-Charge or his Representatives.
- l. Painting shall be done by Epilux-5 coal-tar epoxy paint of Berger/Nerolac/Asian paints only when two coats of primer get dried up after a minimum period of 24 hours of application of primer. The coal-tar epoxy paint shall be prepared by mixing the base and catalyst in the specific ratio by volume (3:1). Mixture shall be allowed to mature for 60 minutes before being used. The coverage of this paint shall be as per the recommendation provided by the paint manufacturer to form the film thickness of about 100-125 microns. The second coat of the paint shall be done after the first coat had dried up for a minimum period of 24 hours or more as per the satisfaction of Engineer-in-Charge or his Representatives. The period may be extended more due to excessive humidity in the weather. The paint shall be applied within 4-5 hours after mixing of base and the catalyst.
- m. Special arrangements of jhoola and other required necessary arrangements shall have to be done by the contractor to approach the surface of the

mentioned intake gate. The contractor shall be fully responsible for making any arrangements for proper and satisfactory completion of the works.

- a. The measurement for payment shall be in square-meter of area actually painted as per the provision given in the contract agreement.
- a. The surface after painting shall be uniform, even and smooth.

**10. Replacement of rubber seal musical note, flat rubber seal with new SS bolts, MS clamping plate & Base plate Intake gate of Machine no.1 at Khara Power House.**

- a. Dismantling old and worn- out rubber musical note seal and flat rubber seal from gate by gas cutting of old, rusted, jammed out, bolts, clamping plate and Base plate.
- b. Fitting of new musical knot and flat rubber seal with New SS nut- bolts and washers, MS clamping plate and Base plate after cleaning/removing silt, sand and rust on base plate of intake gate.

**The specifications & quantity of major supply items:**

| S. N. | Particulars  | Quantity | Minimum Specification Required                                      |
|-------|--|----------|---|
| 01    | Hollow Bulb Musical Note Rubber seal(as per IS:11855and IS:4622) | 20 m     | J-105mm, D-45 mm, d-25 mm,<br>t-12 mm.                              |
| 02    | Flat Rubber seal (as per IS:11855and IS:4622)                    | 07 m     | Cross section - 14mm x 86 mm  |
| 03    | Countersunk screw with nut and washers                           | 175 Nos. | Material SS, M16mm X 100 mm (125 Nos.) and M16mm X 125 mm (50 Nos.) |
| 04    | Clamp plate/Base Plate for Top, Side and Bottom seal             | 220 Kg   | Material MS, Size (as per sample)                                   |

**11. Providing & laying RCC cement concrete of M25 grade, approximate volume 16 cubic m to fill the cavity around the T-guide, roller track at both side and sill beam at the bottom of Intake gate of machine no-1 at Khara Power House.**

- a. Surface preparation at the cavity for filling RCC cement concrete by removing old damaged and loose concrete and rusted bar after cleaning of silt, sand, algae etc.
- b. Providing & laying of RCC to fill the cavity around the T-guide, roller track at both side and sill beam at the bottom of one number intake gate.

- e. Proper alignment and strengthening of beam, roller track and T-guide by anchoring shall also be done by the contractor.

**The specifications & quantity of major supply items:**

| S. No. | Particulars  | Quantity       | Minimum Specification Required |
|--------|--------------|----------------|--------------------------------|
| 01     | RCC material | 16 cubic meter | M25 grade                      |
| 02     | M.S TMT bar  | 100 Kg.        | Size-10 mm                     |

- d. The Quality of material for RCC filling work should be Superior and Ratio, mixing and strength of mixed material should be exact as per M25 grade.
- e. Contractor has to mix admixture (under-water sealing agent) in RCC mixture M25 Grade.
- f. Pressure Grouting may also be required for filling cracks and deep holes around T-guide, roller track at both side and sill beam of intake gate of machine no.01.
- g. Prior to mixing, the quality of material for RCC filling work shall be checked and approved by Engineer In-charge or his Representatives.
- h. Specimen test can also be done for RCC work of M25 grade as the requirement of Engineer In-charge. Cost of specimen test shall be borne by the contractor.
- i. Test results of specimen should be satisfactory and as per standard.
- j. Contractor has to supply M.S. TMT bar of SAIL/ TATA/ JSW/ESSAR / VIZAG make only.
- k. The quantity of supply items is approximate, it may vary.
- l. Proper arrangement i.e. scaffolding or any other secure arrangements shall be done for the labour for the work of filling RCC cement concrete.
- 12. Complete sealing of Stop log gate (04 pieces) by professional Divers for proper completion of concrete cavity filling work of Intake gate of machine no. 01 at Khara Power House.**
- a. All Stop log gates (04 Nos.) shall be lifted from the Stacking pit and be placed stop log gate sealing pit at intake gate no.01.
- b. The work shall require the involvement of highly expert divers, therefore, a team of highly expert and experienced divers shall be deployed for the job by the Contractor.
- c. The sealing of the stop log gates (04 pieces) shall be done in such a manner that the leakage from the gates must be completely stopped.
- d. The works shall be done to the satisfaction of Engineer In-Charge or his Representatives.
- e. After completion of Concrete cavity filling work, all Stop log gates (04 Nos.) shall be lifted from the stop log gate sealing pit and be placed in Stacking pit.

13. Any other work/supply/replacement of part, which is not covered above but is essential for Major overhauling and Repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01, shall be done by the contractor on his own cost and will deemed to be in scope of work.
14. Deposition of metal by means of arc welding or any other method on damaged/corroded portions shall be done as per standard size and quality.
15. DPT test can also be done for all new depositions of metal as the requirement of Engineer In-charge. Cost of DPT test shall be borne by the contractor.
16. Test results of DPT should be satisfactory of all new depositions of metal.
17. All the supply items should be standard/Branded make and as per standard tolerances.
18. All supply items should confirm their compliance with all related/applicable IS, ISO and ASME Standards etc. Compliance report/certificates of all major supply items can be asked for submitting as per requirement of Engineer In-charge.
19. All the work out replaced part/damage/defective parts/scrap shall be return to the Junior Engineer In-charge.
20. The unused supply items shall be handed over to Junior Engineer In-charge after successful completion of work.
21. The work shall be done with proper safety precautions such as safety nets, safety belts etc as per standard government norm.
22. All the required T&P, material, machinery, manpower, consumables & their transportation, loading & unloading & all other arrangements for proper and timely completion of works specified above from serial no.01 to 12 shall be arranged by the contractor at his own cost.
23. Prior to start of work, shut down will be arranged by Engineer In-charge or his Representatives depending upon the site conditions.
24. The complete Hoisting mechanism, gate level indicator mechanism including display and complete sealing of intake gate of machine no.01 shall be tested for its proper and smooth working after the completion of the works and if there arises any anomaly, the same shall be rectified by the contractor free of cost.

  
Executive Engineer

Director, Irrigation  
Tribal Sub-division, Baramulla  
P.O. Baramulla, Jammu & Kashmir  
191101

Signature of Contractor  
With seal

For   
P.P.O.

  
1/24/2014  
P.P.O. Baramulla (M.S. & S. S. S. S.)

SCHEDULE OF RATES & QUANTITIESTENDER SPECIFICATION NO. :- T-48/HGD/2023-24**NAME OF WORK :- Major overhauling and repairing of Intake Gate & Hoisting Mechanism of Intake Gate of Machine No. 01 at Khara Power House.**

| S. No. | Name Of Items   | Unit   | Rate      | Amount       |
|--------|---|--------|-----------|--------------|
| 1      | Repairing and Overhauling of Back Guide Roller from one no gate complete in all respect, including cost of all labour, transportation, material and T&P etc. of Intake Gate of machine No. 01 at Khara Power House.   | 12 Job | 95,312.00 | 11,43,744.00 |
| 2      | Repairing and Overhauling of Side Guide Roller from one no gate complete in all respect, including cost of all labour, transportation, material and T&P etc. of Intake Gate of machine No. 01 at Khara Power House.   | 04 Job | 24399.00  | 97596.00     |
| 3      | Repairing and Overhauling of Rope Drum Gear box assembly (02 nos), Gate position indicator gear mechanism (01 no.), Radicon gear assembly (01 no.), Hand drive unit (01 no), Plummer blocks (04), Couplings (04), Rope drum Housing (04) including cost of all labour, transportation, material and T&P etc. of Intake Gate of machine No. 01 at Khara Power House. | 01 Job | 130100.00 | 130100.00    |
| 4      | Repairing and Overhauling of Drive arrangement for limit switch, Motor & Dr: Electromagnetic Brake Assembly and Centrifugal Brake Assembly & enamel painting work on approx. area 100 Sqm. including cost of all labour, transportation, material and T&P etc. of Intake Gate of machine No. 01 at Khara Power House.   | 01 Job | 97218.00  | 97218.00     |
| 5      | Supply, Fixing and calibration of New gate level Indicator & Main display with complete Mechanism and its Control Cable, Other Control cables & Power cable from intake gate structure to local control panel at Intake of one no Gate including cost of all labour, transportation, material and T&P etc. of Intake gate of machine no. 01 at Khara Power House.   | 01 Job | 362184.00 | 362184.00    |
| 6      | Repairing & Overhauling of Main wire rope pulleys from Gate and hoist including cost of all labour, transportation, material and T&P etc. of Intake Gate of machine No. 01 at Khara Power House.  | 06 Job | 68815.20  | 412891.00    |
| 7      | Repairing & overhauling of balancing wire rope pulleys from hoist, including cost of all labour, transportation, material and T&P etc. of Intake Gate of machine No. 01 at Khara Power House.   | 02 Job | 51468.50  | 102937.00    |
| 8      | Providing and fixing of new Galvanised steel wire rope (26 mm diameter, 6x36, 200 meter length) including cost of all labour, transportation, material and T&P etc. of Intake gate of Machine no-1 at Khara Power House.  | 01 Job | 157722.00 | 157722.00    |

Agreement T-48/2023-24

Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Bodhoni Bag (Daharapur)

For Procurement  
Prop

|              |  |           |   |   |
|--------------|--|-----------|---|---|
| 9            | Sand blasting and Epoxy painting of Intake Gate size (5.9 mtr x 6.5 mtr) for 260 sq meter surface area complete in all respect including cost of all labour, transportation, material and T&P etc. of Intake gate of machine No. 01 at Khara Power House.  | 01<br>Job | 144874.00                                   | 144874.00                                   |
| 10           | Replacement of musical Note rubber seal, flat rubber seal with new SS bolts, MS clamping plate & Base plate complete in all respect including cost of all labour, transportation, material and T&P etc. of Intake gate of Machine no-1 at Khara Power House.   | 01<br>Job | 179797.00                                   | 179797.00                                   |
| 11           | Placing, drop down & Complete sealing of stop log gate (64 pieces) by professional Divers for proper completion of concrete cavity filling work including cost of all labour, transportation, material and T&P of Intake gate of machine no. 01 at Khara Power House.                                | 01<br>Job | 67099.00                                    | 67099.00                                    |
| 12           | Providing & laying RCC cement concrete of M25 grade, approx volume 16 cubic m. to fill the cavity around the T-guide, roller track at both side and sill beam at the bottom including cost of all labour, transportation, material and T&P etc. of Intake gate of Machine no-1 at Khara Power House. | 01<br>Job | 488130.00<br>168130/-<br><i>[Signature]</i> | 488130.00<br>168130/-<br><i>[Signature]</i> |
| <b>Total</b> |  |           | <b>30,64,292.00</b>                         |   |

(Rs. Thirty Lac Sixty Four Thousand Two Hundred Ninety Two Only)

नोट:- निविदादाता द्वारा विभागीय स्तर से कम लागत की निविदा जालने की दशा में श्रावणवर्ष 2022-23 12/2012/2 अर्थात् 08/दिसंबर-2, दिनांक 08.08.2012 के अनुसार 10 प्रतिशत तक न्यूनतम दरें (Below rate) बोलने पर 0.50 प्रतिशत प्रति 1 प्रतिशत कम दर पर तथा 10 प्रतिशत से अधिक न्यूनतम दरें (Below rate) पर 1 प्रतिशत प्रति 1 प्रतिशत कम दर पर प्रकल्पित गारन्टी की अतिरिक्त धरोहर धरनादि जमा करने के उपरान्त अनुसूचि बतित किया जावेगा। निविदा दाता द्वारा जस्त धरनादि जमा न किये जाने पर उदासी धरोहर धरनादि जमा कर अधिम कार्यवाही की जावेगी।

- Note:**
1. Apart from above work/ supply, the Contractor will have to do supply/ rectification work/ amendment work/ modification work etc for proper working of intake gate, which shall be included in the scope of work without any extra payment.
  2. The contractor has to submit line diagram/technical specifications/Test certificate after completion of job.

*[Signature]*  
Executive Engineer

Executive Engineer  
Noida Generation Division  
U.P. Jal Nigam Noida Ltd  
Deendrit (Bld) (Gharanara)

Signature of Contractor

With seal

*[Signature]*

*[Signature]*  
Noida

## FORM - A

## GENERAL CONDITIONS FOR THE SUPPLY OF PLANT AND THE EXECUTION OF WORKS IN THE U.P. JAL VIDYUT NIGAM LTD.

1. In construing these general conditions and the annexed specification, the following words shall have the meanings hereic assigned to them unless there is anything in the subject or context inconsistent with such construction.

2. "The Nigam" or the Nigam shall mean the U.P. Jal Vidyut Nigam Ltd. and shall include his successors and assigns.

The "Contractor" shall mean the Tenderer whose tender shall be accepted by the Nigam, and shall include such Tenderer's heirs, legal representatives, successors and assigns.

The "Sub-Contractors" shall mean the person named in the contract for any part of the work or any person to whom any part of the work or any persons to whom any part of the Contract has been sublet with the consent in writing of the Engineer and the heirs, legal representatives, successors, and assigns of such person.

The "Engineer" shall mean the officer placing the order for the work with the contractor, and such other officer as may be authorised and appointed, in writing by the Nigam to act as Engineer for the purpose of the Contract in case no such officer has been so appointed, the Nigam or his duly authorised representative.

"Plant", "Equipment", "Materials", "Work" or "Works" shall mean respectively the plant and materials to be provided and work or works to be done by the contractor under the Contract.

The "Contract" shall mean and include the general conditions, specifications, schedules, drawings, Form of Tender, Covering Letter, Schedule of Prices, or the final General Conditions, Specifications and Drawing, and the agreement to be entered into under clause-3 of these General Conditions.

"The Specification" shall mean the Specification annexed to these General Conditions and the Schedule therein (if any).

The "Site" shall mean the site of the proposed work as detailed in the Specification or any other place in Uttar Pradesh where work is to be executed under the Contract.

"Tests on Completion" shall mean such tests as are prescribed by the Specification to be made by the Contractor before the plant is taken over by the Nigam.

"Commercial Use" shall mean that use of the work which the contract contemplates or of which it is commercially capable.

"Month" shall mean Calendar month.

"Writing" shall include any manuscript, typewritten or printed statement, under or over signature or seal as the case may be.

Words importing persons, shall include Firms, Companies, Corporation and other bodies whether incorporated or not.

Words importing the singular only shall also include the plural and vice versa where the context requires.

Engineer  
U.P. Jal Vidyut Nigam Ltd.  
Lucknow

**2. Contractor to inform himself fully:**

The Contractor shall be deemed to have carefully examined the General Conditions, Specifications, Schedules and Drawings, if he shall have any doubt as to the meaning of any portion of these General Conditions, or of the Specification, he shall, before signing the Contract, set forth the particulars thereof and submit them to the Engineer in writing, in order that such doubt may be removed.

**3. Contract:**

A formal agreement shall, if required by the Nigam, be entered into between the Nigam and the Contractor for the proper fulfillment of the Contract.

Further, if required by the Nigam, the Contractor shall deposit with the Nigam as security for the due and faithful performance of the Contract such sums not being less than one percent of the total value of the contract as may be fixed by the Nigam either in cash or in any other form approved by the Nigam. The security deposit shall be refunded to the Contractor on the satisfactory completion of tests and the taking over of the plant by the Nigam.

The Charges in respect of vetting and execution of the contract document shall be borne by the Contractor. The Contractor shall be furnished with an executed stamped counter part of the agreement. The import license fee will in each case have to be paid by the Contractor; import license may have to be taken in the Board's name.

After the tender has been accepted by the Nigam, all order or instructions to the Contractor shall, except as herein otherwise provided, be given by the Engineer on behalf of the Nigam.

**4. Contract Drawings:**

The Contractor shall submit in duplicate, to the Engineer for his approval, drawings of the General Arrangement of the works to be carried out and of such detailed drawings, other than shop drawings as may reasonably necessary.

Within fourteen days of the receipt of such drawings the Engineer shall signify his approval or otherwise of the same, and in the event of his disapproving the drawings, the contractor shall submit further drawings for approval.

Within a reasonable period of notification by the Engineer to the Contractor of his approval of such drawings, three sets in ink on tracing cloth or ferrographic prints mounted on cloth, of the drawing as approved shall be supplied to him by the Contractor and be signed by him and the Contractor respectively and be thereafter deemed to be the "Contract Drawings."

These drawings when so signed shall become the property of the Nigam and be deposited with the Engineer, and shall not be departed from in any way whatsoever except by the written permission of the Engineer as hereinafter provided. During the execution of the works, one of the sets of drawings shall be available for reference on the site.

In the event of the Contractor desiring to possess a signed set of drawings he shall supply four sets instead of three sets and in this case the Engineer shall sign the fourth set and return the same to the Contractor.

The Contractor if required by the Engineer shall supply in addition copies of any drawings other than shop drawings which may reasonably be required for the purpose of the Contract and may make a reasonable charge for such copies.

The Engineer, or his duly authorized representative, whose name shall have previously been communicated in writing to the Contractor shall have the right at all

  
Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Badshahi Bag, Jodhpur

  
Engineer  
For Approval (with stamp)

  
Contractor

reasonable times, to inspect at the factory of the Contractor, drawings of any portion of the work.

**5. Mistake in Drawings:**

The Contractor shall be responsible for and shall pay for any alterations of the work due to any discrepancies, errors and omissions in the drawings or other particulars supplied by him, whether such drawings or particulars have been approved by the Engineer or not, provided that if such discrepancies, errors or omissions are due to inaccurate information of particulars furnished to the Contractor by the Engineer, any alterations in the work necessitated by reason of such inaccurate information or particular shall be paid for by the Nigam.

If any dimensions figured upon a drawing or a plan differ from those obtained by scaling the drawings or plan, the dimensions as figured upon the drawing or plan shall be taken as correct.

**6. Subletting of Contract:**

The Contractor shall not, without the consent, in writing of the Engineer or Nigam, which shall not be unreasonably withheld, assign or sublet his Contract, or any substantial part thereof other than for raw materials, for minor details, or for any part of the work of which the makers are named in the Contract, provided that any such consent shall not relieve the Contractor from any obligation, duty, or responsibility under the Contract.

**7. Patent Rights:**

In the event of any claim or demand being made or action being brought against the Nigam for infringement or alleged infringement of letters-patent in respect of any machine, plant, work or thing used or supplied by the Contractor under this Contract or in respect of any method of using or working by the Nigam of such machine, Plant, work or thing, the Contractor will indemnify the Nigam against such claim or demand and all costs and expenses arising from or incurred by reasons of such claim or demand PROVIDED THAT the Nigam shall notify the Contractor immediately any claim is made and the Contractor shall be at liberty if he so desires with the assistance of the Nigam if required but at all the Contractor's own expense, to conduct all negotiations for the settlement of the same or any litigation that may arise there from: and PROVIDED THAT no such machine, plant, work or thing shall be used by the Nigam for any purpose or in any manner other than that for which they have been supplied by the Contractor and specified under this Contract.

**7.(A) Training of Engineer:**

The Contractor shall train at his works.....Engineers/Engineers of the Nigam in the manufacture and assembly of machinery and its parts for a period of ..... . A separate agreement for such training shall be signed by the Engineer/Engineers selected for training, the Nigam and the Contractor on the form appended hereto.

**8. Quality of Material:**

The Plant shall be manufactured and constructed in the best and most substantial and most workmanlike manner and with materials of the best or of approved qualities for their respective uses.

**9. Packing:**

The Contractor shall be responsible for security, protecting and packing the plant so as to avoid damage under normal condition of transport.

  
Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Badrinath Road, Dehradun

  
For Project Engineer  
[Signature]

  
Prop.

**10. Delivery:**

The cost of delivering the whole of the material F.O.R. at the railway station specified or on the site at the specification may define and the cost of packing and unless otherwise agreed, import duties and customs dues shall be borne by the Contractor.

**11. Fencing and lighting for works other than transmission lines:**

Except as hereinafter provided, that Nigam shall, unless otherwise specified be responsible for the proper fencing, guarding, lighting and watching of all works other than transmission lines comprised in the Contract and for the proper provision of temporary roadways, footways, guards and fences as far as the same may be rendered necessary by reason of the work for the accommodation and protection of foot-passengers or other traffic and of the owners and occupiers of adjacent property and of the public.

**For transmission lines:**

The Contractor shall at all times provide sufficient fencing, notice boards, lights at watchmen to protect and warn the public and guard the work of transmission lines and in case the contractor fails to make such provision or the provision made by him is considered by the Nigam to be inadequate, the Nigam may make such provision or further provisions as he may consider necessary and charge the cost thereof to the Contractor.

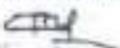
**For all works:**

If during the period of erection of a plant the Contractor or his workmen or servants shall injure or destroy any part of a building or other structure contiguous to the work in progress or if any damage shall be caused from any cause whatsoever to other works (whether in progress or completed) forming part of the work for which the plant is being installed or if any imperfections become apparent in these works the causes of which imperfections are

attributable to the Contractor or his workmen or servants, the Contractor shall make good such damages and imperfections and if he fails to do so within a reasonable time, the Nigam may cause the same to be made good and may deduct the cost thereof from any sum that may then or at any time thereafter become due to the Contractor or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof or may recover it otherwise.

**12. Power to vary or omit work:**

No alterations, amendments, omissions, additions, suspensions, or variations of the work (hereinafter referred to as "Variations") under the Contract as shown by the Contract drawings of the Specification shall be made by the Contractor except as directed in writing by the Engineer, but the Engineer shall have full power, subject to the provision hereinafter contained, from time to time during the execution of the Contract by notice in writing to instruct Contractor to make such variation without prejudice to the Contract, and the Contractor shall carry out such instructions and be bound by the same conditions as far as applicable, as though the said variations occurred in the specification. If any suggested variations would, in the opinion of the Contractor, if carried out, prevent him from fulfilling any of his obligations or guarantees under the Contract, he shall notify the Engineer thereof in writing, and the Engineer shall decide forthwith whether or not the same shall be carried out and if the Engineer confirms his instructions, the Contractor's obligations and guarantee shall be modified to such and extent as may be justified. The difference of cost, if any occasioned by any such variations, shall be added to, or deducted from, the contract price as the case may require. The amount of such difference, if any, shall be ascertained and determined in accordance with the rates specified in the schedules of Prices so far as the same may be applicable and where the rates are not contained in the said Schedules or are not applicable,

  
 Engineer  
 P.O. Box 100, New Delhi  
 Ministry of Railways, Govt. of India  
 New Delhi

  
 Contractor  
 P.O. Box 100, New Delhi  
 Ministry of Railways, Govt. of India  
 New Delhi

For Payment  


the shall be settled by the Engineer and the Contractor, jointly, as far as possible, before such variations are carried out. Provided that the Nigam shall not become liable for the payment of any charge in respect of any such variations, unless the instructions for the performance of the same shall have been given in writing by the Engineer.

In the event of the Engineer requiring any variations, such reasonable and proper notice shall be given to the Contractor as will enable him to make his arrangements accordingly, and in cases where goods or material have already been prepared or any designs, drawings or patterns have been made or work done that required to be altered, the Engineer shall allow such compensation in respect thereof as he shall consider reasonable.

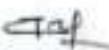
Provided that no such variations shall, except with the consent in writing of the Contractor, be such as will involve in increase or decrease of the total price payable under the Contract by more than 10 percent thereof.

In every case in which the Contractor shall receive instructions from the Engineer for carrying out any work which either then or later will, in the opinion of the Contractor, involve a claim for additional payment, the Contractor shall, as soon as reasonably possible, after the receipt of such instructions, inform the Engineer of such claim for additional payment.

### 13. Negligence:

If the Contractor shall neglect to execute the work with due diligence and expedition, or shall refuse or neglect to comply with any reasonable orders given him in writing by the Engineer in connection with work, or shall contravene any provision of Contract the Nigam may give seven days notice in writing to the Contractor, to make good the failure, neglect or contravention complained of and if the Contractor shall fail to comply with the notice within a reasonable time from date of service thereof in the case of a failure, neglect, or contravention capable of being made good within that time, then and in such case the Nigam shall be at liberty to employ other workmen and forth with perform such work as the Contractor may have neglected to do, or if the Nigam shall think fit, it shall be lawful for him to take the work wholly, or in part out of the Contractor's hands and give it to another person on contract at a reasonable price or provide any other materials, tools, tackle, or labour for the purpose of completing the work, or any part thereof, and in that event the Nigam shall, without being responsible to the Contractor for fair wear and tear of the same, have the free use of all the materials, tools, tackles, or other things which may be on the site, for use at any time in connection with the work to the exclusion of any right of the Contractor over the same, and the Nigam shall be entitled to retain and apply any balance which may be otherwise due on the Contract by him to the Contractor or such part thereof as may be necessary, to the payment of the cost of executing such work as aforesaid.

If the cost of executing the work as aforesaid shall exceed the balance due to the Contractor, and the Contractor fails to make good the deficiency the Nigam may recover it from the Contractor in any lawful manner of the Nigam may sell the said materials, tools, tackle or other things belonging to the Contractor, and the proceeds of such sale shall be applied towards the payment of such deficiency and the costs of and incidental to such sale and any balance remaining after crediting the same shall be paid to the Contractor on the certificate of the Engineer, provided that when all expenses, cost and charges incurred in the completion of the work are paid by the Contractor, all such materials, tools, tackle or other things remaining unsold shall be removed by the Contractor.

  
Executive Engineer  
Chief Generation Division  
L. P. Jal Vidyut Nigam Ltd  
Bhubaneswar (Odisha)

  
Project Engineer  
L. P. Jal Vidyut Nigam Ltd  
Bhubaneswar (Odisha)

  
Project Engineer  
L. P. Jal Vidyut Nigam Ltd  
Bhubaneswar (Odisha)

**14. Death, Bankruptcy, etc.:**

If the Contractor shall die or commit any act of bankruptcy, or being a corporation commence to be wound up except for reconstruction purposes or carry on its business under a Receiver, the executors, successors or the representatives in law of the estate of the Contractor or any such Receiver, Liquidator, or any person in whom the Contract may become vested shall forthwith give notice thereof in writing to the Nigam and shall for one month during which he shall take all reasonable steps to prevent stoppage of the works, have the option of carrying out the Contract subject to his or their providing such guarantee as may be required by the Nigam but not exceeding the value of the work for the time being remaining unexecuted. In the event of stoppage of the works the period of the option under this clause shall be fourteen days only: Provided that should the above option not be exercised, the Contract may be determined by the Nigam by notice in writing to the Contractor and the Nigam may exercise the same power which he could exercise and will have the same rights which he could have under the proceeding clause if the work had been taken out of the Contractor's hands under the clause.

**15. Inspection and testing :**

The Engineer and his duly authorized representatives shall have at all reasonable times access to the Contractor's premises, and shall have power at all reasonable times to inspect and examine the materials and workmanship of the plant during its manufacture there and if part of the plant is being manufactured on other premises the Contractor shall obtain for the Engineer and for his duly authorized representatives permission to inspect it as if the plant was manufactured on the Contractor's own premises.

The Engineer shall, on giving seven day's notice in writing to the Contractor setting out any grounds of objections which he may have in respect of the work, be at liberty to reject all or any plant or workmanship connected with such work which in his opinion are not in accordance with the Contract or are in his opinion defective for any reason whatsoever: Provided that, if such notice be not sent to the Contractor within reasonable time after the grounds upon which such notice is based have come to the knowledge of the Engineer he shall not be entitled to reject the said plant or workmanship on such grounds. Unless specifically provided otherwise all tests shall be made at Contractor's work before shipment.

The Contractor shall, if required, give the Engineer notice of any material being ready for testing, and the Engineer or his said representative if so desired shall, on giving twenty-four hours' previous notice in writing to the Contractor attend at the Contractor's premises within seven days of the date on which the material is notified as being ready, failing which visit the Contractor may proceed with the tests, which shall be deemed to have been made in Engineer's presence, and he shall forthwith forward to the Engineer duly certified copies of the tests in duplicate.

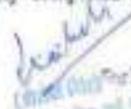
**Test at Site:**

In all cases where the Contract provides for tests whether at the premises of the Contractor or of any Sub-Contractor, the Contractor, except where otherwise specified, shall provide free of charges such labour, materials, electricity, fuel, water, stores apparatus and instruments as may reasonably be demanded to carry out efficiently such tests of the plant in accordance with the Contract and shall give facilities to the Engineer or to his authorised representative to accomplish such testing.

If special tests other than those specified in the Contract are required they shall be paid for by the Nigam as "Variations" under clause 12.

When the tests have been satisfactorily completed at the Contractor's works the Engineer shall issue a certificate to the effect.

  
 Engineer  
 Hydro Power Section Division  
 U.P. Jal Vidyut Nigam Ltd  
 Badlihar Road (Bikanernagar)

  
 (Name of Contractor)  
 2000/2001 (P.O. No. 100)

  
 Nigam

**Tension site:**

In all cases where the Contract provides for tests on the site the Nigam, except where otherwise specified, shall provide, free of charges, such labour, materials, electricity, fuel, water, stores, apparatus and instruments as may be required from time to time and as may reasonably be demanded efficiently to carry out such tests of the plant or workmanship in accordance with the Contract. In the case of the Contractor requiring electricity for tests on site such electricity shall be supplied to the Contractor in the most convenient form available.

**16. Delivery of plant:**

No plant shall be forwarded until shipping instruction shall have been given to the Contractor.

Notification of delivery or dispatch in regard to each and every consignment shall be made to the Nigam immediately after dispatch or delivery. The Contractor shall further supply to the consignee a priced invoice and packing account of all stores delivered or dispatched by him. All packages, containers, bundles and loose materials forming part of such and every consignment shall be described fully in the packing account, and full details of the contents of packages and quantity of materials shall be given to enable the consignee to check the stores on arrival at destination.

**17. Access to site and work on site:**

Suitable access to and possession of the site shall be afforded to the Contractor by the Nigam in reasonable time, and the Nigam shall have any foundations to be provided by him ready when required by the Contractor. Where a crane is available, its safe lifting capacity shall be stated in the Specification, and it shall be available for free use of the Contractor until the plant is taken over.

**Only applicable to complete erection:**

The work, so far as it is carried out on the Nigam's premises, shall be carried out at such time as the Nigam may approve and so as not to interfere unnecessarily with the conduct of the Nigam's business, but the Nigam shall give the Contractor all reasonable facilities for carrying out the work.

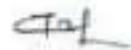
No person other than the Contractor, Sub-Contractors, and workmen and the Contractor's duly authorized agents shall, except with the special permission in writing of the Engineer or his representative, be allowed to do any work on the site in connection with the erection of the work, but access to the work shall at all times be accorded to the Engineer and his representatives and other authorized officials or representatives of the Nigam.

The Contractor shall permit the execution of work by other Contractors or tradesmen whose names shall have been previously communicated in writing to the Contractor by the Engineer, and afford them every facility for the execution of their several works simultaneously with his own.

The Nigam shall provide all the unskilled labour and facilities necessary for the execution of work included in the contract unless otherwise specified.

**18. Engineer's supervision:**

All the work shall be carried out under the direction and to the reasonable satisfaction of the Engineer. If supervision of erection or complete erection is included in the Contract, the Contractor shall be responsible for the correctness of the positions, levels and dimensions of the works according to the drawings, notwithstanding that he may have been assisted by the Engineer in setting out the same.

  
General Manager  
Nigam  
U.P. ...  
...

  
...

  
...

**19. Engineer's decision:**

In respect of all matters which are left to the decision of the Engineer, including the granting or withholding of certificates, the Engineer shall, if required so to do by the Contractor, give in writing a decision thereon and his reasons for such decision. If the decision is not accepted by the Contractor the matter will, at the request of the Contractor, be referred to arbitration under the provision for arbitration hereinafter contained but subject to the right of reference to arbitration such decision shall be final and binding on the Contractor.

**20. Contractor's representative and workmen:**

If the supervision of erection or complete erection is also included in the Contract, the Contractor shall employ at least one competent representative, whose name or names shall have previously been communicated in writing to the Engineer by the Contractor to superintend the erection of the plant and the carrying out of the works. The said representative, or if more than one shall be employed then one of such representatives, shall be present on the site during working hours, and any written orders or instructions which the Engineer or his duly authorized representative whose name shall have been previously communicated in writing to the contractor may give to the said representative of the Contractor shall be deemed to have been given to the Contractor.

The Engineer shall be at liberty to object to any representative or person employed by the contractor in the execution of or otherwise about the works who shall in his opinion misconduct himself or be incompetent or negligent and the Contractor shall remove the person so objected to upon receipt from the Engineer of notice in writing requiring him so to do and shall provide in his place a competent representative at the Contractor's expense.

The Nigam shall provide suitable living accommodation on the site for the use of Contractor's representative unless the contractor exempts him from this liability.

**21. Liability for accident and damage:**

The Contractor shall be responsible for loss, damage or depreciation of the plant until the same is taken over under clause 35 or is deemed under that clause to have been taken over : Provided always that the Contractor shall not be responsible for any such loss, damage and depreciation occurring during such period that the plant is operated by the Nigam's staff prior to being taken over in accordance with clause 35.

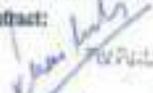
Until the plant is taken over or is deemed to have been taken over as aforesaid, the Contractor shall also be liable for and shall indemnify the Nigam in respect of all injury to person or damage to property resulting from the negligence of the Contractor or his workmen or sub-contractors or from defective design, or work, but not from other cause:

Provided that the Contractor shall not be liable for any loss of profit or loss of Contract or any other claim made against the Nigam not already provided for in the Contract, nor for any injury or damage caused by or arising from the acts of the Nigam or of any other person or due to circumstances over which the Contractor has no control, no shall his total liability for loss, damage or injury under this clause exceed the total value of the Contract.

The Contractor will indemnify and save harmless the Nigam against all actions, suits, claims, demands, costs, or expenses arising in connection with injuries (other than such as may be attributable to the Nigam or his employees) suffered prior to the date when the plant shall have been taken over under clause 35 hereof by persons employed by the Contractor or his sub-contractor on the work, whether at Common Law or under the Workmen's Compensation Act, 1923 or any other statute in force at the date of contract relating to the question of the liability of employers for injuries suffered by employees, and will if called upon to do so take out the necessary policy or policies of insurance to cover such indemnity.

Only applicable to complete erection contract:

  
Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd.  
Bardhaman Parg (Gohardhaman)

  
Chairman  
(Chairman)  
Bardhaman Parg (Gohardhaman)

  
Rtd.

In the event of any claim being made, or action brought against the Nigam involving the Contractor and arising out of the matters referred to and in respect of which the Contractor is liable under this clause, the Contractor shall be immediately notified thereof and he shall with the assistance, if he so requires, of the Nigam but at the sole expense of the Contractor conduct all negotiations for the settlement of the same or any litigation that may arise therefrom. In such case, the Nigam shall, at the request and expense of the Contractor, afford all reasonable and available assistance for any such purpose.

## 22. Insurance:

The Contractor shall insure the plant and shall keep it insured against loss by theft, destruction or damage by fire, flood, undue exposure to the weather, or through riot, civil commotion, war or rebellion, for the full value of the plant from the time of delivery L.o.b. British Port until the plant is taken over under clause 35. This insurance shall also cover loss by theft on site in the case of Contracts where the Contractor is responsible for complete erection, but not in other cases.

## 23. Replacement of defective work or materials:

If during the progress of the work the Engineer shall decide and notify in writing to the Contractor that the Contractor has executed any unsound or imperfect work or has supplied any plant inferior in quality to that specified the contractor on receiving details of such defects or deficiency shall, at his own expense, within such time that may be reasonably necessary for the making it good, proceed to alter, reconstruct or remove such work, or supply fresh materials up to the standard of the specification and in case the Contractor shall fail so to do, the Nigam may, on giving the Contractor seven day's notice in writing of his intention so to do, proceed to remove the work complained of, and, at the cost of the Contractor, perform all such work or supply all such material, provided that nothing in this clause shall be deemed to deprive the Nigam of or affect any right under the Contract, which he may otherwise have in respect of such defects or deficiencies.

## 24. Deductions from contract price:

All costs, damages or expenses which the Nigam may have paid, for which under the Contract the Contractor is liable, may be deducted by the Nigam from any moneys due or which may become due by him to the Contractor under the Contract, or may be recovered by suit on otherwise from the Contractor.

Any sum of money due and payable, to the Contractor (including security deposit returnable to him) under this contract may be appropriated by the Purchase and set off against any claim of the Nigam for the payment of a sum of money arising out of or under any other contract made by the Contractor with the Nigam.

## 25. Terms of payment:

(1) Subject to any deduction which the Nigam may be authorized to make under the contract, to any additions or deductions provided for under clause 12, the Contractor shall be entitled to payment as follows:

(a) Eighty percent of the F.O.R. contract value of the plant in rupees on receipt by the Nigam of the Contractor's invoice giving the number and date of railway receipt covering the dispatch of the plant from the Indian Port and of the advice note giving case number and contents, together with a certificate by the Contractor to the effect that the plant detailed in the said advice note has actually been dispatched under the said railway receipt and that the Contract value of the said plant so dispatched is not less than the amount entered in the invoice.

(b) Ten percent of the F.O.R. contract value of the plant on satisfactory completion of test and taking over of the plant.

(c) Ten percent of the F.O.R. Contract value of the plant at the end of twelve months from the date of taking over.

(d) For the erection of the plant, in proportion of the progress of the work on the receipt by the Nigam of monthly invoices submitted by the Contractor supported by the certificates of the Engineer.

(2) If the time at which either of the installments due under sub-clauses (b) and (c) of clause (1) hereof become payable there are minor defects in the plant which are not of such importance as to affect to full commercial use of the plant, then the Nigam shall be entitled to retain only such part of the installment then retained shall, subject to the provisions of clause 36 become due upon such minor defects being made good.

(3) If the Nigam desires that the plant or any portion thereof should not be dispatched by the Contractor when it is due for dispatch by the Contractor shall store such plant or portion at his works and be responsible for all risk. For such storage the Nigam shall pay to the Contractor at a rate to be mutually agreed upon between the parties but not exceeding 5.5 (five shilling) per ton per week, payable quarterly plus interest at one per cent per annum above the current rate of the State Bank of India on 80 percent of the Contract value of the plant or portion thereof so stored, for the period from the date on which the said plant or portion become due and is ready for shipment up to the date on which it is actually shipped.

25.(A) In the event of the supplier/contractor/company/not being able to supply the materials or to carry out works in accordance with the terms of this contract, the Government/Nigam/Owner shall have the right to recover any sums advanced in accordance with the clause 25 from the supplier/contractor/company and from his/its assets.

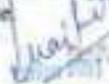
#### 26. Provisional sums:

In any case where the contract price includes a provisional sum to be provided by the Contractor for meeting the expense of extra work or for work to be done or material to be supplied by a sub-Contractor, such sum shall be expended or used, either wholly or in part, or be not used, at the discretion of the Engineer and entirely as he may decide and direct. If no part or only a part thereof be used then the whole or the part not used as the case may be, shall be deducted from the Contract price. If the sum used is more than such provisional sum the Contractor shall pay the excess. In the case of materials supplied or work done by a Sub-Contractor, the total of the net sums paid to the Sub-Contractor on account of such materials or works and a sum equal to 10 percent of such net sum allowed as Contractor's profit shall be deemed to be the sum used. None of the works or articles to which such sum of money refers shall be done or purchased without the written order of the Engineer. The Contractors shall allow the Sub-Contractors every facility for the supply of materials or execution of their several works simultaneously with his own and shall within fourteen days after the Engineer has requested him in writing to do, pay the dues of such Sub-Contractors on account of such materials or works, PROVIDED ALWAYS that the Contractor shall have no responsibility with regard to such works or articles unless he shall have previously approved the Sub-Contractor and/or the material or plant to be supplied.

#### 27. Certificate of Engineer:

Every application to the Engineer for a certificate must be accompanied by a detailed invoice (in duplicate) setting forth in the order of the Schedule of Prices, particulars of the work executed, and the certificate as to such plant or work as is in the reasonable opinion of the Engineer in accordance with the Contract shall be issued within fourteen days if possible or for other than the first payment within such time of application for the same as is reasonably necessary for communication with the site.

  
Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Babahan Bag (Babahanpur)

  
20/11/2011

  
Page

The Engineer may be any certificate make any correction or modification in any previous certificate which shall have been issued by him and payments shall be regulated and adjusted accordingly.

**28. Due dates of payment:**

Payment shall be due and payable by the Nigam in accordance with the provisions of clause 25 hereof at the end of the month following that in which invoices for the amounts due together with necessary documents are received by the Nigam, provided that the Nigam shall not be bound to make any payment under sub-clause (a) of clause 25 unless the amount of such payment represents at least 80 per cent of the total contract value of the plant.

**29. Certificate not to affect rights of the Nigam or Contractor:**

(1) No certificate of the Engineer on account nor any sum paid on account by the Nigam, nor any extension of time granted under clause 31 shall effect or prejudice the rights of the Nigam against the Contractor either under this Agreement or under the law or relieve the Contractor of his obligations for the due Performance of the contract, or be interpreted as approval of the work done or of the materials supplied.

(2) No certificate of the Engineer shall create liability in the Nigam to pay for any alteration, amendments, variations or additional work not ordered in writing by the Engineer or absolve the Contractor or his liability for the payment of damages whether due, ascertained or certified or not of any such sum against the payment of which he is bound to indemnify the Nigam nor shall any such certificate nor the acceptance by him of any sum paid on account or otherwise affect or prejudice the rights of the Contractor against the Nigam under this Agreements or under the law.

**30. Suspension of Works:**

The Nigam shall pay to the Contractor all reasonable expenses incurred by the Contractor by reason of suspension of the works of delay in shipment by order in writing of the Nigam or the Engineer unless such suspension shall be due to some default on the part of the Contractor or Sub-Contractor.

**31. Extension of time for completion:**

The time given to the Contractor for dispatch, delivery, erection or completion, as the case may be, shall be reckoned from the date of receipt by the Contractor of the order, together with all necessary information and drawings to enable the work to be put in hand.

In all cases in which progress shall be delayed by strikes, lockouts, fire, accident, defective materials, delay in approval of drawing or any cause whatsoever beyond the reasonable Control of the Contractor, and whether such delay or impediment shall occur before or after the time or extended time, for dispatch, erection or completion, a reasonable extension of time shall be granted.

**32. Damages for delay in completion:**

If the Contractor shall fail in the due performance of his Contract within the time fixed by the Contract or any extension thereof, the Contractor agrees to accept a reduction of the Contract price by  $\frac{1}{2}$  (half) percent per week reckoned on the contract value of such portion only of the plant as cannot in consequence of the delay be used commercially and efficiently during each week between the appointed or extended times as the case may be and the actual time of acceptance under clause 25, and such reduction shall be in full satisfaction of the Contractor's Liability for delay but shall not in any case exceed 10 (ten) percent of the Contract value of such portion of the plant.

### I. Tests on Completion:

Whenever possible all tests shall be carried out before shipment. "Should, however, it be necessary for the final tests as to performance and guarantees to be held over until the plant is erected at site they shall be carried out in the presence of the Contractor's representative within one month of the completion of erection. If the result of these tests shall not come within the margin specified, the tests shall, if require be repeated within one month from the date the plant is ready for re-test, and the Contractor shall repay to the Nigam all reasonable expenses to which he may be put by such tests.

### II. Rejection of defective plants :

If the completed plant, or any portion thereof, before it is taken over under clause 35, be found to be defective, or fail to fulfill the requirements of the Contract, the Engineer shall give the Contractor notice setting forth particulars of such defects or failures, and the Contractor shall forthwith make the defect good or alter the same to make it, comply with the requirements of Contract. If the Contractor fails to do so with a reasonable time, the Nigam may reject and place, at the cost of the Contractor, the whole or any portion of the plant, as the case may be which is defective or fails to fulfill the requirements of the Contract. Such replacement shall be carried out by the Nigam within in a reasonable time and at a reasonable price, and where reasonably possible to the same specification and under competitive conditions. In case of such replacement by the Nigam, the Contractor shall be liable to pay to the Nigam the extra cost, if any, of such replacement delivered and/or erected as provided for in the original Contract, such extra cost being the ascertained difference between the price paid by the Nigam under the provisions above mentioned, for such replacement and the Contract price for the plant so replaced, and also to repay any sum paid by the Nigam to the Contractor in respect of such defective plant. If the Nigam does not so replace the rejected plant within a reasonable time, the Contractor shall be liable only to repay to the Nigam all moneys paid by the Nigam to him in respect of such plant.

In the event of such rejection, the Nigam shall be entitled to the use of the plant in a responsible and proper manner for a time reasonably sufficient to enable him to obtain other replacement plant. During the period the rejected plant is used commercially the Contractor shall be entitled to a reasonable sum as payment for such use.

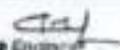
### III. Taking over :

Where the specification calls for performance tests before shipment and these have been successfully carried out, the plant shall be accepted and taken over when it has been satisfactorily put into operation on site, or within one month of its being ready to be put into operation, whichever shall be the earlier and the Engineer shall forthwith issue a taking over certificate.

In the event of final or any outstanding tests being held over until the plant is erected, such taking-over Certificate shall be issued subject to the results of such or outstanding tests shall be carried out in accordance with clause-33.

When the specification calls for tests on site the plant shall be taken over and the Taking over Certificate issued immediately after such tests have been satisfactorily carried out.

If for any reason other than the default of the Contractor such last mentioned test on site shall not be carried out within one month of notice by the Contractor to the Nigam of the plant being ready for test the plant shall be deemed to have been taken over as on the last day of such period and payments due to the Contractor on taking over shall be made, but nevertheless the Contractor shall if called upon so to do by the Nigam, but at the Nigam's

  
Executive Engineer  
of Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Badaohli Bag (Sahasranganj)

  
Nigam Representative

  
Nigam Representative

expense, make the said tests during the maintenance period and accept as aforesaid under the same obligations as specified in clause 33.

The Engineer shall not delay the issue of any taking-over Certificate contemplated by this clause on account of minor deficiencies of material or defects in the plant which do not materially affect the commercial use thereof provided that the Contractor shall undertake to make good the same in due course.

**33. Tests on Completion:** Whenever possible all tests shall be carried out before shipment, "Should, however, it be necessary for the final tests as to performance and guarantee to be held over until the plant is erected at site they shall be carried out in the presence of the Contractor's representative within one month of the completion of erection. If the result of these tests shall not come within the margin specified, the tests shall, if require be repeated within one month from the date the plant is ready for re-test, and the Contractor shall repay to the Nigam all reasonable expenses to which he may be put by such tests.

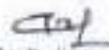
**34. Rejection of defective plants:** if the completed plant, or any portion thereof, before it is taken over under clause 35, be found to be defective, or fail to fulfill the requirements of the Contract, the Engineer shall give the Contractor notice setting forth particulars of such defects or failure, and the Contractor shall forthwith make the defect good or alter the same to make it comply with the requirements of Contract. If the Contractor fails to do so with a reasonable time, the Nigam may reject and place, at the cost of the Contractor, the whole or any portion of the plant, as the case may be which is defective or fails to fulfill the requirements of the Contract. Such replacement shall be carried out by the Nigam within in a reasonable time and at a reasonable price, and where reasonably possible to the same specification and under competitive conditions. In case of such replacement by the Nigam, the Contractor shall be liable to pay to the Nigam the extra cost, if any, of such replacement delivered and/or erected as provided for in the original Contract, such extra cost being the ascertained difference between the price paid by the Nigam under the provisions above mentioned, for such replacement and the Contract price for the plant so replaced, and also to repay any sum paid by the Nigam to the Contractor in respect of such defective plant. If the Nigam does not so replace the rejected plant within a reasonable time, the Contractor shall be liable only to repay to the Nigam all moneys paid by the Nigam to him in respect of such plant.

In the event of such rejection, the Nigam shall be entitled to the use of the plant in a reasonable and proper manner for a time reasonably sufficient to enable him to obtain other replacement plant. During the period the rejected plant is used commercially the Contractor shall be entitled to a reasonable sum as payment for such use.

**35. Taking over:** Where the specification calls for performance tests before shipment and these have been successfully carried out, the plant shall be accepted and taken over when it has been satisfactorily put into operation on site, or within one month of its being ready to be put into operation, whichever shall be the earlier and the Engineer shall forthwith issue a taking over certificate.

In the event of final or any outstanding tests being held over until the plant is erected, such taking-over Certificate shall be issued subject to the results of such or outstanding tests shall be carried out in accordance with clause-33.

When the specification calls for tests on site the plant shall be taken over and the Taking over Certificate issued immediately after such tests have been satisfactorily carried out.

  
Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Badshahi Bag (Gaharapur)

  
Engineer  
for Purchase & Sale  
U.P. Jal Vidyut Nigam Ltd

  
Prop.

If for any reason other than the default of the Contractor such last mentioned test on site shall not be carried out within one month of notice by the Contractor to the Nigam of the plant being ready for test the plant shall be deemed to have been taken over as on the last day of such period and payments due to the Contractor on taking over shall be made, but nevertheless the Contractor shall if called upon so to do by the Nigam, but at the Nigam's expense, make the said tests during the maintenance period and accept as aforesaid under the same obligations as specified in clause 33.

The Engineer shall not delay the issue of any taking-over Certificate contemplated by this clause on account of minor deficiencies of material or defects in the plant which do not materially affect the commercial use thereof provided that the Contractor shall undertake to make good the same in due course.

### 36. Maintenance:

For a period of 12 (twelve) calendar months commencing from the date on which the plant is taken over or is deemed to have been taken over under clause 33 (called "the maintenance period") the Contractor shall remain liable to replace any defective parts that may develop in plant of his own manufacture or those of his sub-Contractors approved under clause 6 under conditions provided for by the contract under proper use and arising solely from faulty design, materials or workmanship provided always that such defective parts as are not repairable at site and are not essential in the mean-time to the maintenance in commercial use of the plant are promptly returned to the Contractor's works at the expense of the Contractor unless otherwise arranged.

If it becomes necessary for the Contractor to replace or renew any defective parts of the plant under this clause, the provisions of the first paragraph of this clause shall apply to the parts of the plant so replaced or renewed until the expiration of six months from the date of such replacement or renewal or until the end of the above mentioned period of twelve months, whichever may be the later.

If any defects be not remedied within a reasonable time the Nigam may proceed to do the work at the Contractor's risk and expense, but without prejudice to other rights which the Nigam may have against the Contractor in respect of such defects.

The repaired or new parts will be delivered in accordance with clause 10. The Contractor shall bear reasonable cost of minor repairs carried out on his behalf at site.

At the end of the maintenance period the Contractor's liability shall cease. In respect of goods not covered by the first paragraph of this clause, the Nigam shall be entitled to the benefit of any guarantee given to the Contractor by the original supplier or manufacturer of such goods.

### 37. Regulations of local authorities:

The Nigam shall, throughout the continuance of the Contract and in respect of all matters arising in the performance thereof, serve all notices and obtain all consents, way-leaves, approvals, and permission required in connection with the regulations and by-laws of any local or other authority which shall be applicable to the works.

All work shall be executed in accordance with the Indian Electricity Rules 1956, and any statutory modifications thereof, wherever are applicable, unless otherwise agreed to in writing by the Engineer.

### 38. Arbitration:

  
Executive Engineer  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd  
Bachhan Bag (Gaharapur)

  
Engineer  
U.P. Jal Vidyut Nigam Ltd

  
Engineer

If any dispute, difference or controversy shall at any time arise between the Contractor on the one hand and the U.P. JAL VIDYUT NIGAM LTD. and the Engineer of the Contract on the other touching the contract, or as to the true construction meaning and intent of any part or condition of the same, or as to the manner of execution, or as to the quality or description of, or payment for the same, or as to the true intent, meaning, interpretation, construction or effect of the clauses of the contract, specifications or drawings or any of them, or as to anything to be done, committed or suffered in pursuance of the contract of specifications, or as to the mode of carrying the contract into effect, or as to the breach of alleged breach of the contract, or as to any claims an account of such breach or alleged breach, or as to obviating or compensating for the commission of any such breach, or as to any other matter or thing whatsoever connected with or arising out of the contract, and whether before or during the progress or after the completion of the contract, such question, difference or dispute shall be referred for adjudication to the Chairman, U.P. Jal Vidyut Nigam Ltd. or to any other person nominated by him in this behalf and his decision in writing shall be final, binding and conclusive. This submission shall be deemed to be a submission to arbitration within the meaning of the Indian Arbitration Act, 1940 or any statutory modification thereof. The arbitrator may from time to time with consent of the parties enlarge the time for making and publishing the award.

Upon every or any such reference, the costs of an incidental to the reference and award respectively shall be in the discretion of the arbitrator, who shall be competent to determine the amount thereof or direct the same to be taxed as between solicitor and client or as between party and to direct by whom and to whom and in what manner the same shall be borne and paid.

Work under the contract shall, if reasonably possible, continue during the arbitration proceedings and no payments due or payable by the Nigam shall be withheld on account of such proceedings.

#### 38.(A) Court of competent jurisdiction :

Any action taken or proceedings initiated on any of the terms of this agreement shall be only in the court of competent jurisdiction under the High Court of Judicature at Allahabad.

Work under the Contract shall if reasonably possible, continue during the Arbitration proceedings, and no payments due or payable by the Nigam shall be withheld on account of such proceedings.

#### 39. Construction of contract:

The Contract shall in all respects be construed and operated as a Contract as defined in the Indian Contract Act, 1872, and all the payments there-under shall be made in rupees unless otherwise specified.

#### 40. Marginal notes:

The marginal note to any clause of this Contract shall not affect or control the construction of such clause.

  
Executive Engineer  
Hydro Generation Division  
U.P. Jal Vidyut Nigam Ltd.  
Bardhaman Div. (Bardhaman)

  
(Signature)  
Engineer (in charge)

  
F. No.



सहायक अभियंता अभियन्ता  
जल विद्युत उत्पादन विभाग  
02 नं० जल विद्युत उत्पादन विभाग (मं०)  
सुपरीवादी कार्यालय जल विद्युत विभाग (मं०)  
कारा - साहाराबाग, साहारापुर - 247128

CDN-L319R1UP1985NJC007135 Email: sskharsa@gmail.com

299

पत्रांक १३५ / जलवि/उत्पा/बी.एस.टी.-३०/एच.जी.डी./२०२६-२६ दिनांक 11/12/2025

M/s Pentax Engineers and suppliers,  
3/1113/4 Chowk Khun alampura,  
Saharapur.

**विषय - निविदा स्वीकृति के सम्बन्ध में।**

इस कार्यालय के निविदा सूचना सं० VSI-36/HGD/2025-26 के अर्न्तगत "Major repairing and overhauling of Intake Gate, Pulleys and Hoisting Mechanism of Machine No. 02 of Khara Power House." से सम्बंधित निम्नलिखित कार्य हेतु आप द्वारा दी गयी निविदा जो कुल रू० 33,85,978.00 पन्तु एवं सेवा कर अतिरिक्त की है निविदा समिति द्वारा स्वीकृत कर ली गई है। अतः आप निम्न प्रपत्र लेकर दिनांक 27.12.2025 तक इस कार्यालय में अनुबन्ध हेतु उपस्थित हो। अतः कार्य की आवश्यकता में दृष्टिगत कार्य प्रारम्भ करने की तिथि 12.12.2025 निर्मात की जाती है।

1. अनुबन्ध हेतु रू० 100.00 का स्टाम्प पत्र।
2. माननीय उच्चतम न्यायालय के निर्देशों के अनुपालन में अनु सचिव उ००० शासन लखनऊ के शासनार्देश सं० CC-287/24 पी-3-2006 दिनांक 19 जनवरी 2007 अनुसार अक्षेप स्टाम्प शुल्क अदावाही हेतु संपन्न पत्र (मुख्य सचिव पत्र सं० कनि-5-3690/ व्यवह-2006-500(119)2006 दिनांक 4.10.2006)
3. मुद्रा बीन।

अगर आप उपरोक्त तिथि तक अनुबन्ध हेतु उपरोक्त प्रपत्र लेकर उपस्थित नहीं होते हैं तो अत्रको द्वारा जमा की गयी धरोहर लौटि जात कर ली जायेगी तथा इस सम्बन्ध में आपका कोई दावा सम्बन्ध नहीं होगा।

*(Signature)*  
अभियंता अभियन्ता

पत्रांक १३५ / जलवि/उत्पा/बी.एस.टी.-३०/एच.जी.डी./२०२६-२६ दिनांक

निम्नलिखित निम्नलिखित को सूचना एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. सहायक अभियंता/अवर अभियन्ता (पौजिक अनुभाग) द्वारा जल विद्युत गृह, साहारापुर।
2. न्यायवीर लेखाकार, जल विद्युत उत्पादन विभाग, साहाराबाग।
3. अनुबन्ध प्राप्त।

*(Signature)*  
अभियंता अभियन्ता

*(Signature)*  
अभियंता अभियन्ता



कार्पोरेट अधिकांसी अभियन्ता  
जल विद्युत उत्पादन खण्ड,  
एन 33 राजा विद्युत उत्पादन गिफ्त सिटी,  
(मुंबई) जल विद्युत उत्पादन खण्ड,  
खारा- सदरसाहीबाग, पहालगपुर- 247122

300

CIN-U31901UP1983SGC007135 Email: eehkharasahib@gmail.com

पत्रांक /042 /जाविउउलख/टी-32/एच.जी.सी./2025-26

दिनांक 31/12/25

M/s Ravish Hydro corporation,  
Nehru Market, Dakphtar,  
Dehradun.

**विषय-** निविदा स्वीकृति के सम्बन्ध में।

इस कार्पोरेट के निविदा सूचना सं 0 T-32/HGD/2025-26 के अर्थात् "Procurement of 219 numbers new Sal wood sleepers (15 cm x 15 cm x 240 cm) along with hooks for its operation for Bye-Pass Gates of Khara Power House" से सम्बन्धित कार्य हेतु आप द्वारा की गयी निविदा जो कुल ₹ 30,47,823.00 (एक लाख एवं सोळा हजार अठारह हजार) की है, निविदा समिती द्वारा स्वीकृत कर ली गई है। अतः आप निम्न प्रयत्न लेकर दिनांक 15.01.2026 तक इस कार्पोरेट में अनुबन्ध हेतु उपस्थित हों। अतः उक्त कार्य हेतु कार्य प्रारम्भ करने की तिथि दिनांक 05.01.2026 से निर्धारित की जाती है।

1. अनुबन्ध हेतु एक 100.00 का स्टाम्प पेपर।
2. भारतीय उत्पादन मन्त्रालय के निर्देशों के अनुपालन में अनु सचिव उउउउ शासन लखनऊ के शासनपरिदेश सं 00-28724 टी-3-2006 दिनांक 19 जनवरी 2007 अनुसार अवरोध स्टाम्प शुल्क अदायगी हेतु शपथ पत्र (मूला सचिव पत्र सं 00 5-3690/ ग्यारह -2006-500/119/2006 दिनांक 4.10.2006)
3. टुप बीना।  
अगर आप उपरोक्त तिथि तक अनुबन्ध हेतु उपरोक्त प्रयत्न लेकर उपस्थित नहीं होते हैं तो आपका द्वारा उक्त की गयी शरीर शरीर उक्त कर ली जायेगी तथा इस सम्बन्ध में आपका कोई दावा मान्य नहीं होगा।

  
अधिकांसी अभियन्ता

पत्रांक /जाविउउलख/टी- 32 एच.जी.सी./2025-26 दिनांक

प्रतिनिधि निम्नलिखित को सूचना एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. सम्बन्धित सहायक अभियन्ता, जल विद्युत उत्पादन खण्ड, सदरसाहीबाग (पहालगपुर)।
2. सम्बन्धित अवर अभियन्ता जल विद्युत उत्पादन खण्ड, सदरसाहीबाग (पहालगपुर)।
3. राष्ट्रीय लेखाकार, जल विद्युत उत्पादन खण्ड सदरसाहीबाग।
4. अनुबन्ध हेतु।

अधिकांसी अभियन्ता

  
(  
जल विद्युत उत्पादन खण्ड)

# U.P. Rajya Vidyut Utpadan Nigam Limited. <sup>30/</sup>

CIN NO. U31901UP1985SGC007135

GST NO. 09AAACU4797P628



## AGREEMENT DOCUMENT

- AGREEMENT NO. :- 11/HGD/2025-26 DATED 23/11/25
- DATE OF START :- As per shutdown,  
COMPLETION OF WORK :- 90 Days (03 Month),
- NAME OF WORK :- Complete Sealing of Bye-Pass Gate no. 02 and Replacement of Damaged Bearings, Gate End Sprocket, Rubber Seals & Repairing/Maintenance of Chain Sprocket Systems, Hinge Mechanisms, Gate Shute Valves and other associated fittings alongwith Painting of Bye-Pass Gate no. 02
- AGREEMENT VALUE :- Rs. 36,99,936.00 + GST
- TENDER NOTICE NO. :- T-15/HGD/2025-26
- NAME OF CONTRACTOR :- M/s Ravish Hydro Corporation,  
52 Nehru market, Dakpathar,  
Dehradun.

OFFICE OF THE EXECUTIVE ENGINEER

HYDEL GENERATION DIVISION, KHARA BADSHAHI BAGH.  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.  
BADSHAHI BAG, SAHARANPUR - 247122

*Chaitanya*  
(Name)  
2025-11-23



जल विद्युत उत्पादन विभाग,  
 एन एन राज्य विद्युत उत्पादन निगम लि.,  
 (पूर्ववर्ती एनएन जल विद्युत निगम लि.)  
 छाया- बाबराहीबाग, चण्डालपुर- 247122

CIN-U31901UP19455GC007135 Email: eekharan@uprnl.com

पत्रांक /जलविद्युत/टी-15/एचजीसी/2025-28 दिनांक

के. एच. साईदो कारपोरेशन,  
 नेहरू मार्केट, बाकपथर,  
 देहरादून।

**विषय :- विविध स्वीकृति के सम्बन्ध में।**

इस कार्यालय के विविध सूचना सं. T-15/180000014/26 के अंतर्गत **Complete sealing of Bye-Pass gate no.2 and Replacement of Damaged Bearing, Gate end sprocket, Rubber Seals & Repairing/Maintenance of Chain sprocket systems, Hinge mechanisms, Gate slider valves and other associated fittings alongwith Painting of Bye-Pass Gate no. 02** से सम्बंधित कार्य हेतु आप द्वारा दी गयी विविध जो कूल रु 36,99,936.00 हेतु एवं सेवा कर अतिरिक्त की है। विविध समिति द्वारा स्वीकृत कर ली गई है। अतः आप निम्न प्रत्येक लेख दिनांक 28.11.2026 तक इस कार्यालय में अनुबन्ध हेतु उपस्थित हों। कार्य प्रारम्भ करने की तिथि अद्वितीय के अन्तर् 41 निर्दिष्ट की जायेगी।

1. अनुबन्ध हेतु रु 100.00 का स्टाम्प फेर।
2. माननीय उच्चतम न्यायालय के निर्देश के अनुसार नए अनु सचिव का 2007 मान्य लेखन के आकाशदेव सं. CC-28/04 सी-3-2006 दिनांक 10 जनवरी 2007 अनुसार अन्वेष स्टाम्प मुक्त अदायगी हेतु आप पर मुख्य सचिव पर सं. वनि 5-3690/प्यास -2006-5002/19/2006 दिनांक 4.10.2016।
3. रुप सेवा।

अगर आप उपरोक्त विधि तक अनुबन्ध हेतु उपस्थित नहीं होते है तो आपकी द्वारा जमा की गयी अवेयर रहते जमा कर ली जायेगी तथा इस सम्बन्ध में आपका कोई दावा मान्य नहीं होगा।

(चन्द्र भान प्रसाद)  
 अधिकारी अधिपता

पत्रांक 816 /जलविद्युत/टी-15/एचजीसी/2025-28 दिनांक 10/11/25

प्रतिनिधि निम्नीतिविका को सूचना एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. सहायक अधिपता/अवर अधिपता (अनुबन्ध/वीकिक अनुबन्ध), जल विद्युत गृह, छाया।
2. सहायक लेखाकार, जल विद्युत उत्पादन संचय बाबराहीबाग।
3. अनुबन्ध हेतु।

(चन्द्र भान प्रसाद)  
 अधिकारी अधिपता

*(Handwritten Signature)*  
 (चन्द्र भान प्रसाद)  
 अधिकारी अधिपता



Complete Sealing of Bye-Pass Gate no. 02 and Replacement of Damaged Bearings, Gate End Sprocket, Rubber Seals & Repairing/ Maintenance of Chain Sprocket Systems, Hinge Mechanisms, Gate Stair Valves and other associated fittings alongwith Painting of Bye-Pass Gate no. 02.

AGAINST TENDER SPECIFICATION NO. T-15/HGD/2025-26

This agreement made on dated 27/11/25 between M/s Ravish Hydro Corporation, 52 Nehru market, Dakpather, Dehradun Hereinafter referred to as "The Contractor" of the one part & Executive Engineer, Hydel Generation Division, U.P. Rajya Vidyut Utpadan Nigam Ltd., Khara, Badshahbagh (Sahasrampur) hereinafter called "The Purchaser" of the other part.

WHEREAS the Purchaser is about to get the work of Complete Sealing of Bye-Pass Gate no. 02 and Replacement of Damaged Bearings, Gate End Sprocket, Rubber Seals & Repairing/ Maintenance of Chain Sprocket Systems, Hinge Mechanisms, Gate Stair Valves and other associated fittings alongwith Painting of Bye-Pass Gate no. 02 (herein after called "the said work"). And the purpose mentioned of enumerated or referred to the certain terms & conditions, General Conditions, Special Conditions, technical specifications, schedules, covering letter and schedule of prices which for the purpose of identification have been signed M/s Ravish Hydro Corporation, 52 Nehru market, Dakpather, Dehradun (the Engineer of the UPRVUN Ltd.) on behalf of the U.P. Rajya Vidyut Utpadan Nigam Ltd. and all of which shall form part of this contract as through separately set out herein and are included in the expression "Contract" wherever herein used.

AND WHEREAS the purchaser has accepted the tender of the Contractor for the provision & execution of the said works for the sum of Rs. 36, 99,936.00 (Rs. Thirty Six Lac Ninety Nine Thousand Nine Hundred Thirty Six Only) + GST Extra under the terms & subject to the condition hereinafter mentioned.

Now these witness and the parties hereto hereby agree and declare as follows:-

That is to say, in consideration of the payment to be made to contractor by the purchaser as hereinafter mentioned the Contractor shall duly provide the said works and shall do and perform all other works and things in the contract mentioned or described or which are implied there from or therein respectively or may be reasonably necessary for the completion of the said works within and as the times and in the manner and subject to terms, conditions and stipulated mentioned in the said contract.

AND in consideration of the due provision of as per specification a sum of Rs. 36, 99,936.00 (Rs. Thirty Six Lac Ninety Nine Thousand Nine Hundred Thirty Six Only) + GST Extra or such other sum as may become payable to the contractor under the provision of the contract "Complete Sealing of Bye-Pass Gate no. 02 and Replacement of Damaged Bearings, Gate End Sprocket, Rubber Seals & Repairing/ Maintenance of Chain Sprocket Systems, Hinge Mechanisms, Gate Stair Valves and other associated fittings alongwith Painting of Bye-Pass Gate no. 02" such payment to be made at such time and in such manner as is provided by this contract.

In case of any conflict or inconsistency in special condition of contract & General Condition of form 'A', the condition given in Special condition of contract shall prevail.

The date of start of work under this contract shall be reckoned as per letter of intent issued vide this office letter No. E16/HGD/T-15/2025-26 dated 10.11.2025 and the date of start is as per shown.

In witness whereof the parties here to have signed this deed hereunder on the date respectively mentioned against the signature of each.

Signature of Contractor  
With seal

Executive Engineer

Ravish Hydro Corporation

Executive Engineer  
Hydel Generation Division

1. *Anand Prasad*

U.P. RAJYA VIDYUT UTPADAN NIGAM Ltd.  
(Kara Badshahi Bagh/Sahasrampur)

2. *[Signature]*

2

**SPECIAL CONDITIONS OF THE CONTRACT****TENDER SPECIFICATION:15 /HGD/2025-26**

**Name of work:** Complete Sealing of Bye-Pass Gate no. 02 and Replacement of Damaged Bearings, Gate End Sprocket, Rubber Seals & Repairing/ Maintenance of Chain Sprocket Systems, Hinge Mechanisms, Gate Sluice Valves and other associated fittings alongwith Painting of Bye Pass Gate no. 02.

**1. GENERAL**

These special conditions of the contract shall be read and construed along with the annexed general conditions of contract form "A" (modified by the provision here of), but if there is any conflict or inconsistency between the provision hereof and those contained in general condition, the special conditions shall prevail.

**2. SCOPE OF WORK**

The scope of work involved, as per schedule of Rates & quantity and technical specification as Annexed, it consists of complete Sealing of Bye-Pass Gate no. 02 and Replacement of Damaged Bearings, Gate End Sprocket, Rubber Seals & Repairing/ Maintenance of Chain Sprocket Systems, Hinge Mechanisms, Gate Sluice Valves and other associated fittings alongwith Painting of Bye-Pass Gate no. 02 as per specification enclosed.

**3. TIME FOR COMPLETION**

The work covered under scope of work shall be for a period of Two year (24 Months) from the date of start of work.

**4. DATE OF START OF WORK**

The date of start of work under this contract shall be reckoned as per letter of intent issued vide this office letter No. 816/HGD/T-15/2025-26 dated 18.11.2025 and the date of start is As per shutdown

**5. LEVY OF PENALTY**

A penalty @ 1/8% per week subjected to maximum of 10% of total value of the contract for delay in works beyond the time of completion shall be levied.

**6. ACCIDENT/ DEATH OF WORKER**

The contractor shall be responsible for payment of accidental benefit and compensation in case of death of any worker engaged by him, as per provision of rules/ order of the govt. under the compensation act, No. liability whatsoever will be acceptable by the U.P. Raja Vidyut Utpadan Nigam Limited.

**7. INSURANCE**

As per Sl. No. 22 of Form "A".

**8. PERMISSION FOR ENTERING INTO POWER STATION**

The contractor shall obtain permission cards for himself and for his other engineers and staff/workers to enter into power station premises/ area for execution of the work. The contractor shall take full responsibility for the good conduct of his staff/ workers engaged for the execution of the job.

Agreement 7-18-2025-26

  
Executive Engineer  
Hydel Generation Division  
U.P. RAJA VIDYUT UTPADAN NIGAM Ltd.  
Dhara Satehali Bapthabansuri

For Rajah Hydro Corporation

  
Partner

On 15 days notice the contract can be terminated. Also the contract can be terminated at any time in case it is found that the work is not being carried out to the satisfaction of the engineer-in-charge or his representative.

Under such condition, the complete work will be got done through other agency and all such extra expenditure incurred will be debited to the contractor's account.

#### 10. TRANSPORTATION OF MEN & MATERIAL.

Contractor will make his own arrangement for the transportation of his men and material to work sites and back. Site storage facility will be provided to the contractor free of cost.

#### 11. TAX

(a) Income tax as applicable, shall be deducted from the bill.

(b) GST shall be paid extra as per applicable rules.

#### 12. TERMS OF PAYMENT

(a) 50% payment shall be released against running bill of the contractor.

(b) Balance 10% payment shall be released with final bill on completion of satisfactory work or 100% payment shall be released on submitting FDR/CDR of balance 10%.

#### 13. VARIATION IN QUANTITY OF WORK

The quantities are approximate and may vary up to +10% of contract value but may vary up to any extent in lower side.

#### 14. RATES

No escalation of rates over the finally accepted rates for work shall be allowed during the pendency of contract.

#### 15. OTHER TERM AND CONDITIONS

(a) The contractor shall remain liable to remove the defect that may develop in the works arising solely from the faulty workmanship.

(b) The engineer-in-charge shall have the right object employment or presence of any person, labour employed by the contractor for non-compliance, negligence, misconduct or being considered undesirable in the interest of work and of receipt of such objection, the contractor shall be bound to remove such person from the work areas.

(c) The contractor shall not be entitled for any claim caused by removal of person(s) as aforesaid.

(d) If for some reason, the department is unable at any time to clear the site and the work has to be stopped, the contractor shall not be entitled to any monetary claim arising out of such circumstance. He shall however be granted time limit extension to the extent, for such period during which the work remained suspended.

(e) All the specification in respect of the entire item is subject to alternations as per direction in writing of the Engineer-in-charge. In case of any dispute regarding specification, the decision of Executive Engineer, Hydel Generation Division, Khars Power House, Badshahpally (Saharanpur) shall be final and binding.

Agreement T-18/2022-23

*[Signature]*  
Executive Engineer  
Hydel Generation Division  
U.P. RAJYA VIDYUT UTPADAN NIGAM Ltd.  
Khars Badshahpally (Saharanpur)

*[Signature]*  
For Ravish Hydro Corporation

*[Signature]*  
Partner

...shall be held liable or injury to the labour while on duty and he will take all possible measures to ensure that no such event is occurred. However, in case of any accident of any nature, during the execution of the above work, the department will not be held responsible or liable to make any compensation to contractor's labour.

**17. GENERAL**

All the disputes arising out of and touching or relating to the subject or later on this agreement shall be subject to the jurisdiction of the local courts of Saharanpur and High Court Bench at Lucknow.

17.1 In case of any loss or damage to Nigam's property during the execution of work

due to negligence on the part of contractor's artisans / labour, the contractor has to bear the charges of these losses as assessed by the Executive Engineer, Hydel Generation Division, Khatra Power House Badshahbagh (Saharanpur). In this regard, the decision of Executive Engineer will be final and binding on the part of contractor.

17.2 The contractor will observe all the rules and regulations of Factory, Act, Workman Compensation Act Etc.

**18. NOTICE TO CONTRACTOR**

Any notice to be given to the contractor may if the UPRVNL Engineer think fit be posted to his address or handed over to his authorized representative and such posting or acknowledgement shall be deemed to have been served such notice and the time mentioned and the general conditions for doing any act after notice should reach him in normal course.

**19. AGREEMENT**

The successful tenderer shall have to execute an agreement for completing the work according to these specifications on Stamp Paper worth Rs. 100.00 only which will be provided by him at his own cost within ten days of receipt of letter in this reference.

**20. GUARANTEE**

The works under these specifications shall have to be guaranteed for satisfactory performance upto the date of completion of contract.

21. If work allotted / awarded, a affidavit, on stamp paper of Rs. 10.00 is to be submitted for exemption of stamp duty.

  
Executive Engineer  
Executive Engineer  
Hydel Generation Division  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.  
Uttam Buzarhi, Jang (Saharanpur)

Signature of Contractor  
With seal  
For Ravish Hydro Corporation

  
Partner

  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.

**TECHNICAL SPECIFICATIONS / SCOPE OF WORK****TENDER SPECIFICATION: 11/RGD/2025-26**

**NAME OF WORK:** Complete Sealing of Bye-Pass Gate no. 02 and Replacement of Damaged Bearings, Gate End Sprocket, Rubber Seal & Repairing/ Maintenance of Chain Sprocket Systems, Hinge Mechanism, Gate Sluice Valves and other associated fittings alongwith Painting of Bye-Pass Gate no. 02.

**SCOPE OF WORK**

1. Complete sealing of Bye-Pass Gate No. 02 with the help of Sal wood sleepers and appropriate rubber/silicone sealing materials.
2. Replacement of Damaged Bearings, Gate End Sprocket, Rubber Seal & Repairing/ Maintenance of Chain Sprocket Systems, Hinge Mechanism, Gate Sluice Valves and other associated fittings.
3. Enamel and Epoxy Painting of Bye Pass Gate No. 02 and its Structures
4. Removal of Sal wood sleepers and appropriate rubber/silicone sealing materials from the Channel Guides of Bye Pass Gate No. 02

Testing of Bye-Pass Gate No. 02 after completion of overhauling

  
Executive Engineer

Signature of Contractor  
With seal

For Rawish Hydro Corporation

  
Partner

Signature of  
Executive Engineer  
BE No. 11/RGD/2025-26/11  
Rawish Hydro Corporation

  
(Partner)  
Rawish Hydro Corporation









**ANNEXURE-4**

**Design Energy Proof as provided by  
Khara HPS**

1  
Charaka  
10/10/2019  
10/10/2019 (C/S 10/10/2019)



कार्यालय अधिशासी अभियन्ता  
जल विद्युत संचालन कर्म,  
उठ प्रो राज्य विद्युत उत्पादन निगम लि,  
बारा-सालाहीन, बारा-सालाहीन- २४१२२



CIN-UJ1901LP1985GCE001133 (Email- ee.raj@npsc.co.in)

पत्रांक 1017- /अधिशासी/ K/M

दिनांक 29.12.25

अधीनस्थ अभियन्ता (अभियन्ता),  
उठ प्रो जल विद्युत निगम लि,  
12<sup>वां</sup> तल बकिा बदन विस्तार,  
14, अशोक मार्ग, लखनऊ।

विषय: बारा जल विद्युत गृह के विद्युत दरजी के सम्बन्ध में।

सूचना अवगत कराना है कि बारा जल विद्युत गृह, बारा-सालाहीन के सम्बन्ध में उचित सूचना निम्नलिखित है-

| क्र. सं. | स्थापित क्षमता (मेगा वॉट) | एकल विद्युत दरजी (कि.मी.) |
|----------|---------------------------|---------------------------|
| 1        | 3x24 MW                   | 385                       |

सूचना सूचनाएं एवं आवश्यक कार्यवाही हेतु।

  
(अधीनस्थ अभियन्ता)  
अधिशासी अभियन्ता

  
(अधीनस्थ अभियन्ता)  
अधिशासी अभियन्ता

**ANNEXURE-5**

**List of work order and supporting documents for Rihand HPS**

  
[Signature]  
[Name]  
[Designation]

**यूपी० राज्य विद्युत उत्पादन निगम लिमिटेड**  
**U.P. RAJYA VIDYUT UTPADAN NIGAM LTD.**

Registered Office: 12<sup>th</sup> floor, Shakti Bhawan Extension, 14-Ashok Marg, Lucknow-226001  
(U.P. GOVERNMENT ENTERPRISE)

**कार्यालय-**  
अधिकाारी अभियन्ता,  
विद्युत उत्पादन विभाग,  
पिपरी, बजालय-तुर्ग,  
जनपद: सोनभद्र-231221



विद्युत एवं संचालन में उत्तम कार्य  
E-mail: uvg@vip10@gmail.com  
CIN No. U33101UP199800007133

Office of the -  
Executive Engineer  
Electricity Generation Division  
Pipi, P.O. Targa  
Dist.: Sonbhadra-231221

पत्रांक 1944/विद्युत/बजट

दिनांक-26/12/2025

अधिकाारी अभियन्ता (वर्गिज्य)  
उत्पादन विभाग (जल विद्युत संचय)  
12वां तल, शक्तिभवन बिल्डिंग,  
14 अशोक मार्ग, लखनऊ।

विषय-विषय में जल विद्युत पुरा की वित्तीय वर्ष 2024-25 से 2025-26 हेतु बजटगत टेंडर प्रक्रिया में सम्बन्ध में।  
कृपया उपरोक्त विषयक आदेश कार्यालय पत्रांक 169/अवीउउवि(वर्गिज्य)/MYT Petition तद्विषयक 24.  
12.2025 में अनुपालन में यचित कृपया निम्नसार है -

| Works of Capital Budget 2024-25 |   |                                   |                 |
|---------------------------------|---|-----------------------------------|-----------------|
| S. No.                          | Name of Work  | Issued Age./LO/PO                 | Amount with GST |
| 1                               | Fabrication erection and commissioning of Cross Piece in draft tube of unit No-04 | 04/EGD/2024-25<br>Date 28.08.2024 | Rs.21,56,320.80 |
| Works of Capital Budget 2025-26 |   |                                   |                 |
| 1                               | Supply Installation & commissioning of 02 Nos. 75 HP submersible dewatering pump. | Approval                          | Rs.37,17,800.00 |
| 2                               | Fabrication, Installation and testing of 01 Nos. Stop log gate                    | Approval                          | Rs.41,30,800.00 |
| 3                               | Replacement of cross piece of machine   | Approval                          | Rs.22,42,800.00 |
| 4                               | Dismantling and construction of damage AE & JE office                             | Approval                          | Rs.2,93,702.00  |
| 5                               | Erection of fixed light with pole   | Approval                          | Rs.25,96,000.00 |
| 6                               | Procurement of boat with Engine   | Approval                          | Rs.43,42,400.00 |
| 7                               | Supply & commissioning One set: TVS Batteries 220 V 650AH                         | Approval                          | Rs.33,35,860.00 |
| 8                               | Supply & Installation of 16 No: AMR Integrated EVT Energi Meter                   | Approval                          | Rs.39,50,000.00 |

उत्तरांक-पिपरी

(आचार्य सुभाष मुखर्जी)  
अधिकाारी अभियन्ता

पत्रांक - 1944/विद्युत/बजट, तद्विषयक -

अधिकारि निर्देशिकाओं के अनुसार एवं आवश्यक कार्यवाही हेतु प्रेषित-

1. मुख्य अभियन्ता (विधि एवं बजट) 12वां तल, शक्तिभवन बिल्डिंग, 14 अशोक मार्ग, लखनऊ।
2. अधीक्षण अभियन्ता, जल विद्युत उत्पादन बंकर, पिपरी-सोनभद्र।

(आचार्य सुभाष मुखर्जी)  
अधिकाारी अभियन्ता

Ribhand  
KUM 37

भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

रु. 100



ONE  
HUNDRE  
RUPEES

म-62

18 APR 2024

भारत INDIA  
INDIA NON JUDICIAL



उत्तर प्रदेश UTTAR PRADESH

GT 000622

AGREEMENT No.04/EGD/2024-25

DATED:28.08.2024

THIS agreement made on the 28.08.2024 between Sri Kartikey B Sharma S/o Late Bhupendra Sharma on behalf of M/s Hydro Engineers & Divers (India) Pvt. Ltd., A3/83, Broadway Avenue, Shanti Park, Mira Road (B), Thane 401107 (hereinafter referred to as "Contractor") of the one part and the U.P. Rajya Vidyut Utpadan Nigam Limited (Jal Vidyut Unit) and having its office at 12<sup>th</sup> floor, Shaheed Bhawan Extension, 14-Ashok Marg, Lucknow-226001 (hereinafter called the "Nigam") of the other part.

WHEREAS the Nigam is about to carry out work against E-Tender No. 30/EGD/2023-24 and Tender Id No.: 2023\_UPJVN\_872350\_1 opened on date 23.01.2024 (Part-I) & 20.02.2024 (Part-II) for "Fabrication, erection and commissioning of cross piece in draft tube of unit No.4 at Rihand Power Station, Pipri, Sonbhadra" and as per Annexure-I & II enclosed herewith (hereinafter called the work) mentioned, assentance referred to is the general conditions, special conditions, technical specifications, programs, schedules, drawings, tender of contractor and schedules of prices for purpose of identification have been signed by Sri Kartikey B Sharma and the Executive Engineer, Electricity Generation Division, Pipri, P.O. Turra, Sonbhadra (U.P.), the Engineer of the Nigam on behalf of the Nigam and all of which are deemed to form part of the contract as though separately set out herein and are included in the expression, contract whenever herein used.

AND whereas the Nigam has accepted the tender of the contractor for the provisions and execution of the said work for sum of Rs.18,27,560.00 (Rs. Eighteen Lax, Twenty Seven Thousand, Five Hundred Sixty only) + GST extra as per rule upon the terms and subject to the conditions mentioned.

I, these present witnesses and the parties hereto hereby agree and are as follows that is to say in consideration of the payment to be made to the contractor by the Nigam as herein after mentioned the contractor shall duly provide the said plant for the said works and shall do and perform all works and things in the contract mentioned or described or which are implied there from or therein respectively or may be reasonably necessary for the completion of the said works within and at the times and in the manner and subject to the terms conditions and stipulations mentioned in the said contract.



*[Signature]*

*[Signature]*

(Sd/-) (Date) (Place)

P.T.O.  
Executive Engineer  
Electricity Generation Division  
U.P. Rajya Vidyut Utpadan Nigam Ltd.  
Pipri - Sonbhadra

2/10

(2)

AND in consideration of the due provisions, erection, execution, construction and completion of the said works and the maintenance thereof as aforesaid the Nigam will pay to the contractor the said sum of Rs.18,27,560.00 (Rs. Eighteen Lac, Twenty Seven Thousand, Five Hundred Sixty only) + GST extra as per rate for the quantities of works involved on the basis of firm unit rates or such other sums as may become payable to the contractor under the provisions of the contract such payment to be made at such time and in such manner as is provided by the contract.

Date of start of work: Date of start of work shall be intimated later

Date of completion of work: 45 days based on shut down

IN witness whereof the parties hereto have signed this deed hereunder on the dates respectively mentioned against the signature of each

Signed by,

(KARTIKEY B SHARMA)  
CONTRACTOR



For &amp; on behalf of the Contractor

WITNESSES:

1. Signature:

Name: Sanjeev Sinha

Address: D-10, G-198 (P)  
P.O. Tura - Puri

2. Signature:

Name: Lalit Singh

Address: Sh. No. 06 (D) Murli Nagar, Jhansi  
Dist. Sonbhadra

Signed by,

(ASIS KUMAR GUPTA)  
EXECUTIVE ENGINEER

Executive Engineer (Supply)

U.P. State Power Corporation Ltd.

For &amp; on behalf of the Nigam

1. Signature:

Name:

Ashwani Kumar  
AO.

Address:

2. Signature:

Name: Ajeem Singh

Address: EOD Puri

(KARTIKEY B SHARMA)  
CONTRACTOR



(ASIS KUMAR GUPTA)  
EXECUTIVE ENGINEER

Executive Engineer  
Electricity Generation Division  
U.P. State Power Corporation Ltd.  
Puri - Sonbhadra

*Handwritten signature*  
For witness (only 01 copy)

**FORMAT FOR ADMINISTRATIVE APPROVAL**

|    |   |  |
|----|---|--|
| 1  | Name of Project/Circle/Division   | Executive Engineer, Electricity Generation Division<br>Hydel Generation Circle, Pipri, Sonbhadra.  |
| 2  | Name of materials/Details of work   | Fabrication, erection and commissioning of cross piece in draft tube of Unit no. 2 at Riband Power Station Pipri   |
| 3  | Justification   | As mentioned on overleaf   |
| 4  | Period of requirement/estimated period of completion of work  | 25 days  |
| 5  | Quantity of materials/work  | As per list enclosed   |
| 6  | Actual consumption during the corresponding period of last year in case of material details of similar work carried out last.                 | Agreement No. 04/EGD/2024-25 dated 28.08.2024 amounting Es. 18,27,560.00   |
| 7  | Quantity available in the store/expenditure incurred for similar work done last   | Nil  |
| 8  | Quantity already on order or in pipeline for materials  | Nil  |
| 9  | Net requirement   | As per list enclosed.  |
| 10 | Estimated value of the materials to be procured/ estimated value of work to be carried out for which administrative approval is being sought. | Rs. 19,18,938.00 (Rs. Nineteen Lakh Eighteen Thousand Nine Hundred Thirty Eight Only) and taxes extra.   |
| 11 | Name of project to which this expenditure is to be booked   | Capital work of Riband Power Station, Pipri  |
| 12 | Name of consignee   | Executive Engineer, Electricity Generation Division, Pipri, Sonbhadra  |
| 13 | Total value of this administrative approval in the financial year 2025-26   | Rs. 19,18,938.00 (Rs. Nineteen Lakh Eighteen Thousand Nine Hundred Thirty Eight Only) and taxes extra  |
| 14 | Remarks:  | - It is requested to kindly accord administrative approval along with financial approval for Rs. 19,18,938.00 (Rs. Nineteen Lakh Eighteen Thousand Nine Hundred Thirty Eight Only) and taxes extra, for above work, through e-tender in the interest of Nigam work. An Amount of Rs. 22,000 Lac is provisioned for above work in Capital work Budget for FY 2025-26. |

Recommended for Approval

*(Signature)*  
 (S. C. Bhatnagar) 25/08/2025  
 S.E. HCC, Pipri

*(Signature)*  
 (Ash Kumar) 25/08/25  
 EXECUTIVE ENGINEER

*(Signature)*  
 S.E. HCC, Pipri

*(Signature)*  
 02/11/2025

CE (P&M), UPRVNL (Hydro Unit), Lucknow  
*(Signature)*

\* May accord administrative financial approval amounting to Rs. 19,18,938.00 + GST + extra through e-tender basis. The said approval shall be subjected to the limit of budget approval for FY. 2025-26.

*(Signature)*

### FORMAT FOR ADMINISTRATIVE APPROVAL

|    |  |  |
|----|--|--|
| 1  | Name of Project/Circle/Division  | Executive Engineer, Electricity Generation Division / Hydel generation Circle, Pipri, Sonbhadra  |
| 2  | Name of materials/Details of work  | Supply of new 02 Nos. 75 H.P submersible pump with starter panel as well as other materials and replacement with BHR - 42 Dewatering Pump required for the dewatering system at Rihand Power Station Pipri |
| 3  | Justification  | As mentioned on overleaf   |
| 4  | Period of requirement/estimated period of completion of work   | 45days   |
| 5  | Quantity of materials/work   | As mentioned in row 2 above  |
| 6  | Actual consumption during the corresponding period of last year in case of material/ details of similar work carried out last  | N/A  |
| 7  | Quantity available in the store/ expenditure incurred for similar work done last   | N/A  |
| 8  | Quantity already on order or in pipeline for materials   | N/A  |
| 9  | Net requirement  | As Above   |
| 10 | Estimated value of the materials to be procured/ estimated value of work to be carried out for which administrative approval is being sought.  | Rs. 31,93,028.00 (Rs. Thirty-One Lakh Ninety-Three Thousand Twenty-Eight Only) and taxes extra   |
| 11 | Name of project to which this expenditure is to be booked  | Capital works of Rihand Power Station, Pipri   |
| 12 | Name of consignee  | Executive Engineer, Electricity Generation Division, Pipri, Sonbhadra  |
| 13 | Total value of this administrative approval in the financial year 2025-26  | Rs. 31,93,028.00 (Rs. Thirty-One Lakh Ninety-Three Thousand Twenty-Eight Only) and taxes extra   |
| 15 | <b>Remarks:</b> It is requested to kindly accord an administrative approval along with financial approval for Rs. 31,93,028.00 (Rs. Thirty-One Lakh Ninety-Three Thousand Twenty-Eight Only) and taxes extra, so that above mentioned work may get done in the interest of Nigam by floating open e-tender.<br>Note- An amount of Rs. 32 lakh is approved for above in Capital budget of EGD Pipri for FY 2025-26. |  |

Recommended for approval

*(Signature)*  
(S.C. Bhatnagar)  
S.E. HGC, Pipri

*(Signature)*  
S.E. HGC, Pipri

*(Signature)*  
21/11/25

*(Signature)*  
(Ash Kumar Gupta)  
EXECUTIVE ENGINEER

(Shalish Singh)  
C.E. (O&M), UPJVN, Lucknow

*(Signature)*  
21/11/25

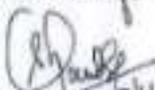
May accord administrative & financial approval amounting to Rs. 31,93,028.00 + GST + extra through open e-tender basis. The said approval is subjected to the limit of budget approval for FY 2025-26.

*(Signature)*  
21/11/25

**FORMAT FOR ADMINISTRATIVE APPROVAL**

|  |  |
|--|--|
| Name of Project/Circle/Division  | Executive Engineer, Electricity Generation Division /<br>Hydel Generation Circle, Pipri, Sonbhadra.            |
| Name of materials/Details of work  | Supply installation testing and commissioning 93 Nos.<br>High Mast light in central store EGD Pipri Sonbhadra. |
| Justification  | As mentioned on overleaf   |
| Period of requirement/estimated period of completion of work   | 60 days  |
| Quantity of materials/work   | As per list enclosed.  |
| Actual consumption during the corresponding period of last year in case of material/ details of similar work carried out last.   | N.A.   |
| Quantity available in the store/ expenditure incurred for similar work done last   | Nil  |
| Quantity already on order or in pipeline for materials   | Nil  |
| Net requirement  | As per list enclosed.  |
| Estimated value of the materials to be procured/ estimated value of work to be carried out for which administrative approval is being sought.  | Rs. 22,32,490.00 (Rs. Twenty Two Lac Thirty Two Thousand Four Hundred Ninety Only) plus GST extra.             |
| Name of project to which this expenditure is to be booked  | O&M of Rihard Power Station, Pipri.  |
| Name of assignee   | Executive Engineer, Electricity Generation Division,<br>Pipri, Sonbhadra                                       |
| Total value of this administrative approval in the financial year 2025-26  | Rs. 22,32,490.00 (Rs. Twenty Two Lac Thirty Two Thousand Four Hundred Ninety Only) plus GST extra.             |
| Progressive value up to this administrative approval   | Rs. 22,32,490.00 (Rs. Twenty Two Lac Thirty Two Thousand Four Hundred Ninety Only) plus GST extra.             |
| Remarks: - It is requested to kindly accord administrative approval along with financial approval for Rs. 22,32,490.00 (Rs. Twenty Two Lac Thirty Two Thousand Four Hundred Ninety Only) plus GST extra for above work, through e-tender in the interest of Nigam work.<br>An Amount of Rs. 24.8 Lac is provisioned for above work in capital work Budget for FY 2025-26 |  |

Recommended for Approval

  
(R. C. Bhatnagar)  
S.E. HGC, Pipri  
17/11

  
E.E. (O&M)  
Charhale

  
E.E. (O&M)  
Charhale  
15/11/2025

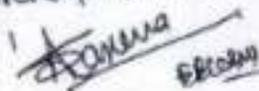
(Shalish Singh)  
C.E. (O&M), UPRVNL (Hydro Unit), Lucknow

  
E.E. (O&M)  
Charhale

  
(Ashu Kumar Gupta)  
EXECUTIVE ENGINEER

\* may accord admin. & financial approval amounting to Rs. 22 lac plus GST extra through open

tender basis. Financial approval is subjected to the cost of budget approval for F.Y. 2025-26

  
E.E. (O&M)

FORMAT FOR ADMINISTRATIVE APPROVAL

|  |   |
|--|---|
| Name of Project/Circle/Division  | Executive Engineer, Electricity Generation Division, Pipri (Sonbhadra) (Hydel Generation circle Pipri).           |
| Name of materials/Details of work  | Fabrication, Erection, Testing and Commissioning of 01 No. Stop Log Gate (08 Ft.) at Rihand Power Station, Pipri. |
| Period of requirement/estimated period of completion of work   | 03 Months   |
| Quantity of materials/work   | 01 No. Stop Log Gate (08 Ft.)   |
| Actual consumption during the corresponding period of last year in case of material/ details of similar work carried out last.   | N/A   |
| Quantity available in the store/expenditure incurred for similar work done last  | N/A   |
| Quantity already on order or in pipeline for material  | N/A   |
| Use Requirement  | 01 No. Stop Log Gate (08 Ft.)   |
| Estimated value of the material to be procured/estimated value of work to be carried out for which administrative approval is being sought.  | Rs. 36,12,831.00 (Rs. Thirty-Six Lakh Twelve Thousand Eight Hundred Thirty-One Only) and taxes extra.             |
| Name of project to which this expenditure is to be booked  | Capital works of Rihand Power Station, Pipri  |
| Name of the *consigner in case of purchase of material /Name of the signatory of the contract in case of work  | Executive Engineer, Electricity Generation Division, Pipri (Sonbhadra)  |
| Total value of this administrative approval in the financial year 2025-26  | Rs. 36,12,831.00 (Rs. Thirty-Six Lakh Twelve Thousand Eight Hundred Thirty-One Only) and taxes extra              |
| Remarks: It is requested to kindly accord administrative approval along with financial approval for Rs. 36,12,831.00 (Rs. Thirty-Six Lakh Twelve Thousand Eight Hundred Thirty-One Only) and taxes extra, for above work, through e-tender in the interest of Nigen work. An Amount of Rs. 35.00 Lac is provisioned for above work in Capital work for FY 2025-26 for EGD and remaining amount shall be taken in revised budget in such way that total budget will not exceed. |   |

Approved for Approval

*(Signature)*  
A.C. Mishra  
A.C. Mishra  
A.C. Mishra, Pipri

*29/8/25*  
(Amit Kumar Gupta)  
EXECUTIVE ENGINEER

\* may accord administrative & financial approved amounting

(Shalish Singh)  
C.E. (O&M), EPRVNL (Hydel Unit), Lucknow

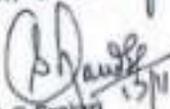
to Rs. 35 Lakhs to ST + extra through e-tender basis. The said approval shall be subjected to the condition of budget approval for R.Y. 2025-26

*(Signature)*  
A.C. Mishra

### FORMAT FOR ADMINISTRATIVE APPROVAL

|    |  |  |
|----|--|--|
| 1  | Name of Project/Circle/Division  | Executive Engineer, Electricity Generation Division /<br>Hydel Generation Circle, Pipri, Sonabhadra.   |
| 2  | Name of materials/Details of work  | Construction of new AE & JE's Office after dismantling<br>of damaged old AE & JE's Office and renovation of<br>drainage system at control store, EGD, Pipri. |
| 3  | Justification  | As mentioned on overleaf   |
| 4  | Period of requirement/estimated period of<br>completion of work  | 120 days   |
| 5  | Quantity of materials/work   | As per list enclosed.  |
| 6  | Actual consumption during the<br>corresponding period of last year in case<br>of material details of similar work<br>carried out last.   | N.A.   |
| 7  | Quantity available in the store/<br>expenditure incurred for similar work<br>done last.  | Nil  |
| 8  | Quantity already on order or in pipeline<br>for materials  | Nil  |
| 9  | Net requirement  | As per list enclosed.  |
| 10 | Estimated value of the materials to be<br>procured/ estimated value of work to be<br>carried out for which administrative<br>approval is being sought.   | Rs 24,89,990.00 (Rs. Twenty Four Lac Eighty Nine<br>Thousand Nine Hundred Ninety Only) plus GST extra.   |
| 11 | Name of project to which this<br>expenditure is to be booked   | O&M of Riband Power Station, Pipri   |
| 12 | Name of consignee  | Executive Engineer, Electricity Generation Division,<br>Pipri, Sonabhadra  |
| 13 | Total value of this administrative<br>approval in the financial year 2025-26   | Rs 24,89,990.00 (Rs. Twenty Four Lac Eighty Nine<br>Thousand Nine Hundred Ninety Only) plus GST extra.   |
| 14 | Progressive value up to this<br>administrative approval  | Rs 24,89,990.00 (Rs. Twenty Four Lac Eighty Nine<br>Thousand Nine Hundred Ninety Only) plus GST extra.   |
| 15 | <b>Remarks</b> - It is requested to kindly accord administrative approval along with financial approval for<br>Rs 24,89,990.00 (Rs. Twenty Four Lac Eighty Nine Thousand Nine Hundred Ninety Only) plus<br>GST extra. for above work, through e-tender in the interest of Nigam work.<br>An Amount of Rs. 25.0 Lac is provisioned for above work in capital work Budget for FY 2025-26 |  |

Recommended for Approval

  
 (B. C. Baskar)  
 S.E. HGC, Pipri

SE (O&M)  
 Jha/ksb

CE (O&M)  
 Jha/ksb  
 21/11/2025

(Shailish Singh)  
 C.E. (O&M), UPRVNL (Hydro Unit), Lucknow

Jha/ksb  
 21/11/2025

  
 (Ash Kumar Gupta)  
 EXECUTIVE ENGINEER

\* may like to accord adminis  
 the advanced approval amou  
 to Rs 24.89 lac + GST extra th  
 open e-tender basis  
 budget approval.

Jha/ksb  
 21/11/2025  
 SE (O&M)

### FORMAT FOR ADMINISTRATIVE APPROVAL

|   |   |
|---|---|
| 1. Name of Division/ Circle   | Executive Engineer Electricity Generation Division Pipri-Allahabad Generation circle Pipri, Sonbhadra.  |
| 2. Name of material/ item of work   | Supply of 81 No. Speed Boat (Mild Steel) and 01 No. Floating Jetty for CISF unit at RPS Pipri, Sonbhadra.   |
| 3. DESCRIPTION  | Mentioned on overleaf   |
| 4. Quantity of material   | As per list enclosed.   |
| 5. Period of requirement/ estimated time of completion period   | 120 Days  |
| 6. Actual consumption during the corresponding period of last year in case of material/ item of similar work  | Same as per requirement.  |
| 7. Quantity available in store/ expenditure incurred for similar work done last.                              | NIL.  |
| 8. Quantity already on order or in pipe line (last requirement/Column-4-7-8)                                  | NIL.  |
| 9. Estimated value of the material to be procured/estimated value of work                                     | Rs. 36,80,000.00 (Rupees Thirty Six Lac Eighty Thousand only plus GST Extra. Based on tender submitted by M/s Calcutta Sports boats Mfg Pvt.Ltd, 31 Orphanage) Road, Kidderpore, Kolkata.   |
| 10. Name of project estimate to which this expenditure is to be booked  | Capital Work of Rural Power Section, Pipri  |
| 11. Name of the manager in case of purchase of material/ Name of the engineer in the contract in case of work | Executive Engineer Electricity Generation Division, UPRVUNL Ltd Vidyut Dal, Pipri, Sonbhadra.   |
| 12. Total value up to previous administrative approval in the financial year                                  | NIL.  |
| 13. Progressive value up to this administrative approval financial year.                                      | Rs. 36,80,000.00 (Rupees Thirty Six Lac Eighty Thousand only plus GST Extra.  |
| 14. Remarks if any  | It is requested to kindly accord an administrative approval for Rs. 36,80,000.00 (Rupees Thirty Six Lac Eighty Thousand only plus GST Extra for tendring so that above supply may get done in the interest of Nigam work.<br>The provision of above work amount 36.0 Lac plus GST extra has been taken in capital work in budget 2025-26. |

Commanding Officer Approval

*(Signature)*  
C.O. (Sonbhadra)  
22.05.2025

22.05.2025

*(Signature)*

*(Signature)*  
(Anil Kumar Gupta)  
EXECUTIVE ENGINEER

*(Signature)*

(Shalish Singh)

C.K. (M/S) EPRVNL Ltd Vidyut Dal, LUCKNOW

Approved by *(Signature)* Admin. Financial  
control - under hand.

*(Signature)*

|  |   |
|--|---|
| 1. Name of Division/Circle   | Executive Engineer (O&M), Riband Power Station Pipli (Sonebhadra) / Hydro Generation Circle, Pipli  |
| 2. Name of work  | Supply, Installation, Testing and Commissioning of 81 set 120 Batteries for 220V 600 AH, DC system in Riband Hydro Power Station, Pipli.  |
| 3. Justification of Work - As per Annexure   |   |
| 4. Quantity of material/Works  | As per bill   |
| 5. Period of requirement of work   | Immediate   |
| 6. Quantity already on order or in pipe line for materials.  | Nil   |
| 7. Net requirement   | As per estimate   |
| 8. Estimated value of work for which approval is being sought  | Approx. Rs. 28,27,000.00 (Rs. Twenty Eight Lakh Twenty Seven Thousand only)   |
| 9. Name of project estimate in which this expenditure is to be booked  | Capital budget of Riband Power Station, Pipli.  |
| 10. Name of the assignee in case of purchase of material/name of the Engineer of the contract in case of work. | Executive Engineer (O&M), RPS, Pipli, Dist. Sonebhadra.   |
| 11. Other Expenses   | GST shall be charged extra as applicable + (Freight Extra@2% & P&F Extra Charges on Supply portion)   |
| 12. Budget Provision   | This supply & work has been approved in capital budget of F.Y. 2025-26.   |
| 13. Remarks:   | Above estimate has been prepared on the budgeted offer of Exide Industries Limited, Exide House, 1/2, Kirti Indus. Area New Delhi - 110015 as per tender offer no. - L-469/HC/KHARA/25.26/28 IX-08/10/2025.<br>It is therefore requested to kindly accord administrative and financial approval amounting for Approx. Rs. 28,27,000.00 (Rs. Twenty Eight Lakh Twenty Seven Thousand only) + GST shall be charged extra as applicable + (Freight Extra@2% & P&F Extra Charges on Supply portion) to carry out above work as per E- tender basis. |

Recommended for Approval

*[Signature]*  
 (S.C. Baidya)  
 S.E. HGC, PIPRI.

*[Signature]*  
 (Shashi Kant Rai)  
 EXECUTIVE ENGINEER (O&M)

ER (S&M)  
*[Signature]*

ER (O&M)  
*[Signature]*  
 17/10/2025

Chief Engineer (O & M)  
 UPRVUNL (Jal Vidyut Unit)  
 It may accord administrative & financial approval amounting to Rs. 28,27,000 + GST & Freight extra through open e-tender basis. The said approval is subjected to the condition of budget approval for F.Y. 2025-26.

*[Signature]*  
 Chief Engineer (O & M)

*[Signature]*  
 ER (O&M)

**FORMAT FOR ADMINISTRATIVE APPROVAL**

|    |   |   |
|----|---|---|
| 1  | Name of Project/Circle/Division   | Executive Engineer, O&M, Riband Power Station<br>Pipri, HGC Generation Circle, Pipri, Sonbhadra.                    |
| 2  | Name of materials/Details of work   | Supply and installation of 16 Nos. AMR integrated<br>AHT energy meters in Riband power house, Pipri.                |
| 3  | Justification   | As Annexure-1   |
| 4  | Period of requirement/estimated<br>period of completion of work   | 60 days   |
| 5  | Quantity of materials/work  | As per list enclosed.   |
| 6  | Actual consumption during the<br>corresponding period of last year in<br>case of material   | NA  |
| 7  | Quantity available in the store   | Nil   |
| 8  | Quantity already on order or in<br>pipeline for materials   | Nil   |
| 9  | Net requirement   | As per list enclosed.   |
| 10 | Estimated value of the materials to be<br>procured for which administrative<br>approval is being sought.  | Rs. 33,47,993.00 (Rs. Thirty Three Lacs Forty-Seven<br>Thousand Five Hundred Ninety Three only) and taxes<br>extra. |
| 11 | Name of project to which this<br>expenditure is to be booked  | O&M of Riband Power Station, Pipri.   |
| 12 | Name of assignee  | Executive Engineer, O&M, RPS Pipri, UPIVNL,<br>Pipri, Sonbhadra.  |
| 13 | Budget Approval   | This supply & installation has been taken capital Budget of year<br>2025-26 of amount 40Lakhs.                      |
| 14 | Other Expenses  | GST & Freight as actual shall be payable extra  |
| 15 | <b>Remarks</b> - It is requested to kindly accord administrative along with financial approval for<br>Rs. 33,47,993.00 (Rs. Thirty Three Lacs Forty-Seven Thousand Five Hundred Ninety-<br>Three only) and taxes extra for "Supply and installation of 16 Nos. AMR integrated AHT<br>energy meters in Riband power house, Pipri", on Single Quotation Basis so that order may<br>be placed for Supply portion to M/s. Secure Meters Ltd., Unaiapur and For work portion to<br>M/s. Secure Meters Ltd., Ind Fione Raj Chamber 209 R P Marg Lucknow in the interest of<br>Nipam work. |   |

Recommended for Approval

*(Signature)*  
(S. C. Bunkar)  
SE, HGC, Pipri  
12/10

*(Signature)*  
10/10/2025

*(Signature)*  
12/10/2025  
(Shashi Kant Rai)  
Executive Engineer (O&M)

\* The rates seem to be on higher side  
as compared to previous orders. May like  
to record approval for negotiation with  
OEM M/s Secure meters.

*(Signature)*  
C.E. (O&M),  
UPRVNL (Jal Vidyut Wing), Lucknow  
12/10/25

*(Signature)*

**ANNEXURE-6**

**Design Energy Proof as provided by  
Rihand HPS**

*[Handwritten Signature]*  
(Name)  
[Address (City, State, Zip)]

उत्तर प्रदेश राज्य विद्युत उत्पादन निगम लिमिटेड

U.P. RAJYA VIDYUT UTPADAN NIGAM LTD

(U.P. GOVERNMENT ENTERPRISE)

CIN No. U11901UP1985SGC007115

328

कार्यालय-

अधिसारी अधिकाय,  
एच.ए.ए. जंक्शन,  
विद्युत जल विद्युत गृह, विभी  
बोरो-बुरी,  
जलपट्टा-281401  
फोन नं.- 7982334  
फाक्स : 423 / रिजि.गु. / जनदेशन



Office of the-  
Executive Engineer,  
Operation & Maintenance Division  
Rural Power Station, Part  
P.O. Tura,  
Dist. Sonbhadra-231221

दिनांक : 28.12.2025

Through Whatsapp/E-mail

अधीक्षक अधिसूचना (रजि.गु.)  
उत्तर प्रदेश राज्य विद्युत उत्पादन निगम लि.  
(एन विद्युत स्कन्ध)  
12 वीं तल शक्ति भवन विस्तार,  
14-असोक मार्ग, लखनऊ।

विषय : - विद्युत जल विद्युत गृह, विभी से डिजाइन एनटी के सम्बन्ध में।

उपरोक्त विषय के सम्बन्ध में वांछित सूचना निम्नलिखित है :-

| क्रम सं. | समाप्ति क्षमता (मेगा वॉट) | एनटी डिजाइन एनटी (मेगायू) |
|----------|---------------------------|---------------------------|
| 1        | 6x50 MW                   | 920 M.U.                  |

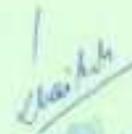
उपरोक्त सूचना सूचना एवं आवश्यक कार्यवाही हेतु भेजित।

(सह. कान्त राय)  
अधीक्षारी अधिकाय (एच.ए.ए. जंक्शन)

*(Handwritten Signature)*  
(रजि.गु.)  
एन विद्युत (एच.ए.ए. जंक्शन)

(H.O.M.): - 9

**ANNEXURE-7****List of work order and supporting documents for Matatila HPS**

  
(Name)  
OFFICE (No. 123456)



**MATATILA POWER HOUSE , DISTT. LALITPUR**

AGREEMENT NO. 12/EGD/2024-25, Dated: 10-01-2025



**TENDER SPECIFICATION NO. 14/EGD/2024-25**

**FOR THE WORK OF**

Supply of 01 no. 200 KVA, 415V, 3 phase silent diesel generator set along with installation testing and commissioning complete in all respect at Matatila Power House.

- Name of Firm** : M/s Rationale Energy Solutions Pvt. Ltd,  
Tower 5, Flat No. 502, Goel Heights,  
Faizabad Road, Anora Kala, Lucknow
- Value of Work** : Rs. 29,99,950.00 (Rs. Twenty-Nine Lakh Ninety-Nine Thousand  
Nine Hundred and Fifty only) + GST extra as applicable
- Date of Start** : Date of start is hereby given as date of readiness of payment as  
per LOI No. 620/EGD/TN-14/24-25 dated 04.12.2024

**EXECUTIVE ENGINEER**  
ELECTRICITY GENERATION DIVISION  
U.P. RAJYA VIDYUT UTPADAN NIGAM LTD. (JAL VIDYUT UNIT)  
MATATILA DIST-LALITPUR

*For Rationale Energy Solutions Pvt. Ltd.*

*[Signature]*  
Director

*[Signature]*  
(Name)  
[Address]





INDIA NON JUDICIAL



332

Government of Uttar Pradesh

e-Stamp

Certificate No. : IN-UP76403000003000X  
 Certificate Issued Date : 06-Jan-2025 12:30 AM  
 Assurance Reference : NERIMPACC (SVY) 141404804/08RA/UP-SN8  
 Unique Doc. Reference : SUBRN-UP/UP145M80407804782136377X  
 Purchased by : M/S RATIONALE ENERGY SOLUTIONS PVT LTD LUCKNOW  
 Description of Document : Article 5 Agreement or Memorandum of an agreement  
 Property Description : Not Applicable  
 Consideration Price (Rs.) : 100  
 (One Hundred only)  
 First Party : M/S RATIONALE ENERGY SOLUTIONS PVT LTD LUCKNOW  
 Second Party : Not Applicable  
 Stamp Duty Paid By : M/S RATIONALE ENERGY SOLUTIONS PVT LTD LUCKNOW  
 Stamp Duty Amount (Rs.) : 100  
 (One Hundred only)



Please Refer to e-Stamp Portal For Details

AGREEMENT NO. 12 /EGD /2024-25

Dated: 10 / 01 / 2025

|     |                        |  |
|-----|------------------------|--|
| 01. | Name of Work :         | Supply of 01 no. 200 KVA, 415V, 3 phase silent diesel generator set along with installation testing and commissioning complete in all respect at Matatila Power House. |
| 02. | Name of Contractor :   | M/s Rationale Energy Solutions Pvt. Ltd.,<br>Tower 5, Flat No. 502, Gool Heights,<br>Fairabad Road, Anara Kala, Lucknow  |
| 03. | Period of Completion : | Supply: - 03 month from date of readiness of payment.<br>Work: - 04 months from date of readiness of payment.  |
| 04. | Contract Value :       | Rs. 29,99,950.00 (Rs. Twenty-Nine Lakh Ninety-Nine Thousand Nine Hundred and Fifty only) + GST extra.  |

This agreement made the \_\_\_\_\_ day of \_\_\_\_\_ 2024 between M/s Rationale Energy Solutions Pvt. Ltd., Tower 5, Flat No. 502, Gool Heights, Fairabad Road, Anara Kala, Lucknow (here-in-after referred to as the Contractor) of the one part and Executive Engineer, EGD, U.P., Rajya Vidya Utpradan Nigam Ltd. Matatila (here-in-after called 'the Engineer' of the contract) of the other part.

For Rationale Energy Solutions Pvt. Ltd.

Director



1. This document is a non-judicial document and is not a legal document.  
 2. This document is not a legal document and is not a legal document.  
 3. This document is not a legal document and is not a legal document.  
 4. This document is not a legal document and is not a legal document.

Whereas the Contractor is about to carry out "Supply of 01 no. 100 KVA, 415V, 3 phase silent diesel generator set along with installation testing and commissioning complete in all respect at Matatila Power House" (herein-after called works) mentioned, enumerated or referred to in certain General Condition, Specification, Schedule, Drawing, Form of tender, Covering letter and Schedule of price which for the purpose of identification have been duly signed by M/S Rationale Energy Solutions Pvt. Ltd., Tower 5, Flat No. 502, Gool Helgas, Faizabad Road, Anara Kala, Lucknow and the EE, EGD, Matatila (the Engineer of the Contract) on behalf of U.P.R.V.U.N. Ltd, all of which are deemed to form part of this contract as though separately set out here in and are included in the expression contract whenever her in used.

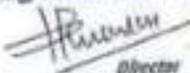
And whereas the purchaser as accepted the tender of the contractor for the provision of the said work from the sum **Rs. 29,99,950.00 (Rs. Twenty-Nine Lakh Ninety-Nine Thousand Nine Hundred and Fifty only) + GST extra as applicable** upon terms and condition here in after mentioned.

Now these present witness and other parties here to here by agree and declare as follows that is to say in consideration payment to be made to the contractor by the purchaser as here in after mentioned the contractor shall provide the said plant for the said works and shall do and perform all other works and the things of the contract mentioned or described or which are implied there from or there in respectively or may be responsible necessary, for the completion of the said work with in and at the times and in the manner and subject to terms conditions and stipulated mentioned in the said contract.

And in consideration of the due provisions of completion of said work and the maintenance there of as aforesaid the purchaser will pay to the contractor the said amount of **Rs. 29,99,950.00 (Rs. Twenty-Nine Lakh Ninety-Nine Thousand Nine Hundred and Fifty only) + GST extra as applicable** at such time and in such manner as is provided by this contract.

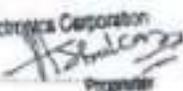
In witness where of the parties here to have signed this deed here under on the date respectively mentioned against the signature of each.

Signature  
For Rationale Energy Solutions Pvt. Ltd.

  
Director

(FOR & BEHALF OF THE CONTRACTOR)

In presence of

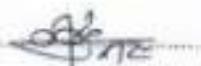
For Power Electronics Corporation  
1   
Proprietor

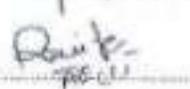
For Matatila  
2 

Signature  


(FOR & BEHALF OF THE PURCHASER)

In presence of

1 

2   
Rajiv K. Singh  
P.E.C.E.

  
(Rajiv Singh)  
29999500 (Rs. 29,99,950)

Tender Specification No. 14/EGD/2024-25 Agreement No. 12/EGD/2024-25 Dated: 10/01/2025

**SCHEDULE OF QUANTITIES & RATES****Name of work:** Supply of 01 no. 200 KVA, 415V, 3 phase silent diesel generator set along with installation testing and commissioning complete in all respect at Matufin Power House.**Supply Portion:**

| S.N.             | Description of Items   | Qty. | Unit | Amount            |
|------------------|--|------|------|-------------------|
| 1                | Silent DG set 200 KVA three phase liquid cooled.<br>(Make: Mahindra)<br>(As per attached General Technical Specifications)   | 1    | No.  | 2387729.35        |
| 2                | Supply of microprocessor-based 630A, 415V ACB (having O/L, S/C & E/F protection)<br>(Make: Siemens/Schneider/L&TC/G)<br>(As per attached General Technical Specifications) | 1    | No.  | 143128.56         |
| 3                | Armoured XLPE 1.5 core aluminium cable 240 sq. mm (Make: Havells/Polycab/Finslex)  | 170  | Mtr. | 291097.00         |
| 4                | Maintenance free electrode Cu earthing with back fill compound   | 4    | No.  | 39035.00          |
| 5                | Armoured XLPE 1.5 core Earthing copper cable 16 sq. mm (Make: Havells/Polycab/Finslex)   | 50   | Mtr. | 12086.88          |
| 6                | Lugs, Termination & Misc. work including materials   | 1    | Job  | 6505.84           |
| <b>Total Rs.</b> |  |      |      | <b>2880183.15</b> |

**Work Portion:**

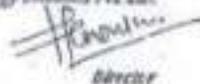
| S.N.   | Description of Items   | Qty. | Unit | Amount              |
|--|--|------|------|---------------------|
| 1  | Firing of microprocessor-based 630A, 415V ACB (having O/L, S/C & E/F protection)<br>(As per attached General Technical Specifications) | 1    | No.  | 15003.18            |
| 2  | Earthing pit (4x2 Mtr.)  | 1    | Job  | 15614.02            |
| 3  | Making of (1.2-4) RCC foundation approx. 4.5 m <sup>2</sup> & Dismantling of old foundations.  | 1    | Job  | 71191.22            |
| 4  | Installation charge (Complete supplied items)  | 1    | Job  | 65058.43            |
| 5  | Buy back of 01 no. 100KVA Diesel make old DG Set   | 1    | Job  | (-) 50000.00        |
| <b>Total Rs.</b>                                       |  |      |      | <b>119746.85</b>    |
| <b>Grand Total Rs. (Supply Portion + Work Portion)</b> |  |      |      | <b>29,99,930.00</b> |

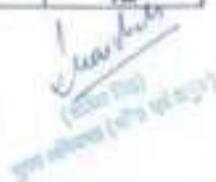
**Total (Rs. Twenty-Nine Lakh Ninety-Nine Thousand Nine Hundred and Fifty Only) + GST Extra Note:**

- Rates offered by the firm for Erection, testing & Commissioning of D.G. sets will be FIRM & FIRM in all respect.
- The firm has to arrange all TAP, Hydras and consumable for Erection, Testing & Commissioning work.
- The firm will provide sales service free of cost up to guarantee period after commissioning date. Firm shall replace all defective/damaged part during this period.
- Visit of service engineers for general check shall be as per guarantee clause.
- Following consumables will be delivered free of cost on the time of material.

| Sl. No. | Items      | Qty.  |
|---------|------------|-------|
| 1.      | Air Filter | 2 Set |
| 2.      | Oil Filter | 2 Set |
| 3.      | Lub Oil    | Full  |
| 4.      | Coal/Oil   | Full  |

For National Energy Solutions Pvt. Ltd.


  
Director


  
N.E.S. Pvt. Ltd.  
370, Industrial Area, Sector 14, Gurgaon


Tender Specification No. 14/EGD/2024-25 Agreement No. [2/EGD/2024-25 Dated: 10/01/2024] Executive Engineer

Name of work: Supply of 01 no. 200 KVA, 415V, 3 phase silent diesel generator set along with installation testing and commissioning complete in all respect at Matazilla Power House.

**TERMS AND CONDITIONS**

|     |   |
|-----|---|
| 1.  | The prices are inclusive of all supply materials, consumables, labour and transportation charges. The rates quoted by contractor shall include cost of all material, labour, T&P etc. required. Nigam will not provide any Material and T&P and Hylio etc. in Form. GST shall be paid extra as legally applicable.  |
| 2.  | Delivery: Material will be delivered only from authorized system house of M/s Mahindra & Mahindra Ltd. within 90 days from the date of confirm Purchase order and intimation of readiness of payment and inspection.  |
| 3.  | Completion Period: Firm has to complete the delivery/Supply of 01 no. 200 KVA, 415V, 3 phase silent diesel generator set along with installation testing and commissioning complete in all respect at Matazilla Power House, Dist. Lalitpur as per the instructions of Engineer-in-charge within 03 months from the date of issue of order/LOI, whichever is earlier.   |
| 4.  | <p><b>Payment:</b></p> <p>a. <b>Supply Portion:</b> 90% payment of the value of supplied items shall be made on receipt and acceptance of goods by the consignee at destination against Purchase invoice and balance 10% shall be retained as performance guarantee which shall be retained after 18 months from the date of receipt and check of material at site or after 12 months from the date of successful installation, commissioning and testing. In case of 100% payment, performance guarantee money 10% of contract value in the form of FDR/BC shall have to be deposited by the contractor and the same shall be released after 18 months from the date of receipt and check of material at site or after 12 months from the date of successful installation, testing &amp; commissioning.</p> <p>b. <b>Work Portion:</b> 90% payment shall be made on job completion basis and balance 10% shall be retained as performance guarantee which shall be released after 12 months from successful completion of entire work. In case of 100% payment, security money @ 10% of contract value in the form of FDR/BC shall be deposited by the contractor and the same shall be released after 12 months from the successful completion of entire work.</p> <p>If the supply/work is not found satisfactory balance 10% payment against complete contract shall be forfeited to the U.P.R.V.U.N.L. account. Payment shall be made after fund received from the Head Office Lucknow against the same.</p> |
| 5.  | In case of 100% payment, Security Deposit @ 10% of contract value in the form of FDR/BC shall have to be deposited by the contractor and the same shall be retained after guarantee period of successful completion of work.  |
| 6.  | Inspection: Inspection will be carried out at works of authorized system house of M/s Mahindra & Mahindra Ltd. within 30 days from the date of confirmation of readiness of Funds.  |
| 7.  | Rates tendered must be valid for 120 days.  |
| 8.  | Any taxes and charges, in case if it is to be charged extra should be mentioned separately and clearly. Documentary proof of the same shall have to be submitted, if required by the purchaser.   |
| 9.  | EMD shall be retained as security.  |
| 10. | Income tax and trade tax shall be deducted as per prevailing Govt. rules.   |
| 11. | <p><b>Penalty:</b> In case supply or work has not been done as per the specifications &amp; instructions of Engineer-in-charge, penalty shall be levied as details under:</p> <p>a. In case contractor does not supply the material within stipulated period, a penalty @ 1% percent per week subject to maximum 10% of the total value of material remained unsupplied, shall be deducted from the bills of the contractor.</p> <p>b. In case contractor does not complete the installation, testing &amp; commissioning work within stipulated time (i.e. 03 Months from readiness of payment) a penalty @ 1% percentage per week subject to maximum 10% of the total value of work, shall be deducted from the bills of the contractor.</p>  |
| 12. | <b>Rejection of Material/Works:</b> The inferior quality of material/ workmanship shall be rejected and the contractor has to replace the same at free of cost. In addition, if quality of work of any manpower does not found satisfactory, contractor has to replace the respective manpower with new one and have to do that work again free of cost.  |
| 13. | <b>Guarantee/Warranty:</b> 12 Months or as per OEM's Policy. During the guarantee period the contractor will be responsible for any defect or shortage. In case the contractor does not attend the defect in time the same will be get repaired/replaced through an outside agency and payment will be deducted from the contractor bill or from the security money.  |
| 14. | T&P, Hylio and skilled / unskilled staff etc to be arranged by the contractor at his own cost.  |
| 15. | Cutting, welding, and machining equipment's are also to be arranged by the contractor himself.  |
| 16. | All consumables such as cleaning agent, Welding electrodes, etc. are to be arranged provided by the contractor at his own cost. The contractor will be loaded over the all required material as tender specification in the concern Junior Engineer.  |
| 17. | Contractor will arrange proper watchman for electrical consumption at his own cost, welding and light cables should be free from defect to avoid any accident. Electricity and compressed air will be supplied by the dept. free of cost.   |

For Attention: Tender documents available for perusal. Installation shall be provided to the contractor as per bills on per Nigam order during

*[Signature]*  
Director

*[Signature]*  
(Name)  
Jr. Engineer (in-charge)



|         | completion of work, if same will available. The electricity charges shall be deducted from bill @ Rs. of 750/- per month.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
|---------|---|---------|------|------|----|------------|-------|----|------------|-------|----|---------|-------|----|---------|----|--|
| 19.     | Approved quality material shall only be used as well as test report must be submitted at the time of supply. Clearance for the same will be given by Junior engineer in charge / Asst. Engineer EGD Miratola / Engineer in charge EGD Miratola.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 20.     | All the cartage / loading / unloading shall be at the firm.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 21.     | The firm will provide sales services free of cost up to guarantee period after commissioning (i.e. Firm shall replace all defective/damaged part during this period).   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 22.     | Visit of service engineer for period shall be as per guarantee clause.  |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 23.     | Guarantee period for work done/supplied material is 24 months from the date of completion of whole work. During the guarantee period the contractor will be responsible for any defect or damages. In case the contractor does not attend the defect in time the same will be got repaired/replaced through an outside agency and payment will be deducted from the contractor bill or from the security money. |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 24.     | Warranty: If Offised equipment should have given at least 02 years proven trouble free operational service in tropical climate. If SC warranty for 1 years/5000 hrs. whichever is lesser.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 25.     | Following consumables will be deducted free of cost on the basis of material.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
|         | <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Item</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air Filter</td> <td>2 Nos</td> </tr> <tr> <td>2.</td> <td>Oil Filter</td> <td>2 Nos</td> </tr> <tr> <td>3.</td> <td>Lub Oil</td> <td>7 Lit</td> </tr> <tr> <td>4.</td> <td>Coolant</td> <td>FM</td> </tr> </tbody> </table>  | Sl. No. | Item | Qty. | 1. | Air Filter | 2 Nos | 2. | Oil Filter | 2 Nos | 3. | Lub Oil | 7 Lit | 4. | Coolant | FM |  |
| Sl. No. | Item  | Qty.    |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 1.      | Air Filter  | 2 Nos   |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 2.      | Oil Filter  | 2 Nos   |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 3.      | Lub Oil   | 7 Lit   |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 4.      | Coolant   | FM      |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 26.     | After completion of work testing & commissioning shall be done by contractor.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 27.     | The contractor will observe the Minimum wage Act, Factory act and labour laws. The Deptt. will not be responsible for any compensation of man & material.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 28.     | All standard conditions of form 'A' and 'B' of UPRVSNL, O&V (Vest) Unit shall be part of the contract.  |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 29.     | Any dispute regarding the contract shall be subject to the jurisdiction of court at Lalpur or high court of Allahabad only.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 30.     | O&V DG Set shall be handed over to firm according to BDO.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 31.     | All spots of paint, oil, grease etc. on the finishwork plant should be cleaned after completion of work.  |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 32.     | Transportation of all supplied material will be the responsibility of the contractor. He will be responsible for any damages in part during Transportation before and during installation.  |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 33.     | For all delays caused on account of Force Major & departmental negligence the contractor shall not be held responsible and necessary extension of time shall be provided.   |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |
| 34.     | Contractor is advised to inspect the site before participating in tender/ causing their visit.  |         |      |      |    |            |       |    |            |       |    |         |       |    |         |    |  |

For Miratola Energy Solutions Pvt. Ltd.

*H. Kumar*  
Director



*Chaudhary*  
(Signature)  
The authority (E.E. Chaudhary)

337

**उपरो राज्य विद्युत उत्पादन निगम लिमिटेड**  
**U.P. RAJYA VIDYUT UTPADAN NIC AM LIMITED**  
**CIN-U31901UP19870000713E**

संपर्कस्थल-  
 अधिष्ठाता अधिकारी,  
 निगम कार्यालय, उत्तर  
 प्रदेश राज्य विद्युत-201133  
 पिन नं.-201002



Office of the-  
 Executive Engineer,  
 Electricity Generation Division,  
 Matilla, Dist. Lalitpur-201133  
 Email: upgen@nicltd.gov.in

№045 / EGD/TN-42/24-25

Date: 30.6.25

M/s Rationale Energy Solutions Pvt. Ltd.  
 Tower 5, Flat No. 502, Gool Heights,  
 Faizabad Road, Antra Kala, Lucknow

Ref: - LOI No. 23/EGB/TN-42/24-25 Dated 26.06.2025

Sub: - Revised Letter of Intent for "Tender No. 42/EGD/2024-25"

Please refer your offer against this office tender No. 42/EGD/2024-25. The same has been accepted by the Project Tender Committee for Rs. 35,95,000.00 (Rs. Thirty-Five Lacs Ninety-Five Thousand only) + GST extra for the work of "Supply, Erection, Testing & Commissioning of 08 Nos. 04 Pole Electrically Draw out microprocessor based 0.4KV, 630A Air Circuit Breakers, 3262/150/320A MCCB Switch Disconnectors, Aluminium bus bar & cubicle panels along with dismantling of existing old 0.4KV LT Panel at Matilla Power Station". Date of start is hereby given as dated 01.07.2025 and work completion period shall be 04 months from the date of readiness of payment with condition of availability: S/D.

Details of supply & work as per below:-

| S. N.            | Description  | Qty/ Unit | Rate (Rs.) | Amount (Rs.)        |
|------------------|--|-----------|------------|---------------------|
| 1                | (a) Dismantling of existing old 0.4KV LT cubicle along with dismantling of all old OCBs and Switch Disconnectors in LT Room.<br>(b) Filling of Cable Boxes for PILC Type Cables after installation of new ACBs.<br>(as per Scope of work)  | 1 Job     | 135150.00  | 135150.00           |
| 2                | (a) Supply of new 0.4KV LT Panel including LT cubicle with Aluminium busbar comprising with 08 Nos. ACB (02 Nos. Incoming ACB, 02 Nos. Outgoing ACB, 03 Nos. Bidirectional ACB, 01 No. Bus Coupler)<br>(b) Supply of 18 Nos. MCCB Switch Disconnectors (06 Nos. 32', 04 Nos. 63A, 06 Nos. 150A, 03 Nos. 320A MCCB Switch Disconnectors).<br>(c) Erection & Commissioning of new 0.4KV LT cubicle, ACBs & MCCB Switch Disconnectors along with Testing of all ACBs & relays.<br>(Details enclosed in Annexure-1)<br>(as per Technical Specifications & Scope of work)<br>Make- ABB/Siemens/Schneider/L&T/C.G. | 1 Set     | 3347225.00 | 3347225.00          |
| 3                | Supply & Installation of remote monitoring system in control room with Supply & laying of 60str PVC Insulated Armoured Industrial Copper Control Cable 14coreX2.5 mm2 from LT Room to control room. (as per Scope of work)   | 1 Job     | 112625.00  | 112625.00           |
| <b>Total Rs.</b> |  |           |            | <b>35,95,000.00</b> |

**TERMS AND CONDITIONS OF CONTRACT**

- Payment:** (a) Supply: For Supply of Material 90% payment to Inst Proforma Invoice with 100% taxes, after receipt of material at site. Material will be delivered only after written confirmation of readiness of payment, before inspection. Rest 10% within 12 months after completion of supply.  
(b) Work: For Works 90% payment with 100% tax after completion of work and rest 10% within 12 months after completion of work.
- In case the work has not been done as per the specifications & in directions of Engineer-in-charge, penalty shall be levied as details under:

*(Signature)*  
 (Date)  
 (Name)

*(Signature)*

(a) In case contractor does not supply the material within stipulated period, a penalty @ 1% percent per week subject to maximum 10% of the total value of material remained unsupplied, shall be deducted from the bills of the contractor.

(b) In case contractor does not complete the installation, testing & commissioning work within stipulated time (i.e. 01 Month) a penalty @ 1% percentages per week subject to maximum 10% of the total value of work, shall be deducted from the bills of the contractor. Contractor shall submit the drawing to UPRVNL, before manufacturing of panel. Manufacturing of panel shall be started only after approval of drawing.

3. **Completion Period:** Supply Portion: 90 days from the date of confirmation and intimation of readiness of payment & Work Portion: 30 days from completion of supply with condition of availability of STD.
4. The payment will be made on the running bill basis.
5. Individual quantity may vary upto any extent but overall value will be restricted to 10%.
6. Income tax shall be deducted at source according to Govt. rules.
7. The contractor will observe the factory act and labour laws. The dept. will not be responsible along with the terms.
8. All documents must be submitted as per tender specification approved, during Preparation of agreement.
9. GST shall be paid extra as legally applicable.
10. All general condition of the contract form 'A' & 'B' of U.P.R.V.L.N.L. shall be applicable along with the terms and conditions of tender specification No. 42/EGD/2024-25.

Please acknowledge the receipt of this letter and visit in office on any working day along with the Non-Judicial stamp paper of Rs. 100/- with the water marked papers & all other required papers (as per Undertaking submitted) to execute the agreement at the earliest.

Thanking You.

Enclosed: Technical Specification & Scope of work

Yours faithfully

*R. K. Chakrabarti*  
(L.K. Chakrabarti)  
Executive Engineer

No. EGD/IN-42/24-25

Date: \_\_\_\_\_

Copy forwarded to following for necessary action.

1. SE, EOC, Matatila, Lalitpur.
2. Assistant Engineer (Electrical) E.G.D, Matatila, Lalitpur.
3. Junior Engineer (Electrical) E.G.D, Matatila, Lalitpur.
4. Divisional Accountant, E.G.D, Matatila, Lalitpur.
5. Case file.

(L.K. Chakrabarti)  
Executive Engineer

*Chakrabarti*  
(Date Recd)  
per signature (Date Recd)



## उत्तम प्रदेश विद्युत उत्पादन निगम लिमिटेड

### U.P. RAJYA VIDYUT UTPADAN NIGAM LIMITED

(Formerly Known as Uttar Pradesh Jal Vidyut Nigam Limited)

(उत्तर प्रदेश जल विद्युत निगम लिमिटेड)

अध्यायी अभियन्ता, Executive Engineer,

विद्युत उत्पादन विभाग, Electricity Generation Division

महाशिला जलपथ-महाशिला, Mahatila Distt -Lucknow-201138

संयोजक निदेशक के निदेश पर कार्य। Save Energy for Health of Self and Nation

CIN-U21991UP19858G007135

E-mail: upvn@upvn.com



Job No.: 39EGD/25

Dated: 20-3-25

No. 076 EGD/TN-39/2024-25

M/s Advent Electric Technologies Pvt. Ltd.,  
Y-51 Okhla Industrial area, Phase-II, Delhi.

Sub: - Letter of Intent for Tender No. 39/EGD/2024-25.

Dear Sir,

Please refer your offer against this office tender no. 39/EGD/2024-25. The same has been accepted by the Project Tender work committee for Rs. 19,00,000.00 (Rs. Nineteen Lac only) + GST extra as applicable for the work of "Supply, Erection, Testing & Commissioning of CO2 Gas flooding system along with all automation accessories for 3x10.2 MW alternators at Mahatila Power Station". Date of start is hereby given as dated 01.04.2025 and work completion period shall be 06 months from the date of order/LOI in condition of provision of Shutdown. Shut down period may be booked in parts to avoid generation losses.

| S. No. | Particular  | Qty/Unit | Amount       |
|--------|---|----------|--------------|
| 01     | Supply, Erection, Testing & Commissioning of CO2 Gas flooding system along with all automation accessories for 3x10.2 MW alternators at Mahatila Power Station (supply/work as follows)   |          |              |
|        | 1. 68 Lit water capacity brand new seamless cylinder with CCOE approval and filled with CO2 gas, fitted with master valve with 24 V DC solenoid and manual lever. (4Nos.)   |          |              |
|        | 2. 68 Lit water capacity brand new seamless cylinder with CCOE approval and filled with CO2 gas, fitted slave valve and pneumatic actuator. (8Nos.)   |          |              |
|        | 3. CO2 cylinder bank assembly suitable to fix (3+3) x 45 kg CO2 gas cylinders in tubular frame assembly with seamless schedule 80 manifold (header) matching flange and online monitoring fixing assembly fully integrated pressure switch, safety valve, non-return valve, SS braided discharge hose, pneumatic actuation hose, terminal boxes, nonferrous fasteners and other required accessories for initial bank. (1set.)  |          |              |
|        | 4. CO2 cylinder bank assembly suitable to fix (3+3) x 45 kg CO2 gas cylinders in tubular frame assembly with seamless schedule 80 manifold (header) matching flange and online monitoring fixing assembly fully integrated pressure switch, safety valve, non-return valve, SS braided discharge hose, pneumatic actuation hose, terminal boxes, nonferrous fasteners and other required accessories for extended bank. (1set.) | 01 Job   | 19,00,000.00 |
|        | 5. CO2 discharge needle conical type with blow-off cap with adaptor (24Nos.)  |          |              |
|        | 6. 4 Nos. of directional valve and joining manifold assembly complete in all respect. (1set.)   |          |              |
|        | 7. Continuous Gas Weight Monitor Analogue-LED Type. (12Nos.)  |          |              |
|        | 8. Discharge Warning Display Unit (2Nos.)   |          |              |
|        | 9. Safety Sign Board - Vacate immediately (3Nos.)   |          |              |
|        | 10. Safety Sign Board - Do Not Enter (3Nos.)  |          |              |
|        | 11. Inhibit/ Abort Switch (9Nos.)   |          |              |
|        | 12. Manual Gas Release (9Nos.)  |          |              |
|        | 13. Electronic Dual Tone Hooter with Flashing Lamp for Indoor Application. (4 Nos.)   |          |              |
|        | 14. Seamless Schedule 80 Pipe as per ATSM-A-106 Gr. B with fittings of suitable 22 NB size (120 mtr.)   |          |              |

*Chaitanya*  
 (Name Sign)  
 निदेशक (विद्युत उत्पादन)

|   |  |
|---|--|
| 15. Non-metallic Schedule 40 Pipe as per ASTM-A-131 Co. B with fittings of suitable size (20 mtr.)                        |  |
| 16. 2 Core 1.5 mm <sup>2</sup> Cu. Aerial TWL Cable for laying out of complete work including all accessories. (1500mtr.) |  |
| 17. Corrosion Proof Detection & Gas Release Alarm Panel working on 4 Zones with 2 No. spare zones. (1Nos.)                |  |
| 18. Main and Standby Selector Switch (2Nos.)  |  |
| 19. Probe Type Fixed Temperature Heat Detector with Junction Box (18Nos.)   |  |
| 20. Online Monitor Control Panel - 2 Area (1Nos.)   |  |
| 21. 25 NB Manual Lock-out Valve with supervisory limit switch (1Nos.)   |  |
| 22. 32 NB Manual Lock-out Valve with supervisory limit switch (2Nos.)   |  |
| 23. Supply of three channel type smoke detector complete with wiring base etc. (12Nos.)                                   |  |
| <b>Total (Rs. Nineteen Lac only) \| 19,00,000.00</b>   |  |

### TERMS AND CONDITIONS OF CONTRACT

- Delivery:** The material shall be supplied within 04 months from the date of issue of order/LOI whichever is earlier. The department shall not be responsible for the delay in the delivery of material in case said requirement is received after expiry of the delivery period.
- Completion Period:** The work completion period shall be 06 months from the date of order/LOI in condition of provision of Shutdown. Shut down period may be broken in parts to avoid generation losses.
- Inspection:** Inspection of the material shall be done as per instruction of Engineer of contract by UPRVUNL representative. The contractor shall make arrangement for inspection accordingly.
- Taxes:** Trade tax, Income Tax/GST & other Govt. levies etc. shall be paid /deducted as per rules.
- Penalty:** In case the work has not been done as per the specifications & instructions of Engineer-in-charge, penalty shall be levied as details under:
  - In case contractor does not supply the material within stipulated period, a penalty @ 1% percent per week subject to maximum 10% of the total value of material remained un-supplied, shall be deducted from the bills of the contractor.
  - In case contractor does not complete the installation, testing & commissioning work within stipulated time (i.e. 06 Months) a penalty @ 1% percentage per week subject to maximum 10% of the total value of work, shall be deducted from the bills of the contractor.
- Site Visit:** - Bidder is advised to visit the site for maintaining proper size of CO2 frame assembly according to space available for the same. In case of problem occur during installation of CO2 frame assembly firm shall be wholly responsible for the same. Firm must have to install the CO2 frame assembly in space available at the site.
- Rejection of Material/Works:** The inferior quality of material/ workmanship shall be rejected and the contractor has to replace the same at free of cost. In addition, if quality of work of any manpower does not found satisfactory, contractor has to replace the respective manpower with new one and have to do that work again free of cost.
- Performance Guarantee:** The contractor shall furnish a bank guarantee in approved form for an amount equal to 10% of the order value. If the contractor does not deposit this bank guarantee than the same amount shall be deducted from contractor's bill. The Bank Guarantee shall be released after the guarantee period (i.e. 1 year after completion of work).
- Payment:** 90% payment along with 100% taxes shall be made to the contractor after successful completion of work on producing the bill for the material delivered. The balance 10% shall be retained as Performance Guarantee, which shall be released after guarantee period on furnishing Bank Guarantee of same amount for the period of Guarantee. If the supply/work is not found satisfactory balance 10% payment against complete contract shall be forfeited to the U.P.R.V.U.N.L. account.
- Dispatch/Works:** The contractor has to provide all consumables/T&P in advance and the job shall be executed with best workmanship.
- Termination of Contract:** The contract can be terminated at any time in case it is found that the material used is not being found the satisfaction of the Engineer -in charge.
- Permission for entering the Power House:** The contractor shall obtain the permission for himself and his employees to enter the power house premises/area for execution of works. The contractor shall take full responsibility for good conduct of his employees engaged for execution & supply.

*Shan Bah*  
 (Signature)  
 11/08/2018  
 (Date)

13. **Liability to Accident/Damages:** The contractor shall be responsible for observing all labor law's etc. issued time to time by the state/central govt. UP Rajya Vidya Upeyan Nigam Ltd. will not be responsible for any mis-happening with his staff or T & P etc. during the execution of the work or to pay any compensation etc. in the event of any accident. Contractor shall remain present at site to supervise the supply & work.
14. **Security Deposit:** The contractor shall furnish a security deposit equal to 10% of contract value. If contractor so desires the earnest money can be adjusted towards this. This security will be released after successful completion of contract.
15. **District:** All disputes arising out of or touching or relating to the subject matter shall be subjected to jurisdiction of local courts of Subarnapur & High Court of Judicature at Allahabad.
16. Income tax shall be deducted in source according to Govt. Rules.
17. Any increase/decrease in the existing taxes or any fresh imposition of levies/taxes by the central/state Government shall be paid/deducted as actual applicable.
18. The contractor will observe the factory act and labour laws. The dept. will not be responsible of any compensation of man and material.
19. All general condition of the contract from 'A' & 'B' of U.P.R.V.U.N. Ltd. shall be applicable along with the terms and conditions of tender specification No. 39/EGD/2024-25.

Please acknowledge the receipt of this letter and visit in office on any working day along with the non-judicial stamp paper of Rs. 100/- with the water marked papers & required documents in place of undertakings, to execute the agreement.

Thanking You

Yours faithfully

*(Signature)*  
 (L.K. Chauhan)  
 Executive Engineer

NO. /EGD/TN-39/2024-25

Date: 20-3-25

Copy forwarded to following for necessary action.

1. SE, HCC, Matatila, Lalitpur.
2. Assistant Engineer (Electrical), E.G.D, Matatila, Lalitpur.
3. Junior Engineer (Electrical), E.G.D, Matatila, Lalitpur.
4. Divisional Accountant, E.G.D, Matatila, Lalitpur.
5. Case file.

*(Signature)*  
 (L.K. Chauhan)  
 Executive Engineer

*(Signature)*  
 (L.K. Chauhan)  
 Executive Engineer

**MATATILA POWER HOUSE, DIST. LALITPUR**

**AGREEMENT NO. 12 /EGD/2025-26, Dated: 24.11.2025**



**TENDER SPECIFICATION NO. 01/EGD/2025-26**

**FOR THE WORK OF**

**Renovation of 80/20 Ton Capacity of EOT crane of Matatila Power House with provision of new remote-control system.**

- Name of Firm** : M/s R.S. Industrials, GS/15, Sagarta Complex, Lambani Nagar, Near HP Petrol Pump, MIDC Hingna Road, Nagpur, Maharashtra
- Value of Work** : Rs. 35,70,000.00 (Rs. Thirty-Five Lakh Seventy Thousand only) + GST extra as applicable.
- Date of Start** : Date of start is hereby given as dated 10.07.2025 and completion period shall be 180 days.

**EXECUTIVE ENGINEER**  
**ELECTRICITY GENERATION DIVISION**  
**U.P. RAJYA VIDYUT UTPADAN NIGAM LTD. (JAL VIDYUT UNIT)**  
**MATATILA DIST-LALITPUR**

*(Faint stamp and signature)*  
 S.C. Sharma / Director / District

*(Handwritten mark)*

*(Signature)*  
 Recd.  
 S.C. Sharma

*(Signature)*  
 24/11/25

*(Signature)*  
 24/11/25  
 Ex. Engr  
 E.G.D. Matatila



महाराष्ट्र MAHARASHTRA

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NAGPUR TREASURY

CY 524100

15 JUL 2025

  
 Stamp Agent/Chk. Sr. Clk.

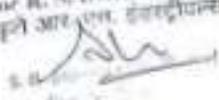
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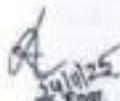
Dated 24 / 11 /2025

|    |                             |   |
|----|-----------------------------|---|
| 01 | Name of Work:               | Renovation of 80/20 Ton Capacity of EOT crane of Matatila Power House with provision of new remote-control system.                              |
| 02 | Name of Contractor:         | M/s R.S. Industrials, GS/15, Sagarta Complex, Lumbani Nagar, Near HP Petrol Pump, MIDC Hingna Road, Nagpur, Maharashtra                         |
| 03 | Total Period of Completion: | Date of start is hereby given as dated 10.07.2025 and completion period shall be 180 days against LOI No. 247/EGD/TN-01/25-26 dated 30.06.2025. |
| 04 | Contract Value:             | Rs. 35,70,000.00 (Rs. Thirty-Five Lakh Seventy Thousand only) + GST Extra as applicable.  |

This agreement made the 24<sup>th</sup> day of November 2025 between M/s R.S. Industrials, GS/15, Sagarta Complex, Lumbani Nagar, Near HP Petrol Pump, MIDC Hingna Road, Nagpur, Maharashtra (here-in-after referred to as the Contractor) of the one part and Executive Engineer, U.P. Rajya Vidyut Utpadan Nigam Ltd., EGD, Matatila (here-in-after called 'the Engineer of the contract') of the other part.

For R. S. INDUSTRIALS  
 इति आर. एस. इंडस्ट्रियल्स


  
 (Date 15/7/25)  
 Sr. Engineer (EOT Cranes)

  
 15/07/25  
 Sr. Engg.  
 EGD, Matatila

Whereas the Contractor is about to carry out "Renovation of 80/20 Ton Capacity of EOT crane of Matatila Power House with provision of new remote-control system" under E.G.D. Matatila, Lalitpur (herein-after called works) and for the purpose mentioned, enumerated or referred to in certain General Condition, Specification, Schedule, Drawing, Form of tender, Covering letter and Schedule of price which for the purpose of identification have been duly signed by the contractor between M/s R.S. Industrials, GS/15, Sagarta Complex, Lumbani Nagar, Near HP Petrol Pump, MIDC Hingna Road, Nagpur, Maharashtra and EE, EGD, Matatila (The Engineer of the Contract) on behalf of U.P.R.V.U.N.L., all of, which are deemed to form part of this contract as though separately set out here in and are included in the expression contract whenever in used.

And where as the purchaser has accepted the tender of the Contractor for the provision of the said work for the sum of **Rs. 35,70,000.00 (Rs. Thirty-Five Lakh Seventy Thousand only) + GST Extra as applicable** as per terms and condition herein-after mentioned.

Now these present witness and the parties here to hereby agree and declare as follows that is to say, in Consideration of the Payment to be made to the contractor by the Engineer as herein-after mentioned, the Contractor shall provide the said work and shall do and perform all other thing and work in the Contract mentioned or described or which are implied form or there in respectively or may be reasonably for the completion of said work within and the time and in the manner and subject to the terms, condition and stipulation mentioned in the said contract.

EE, EGD, Matatila, Lalitpur will pay to the contractor the said sum **Rs. 35,70,000.00 (Rs. Thirty-Five Lakh Seventy Thousand only) + GST Extra as applicable** the whole work upon or such other sums as may be payable to the Contractor under provision of the Contract. Such Payment are to be made at such time and in such manner as provide by this contract.

In witness where of the parties have signed the deed here under on the date respectively mentioned against the signature of each.

Signature,  
For R.S. INDUSTRIALS  
प्रति प्रति. म. र. इण्डियल  
S. C. Sharma 20/10/20  
Director/Owner  
**(FOR & BEHALF OF THE CONTRACTOR)**

Signature,  
**(FOR & BEHALF OF THE PURCHASER)**

In presence of  
1. KRISHNA ENTERPRISES  
प्रति प्रति  
PROPRIETOR

In presence of  
1. प्रति प्रति

2. श्री. प्रदीप कुमार  
Mr. Deepak Kumar Construction  
Village-Bangwan Rata, Matatila  
Lalitpur,  
Mob -6386317746

2. प्रति प्रति

Signature  
10/10/20  
प्रति प्रति

345

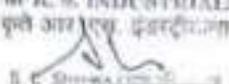
Tender Specification No. 01/EGD/2025-26 Agreement No. 12 /EGD/2025-26 dated: 24 / 11 /2025

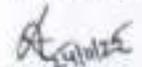
### BILL OF QUANTITIES

Name of the Work : Renovation of 80/20 Ton Capacity of EOT crane of Matatila Power House with provision of new remote-control system.

| Sl. No.   | Item Description   | Qty/ unit | Rate      | Amount       |
|-----------|--|-----------|-----------|--------------|
| 1         | <p>A. Dismantling of old panel of EOT crane and cables complete in all respect (as per scope of work &amp; BOQ).</p> <p>B. Electrical related Work. (as per scope of work &amp; BOQ).</p> <p>C. Mechanical related work. (as per scope of work &amp; BOQ).</p> <p>D. 1. Rail Alignment (as per scope of work &amp; BOQ).</p> <p>2. Servicing of crane wheel 6Nos for LT and 04 Nos for CT. (as per scope of work &amp; BOQ).</p> <p>3. Servicing of gear box of LT, CT &amp; main hoist (as per scope of work &amp; BOQ).</p> <p>4. Servicing of all motors of EOT crane (as per scope of work &amp; BOQ).</p> <p>5. Servicing of main hook and auxiliary hook along with rope drum (as per scope of work &amp; BOQ).</p> <p>6. Servicing of LT hydraulic brake system (as per scope of work &amp; BOQ).</p> <p>E. Testing of final assembled 80/20 Ton EOT crane (as per scope of work &amp; BOQ).</p> <p>F. Painting (as per scope of work &amp; BOQ).</p> <p>G. Required material (as per scope of work &amp; BOQ).</p> | 1 Job     | 3570000/- | 3570000.00   |
| Total Rs. |  |           |           | 25,70,000.00 |

Total (Rs. Thirty-Five Lakh Seventy Thousand only) + GST Extra

For R. S. INDUSTRIALS  
 श्री ३१२ एम. इंस्ट्रुमेंट्स  
  
 R. S. INDUSTRIALS  
 PLOT NO. 7/201

  
 Executive Engineer  
 EGD, Matatila  
 Ex. Engr.  
 E.G.D., Matatila

  
 Chief Clerk  
 (Office Use)  
 प्रमाणित (09/11/2025)

Tender Specification No. 01/EGD/2025-26 Agreement No. 12-/EGD/2025-26 dated: 24/ 11 /2025

**DETAILS OF BILL OF QUANTITIES**

Name of the Work : Renovation of 80/20 Ton Capacity of EOT crane of Matatila Power House with provision of new remote-control system.

| S No. | Descriptions   | Qty/ unit |
|-------|--|-----------|
| A     | Dismantling of old panel of EOT crane and cables complete in all respect as follows:<br>Dismantling of old LT, CT, MCB & AH panels, old cables, old power supply system, old CT Conductor line, LT conductor line, old limit switches, old stopers, old auxiliary pulley & old brake system of EOT crane (as per scope of work).   | 01Job     |
| B     | <b>Electrical related Work</b>   |           |
| 2     | 80/20 Ton EOT Crane Combine Control can Protection Panel with VFD drive for Main Hoist + Auxiliary hoist + Cross Travel + Long Travel + Touch Screens with IP54, RAL7035 Powder coated along with Supply of Remote & Pendant with cables for remote operation of crane. (as per Annexure I) (as per scope of work).  | 01Job     |
| 3     | Supply & fixing of 90 mm new armored XLPE insulated 3.5core 70sqmm Aluminium power cables with cable termination kit at each ends in place of old system. Also Supply& fixing of 20mm armored XLPE insulated 3.5core 25sqmm, 25mm 4core 10sqmm Aluminium power cables. Make: Finalex/Novatils/ Polysab/standard make. (as per scope of work).  | 01Job     |
| 4     | Supply & fixing of 01 No. MCCB 120A, 4P, 20KA TMA release, rotary handle operating mechanism in erection bay in place of old system. Make: ABB/Schneider/BCW/Siemens/standard make. (as per scope of work).  | 01Job     |
| 5     | Supply& fixing of 01No. MCCB switch disconnector panel 120A, 4P, 20KA TMA release, rotary handle operating mechanism with Arrester, Voltmeter and LED indication in cabin in place of old system. Make: ABB/Schneider/BCW/ Siemens/standard make (as per scope of work).   | 01Job     |
| 6     | Supply & fixing of 01No. Cross Travel cable sealing system complete with Drag Chain, trolley and power cable in place of old system (Length=13.5m). (as per scope of work).  | 01Job     |
| 7     | Supply& fixing of 37mm. DGL 230Amp Shrouded type in place of old system. (as per scope of work).   | 01Job     |
| 8     | Supply & fixing of 05 Nos. new Limit switches in place of old system for LT, CT, Main Hook and Auxiliary hook in place of old system. (as per scope of work).  | 01Job     |
| C     | <b>Mechanical related work</b>   |           |
| 1     | Supply and fixing of 08Nos.Stopper complete for LT and CT in place of old system. (as per scope of work)   | 01Job     |
| 2     | Supply & fixing of 01 No. new 20 Ton capacity Auxiliary Pulley having Size: Dia:0.64m, color size0.85cm (For steel wire rope having 24mm dia., 06 strand and 36 wire in each strand) in place of old system. (as per scope of work)  | 01Job     |
| 3     | Supply and fixing of 03Nos.Thrustor brake system for main hook, auxiliary hook and CT in place of old system. (as per scope of work)   | 01Job     |
| D     | <b>I. Rail Alignment:</b>  |           |
|       | a) The Alignment of Rails by measuring the initial span and elevation alignment readings, shall be checked and corrected, and leveling also shall be done.<br>b) Rails shall be cleaned properly.<br>c) Worn out rail segment at the expansion joints shall be repaired.<br>d) Tightening of A&B holding down bolts.<br>e) Checking & leveling of Gantry by water table at different places and correcting the same shall be done so that there will not be any "ABNORMAL SOUND" during crane movement along the complete bay.   |           |
|       | <b>2. Servicing of crane wheel DRNs for LT and 04 Nos for CT:</b>  |           |
|       | a) Open the grease nipple connection of both side of the bearing cover.<br>b) Open the bearing cover bolt and remove the bearing cover plate.<br>c) Clearing of exposed surface of bearing by clean.<br>d) Check the clearance of outer race, inner race, and roller with respect to housing, shaft and bearing race respectively by filler gauge and correct it.<br>e) Clean the bearing housing by cloth thoroughly.<br>f) Fill the bearing housing with new grease.<br>g) Put back the cover plate in position, tighten the cover plate bolt and connect the grease nipple with the grease pipe. Tighten the housing fixing bolt with the crane body.<br>h) Clean the grease pit connected to wheel bearing. Fill the grease pit with new grease and check the grease level regularly.<br>i) Tightening of roller joint bolts of Longitudinal Travel and Cross Travel Beams and replacement of the damaged bolts. | 01Job     |

|   |  |        |
|---|--|--------|
|   | j) Clear chocking of the grease pipe to be assembly.   |        |
|   | <b>3. Servicing of gear box of LT, CT &amp; main hoist:</b>  |        |
|   | a) Cleaning gearbox from outside, all couplings, oil pump, gearbox mounting base, gearbox input shaft and its bottom plate.<br>b) Replacing of oil seals of gear box.<br>c) Replacing of gearbox oil. There should not be any oil leakages from gearbox.<br>d) Connect all coupling after the proper alignment between input and output shaft.   |        |
|   | <b>4. Servicing of all motors of EOT crane:</b>  |        |
|   | a) Disconnection of all motors supply.<br>b) Shifting of all motors on erection bay.<br>c) Dismantling of all motors.<br>d) Servicing of all motors.<br>e) Varnishing of stator winding of motor.<br>f) Replacement of damaged bearing and other related parts if required.<br>g) Assembly of all motors and installed on EOT Crane.<br>Motor details :-<br>Main Hook 80ton 22 KW, 3phase<br>Auxiliary Hook 20ton 11.5 KW, 3phase<br>Cross travel 2.5KW, 3phase<br>Long travel 8.5KW, 3phase   |        |
|   | <b>5. Servicing of main hook and auxiliary hook along with rope drum:</b>  |        |
|   | a) Inspect the top and bottom pulley block assembly of Main Hook and Auxiliary Hook, clean it thoroughly, checking and servicing all the hook bearings and replace the defective parts.<br>b) Thoroughly inspect and clean hoist (AH & MH) ropes and rope drums.<br>c) Servicing of Rope drum, wire rope and support bearing housing.<br>d) Clean the grease pots connected to wheel bearing and clean and repair the entire grease feeding pipe. Fill the grease pot with new grease and check the grease feeding operation.<br>e) Application of cadmium compound on wire ropes of main hook and auxiliary hook.<br>f) Check the operation of hoist. |        |
|   | <b>6. Servicing of LT hydraulic brake system</b>   |        |
|   | a) Dismantling of LT brake system from gear box and all LT wheels.<br>b) Servicing of all LT brake system.<br>c) Replacement of brake shoe and liner. Also Cleaning of all linkages and bearings properly.<br>d) Apply lubricant on all brake systems linkages and bearings.<br>e) Filling of oil in to hydraulic brake.<br>f) Assembly of LT brake system.  |        |
|   | <b>E Testing of final assembled 8020 Ton EOT crane:</b>  |        |
|   | a) The final testing of assembled crane shall be carried in service bay before handing over of crane to UPRVNL with at least 125% weight against 80/20-ton capacity.<br>b) Testing weight/ Water bags shall be arranged by contractor including transportation, loading, unloading and packing of heavy bags.  | 01Job  |
|   | <b>F Painting:</b>   |        |
|   | a) As per IS 3177 & applicable standards.<br>b) Complete crane shall be thoroughly cleaned of all dirt, grease, scale and rust by shot blasting or chemical cleaning method.<br>c) Single coat of primer shall be done on complete crane.<br>d) Two coats of Golden Yellow colour of oil resisting paint.<br>e) Making scaffolding and dismantling for painting.<br>f) EOT crane area to be painted is approx. 750 sqm.  | 01Job  |
|   | <b>G Required material:</b>  |        |
| 1 | Gear oil shall be arranged by the firm for fill up in gearbox up to required level.  | 620lit |
| 2 | Cadmium compound shall be arranged by the firm for wrapping on wire rope of main hook and auxiliary hook.  | 50Ltr. |
| 3 | Grease shall be arranged by the firm for Crane wheels and all movement system of LT and CT.  | 10 kg. |

Note: - GST shall be extra applicable.

प्रतिपत्र नमः प्रेषितम्

S. C. ...  
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... ..  
... ..

*(Handwritten signature)*  
Executive Engineer  
E.O.D. Mettala  
E.O.D. Mettala

Name of Work: - Renovation of 80/20 Ton Capacity of EOT crane of Matafala Power House with provision of new remote-control system.

### Scope of work

- A. Dismantling of old panel of EOT crane and cables complete in all respect as follows:**
1. Disconnect all the power supplies from the main Switch and all cables from the panel and crane motors.
  2. Dismantling of old power cable from LT room to erection bay.
  3. Dismantling of old CT & LT Conductor line.
  4. Dismantling of old limit switches, stoppers, break system and auxiliary pulley.
  5. Dismantling of old LT, CT, MH & AH panels.
  6. Utmost care to be taken by contractor because all above-mentioned items installed at height approx. 10 feet and also varied from place to place.
  7. Shifting of material from Matafala power house to central store.
- B. Electrical related Work**
1. 80/20 Ton EOT Crane Combine Control with Protection Panel with VFD drive for Main hoist + auxiliary hoist + Cross Travel + Long Travel + Touch Screen with IP34, KAL3035 along with Supply of Remote & Pendant with cables for remote operation of crane (as per Appendix 2)
    - a) Install the new combine control with protection panel in the designated location, ensuring secure and stable mounting.
    - b) Fixing of MH+CT+LT+AH -Protective Panel + Touch Screen in the combine control with protection panel.
    - c) Install the VFD drives for the main hoist, auxiliary hoist, cross travel, and long travel systems. Ensure that the drives are properly insulated and wind.
    - d) Mount the touch screen interface. Ensure that it is easily accessible and positioned for user-friendly operation.
    - e) Install the new pendant control system, ensuring that the pendant is securely mounted and connected to the control panel via the provided cables.
    - f) Install and configure the remote-control system with cables for operation from a distance. Ensure the remote system is properly paired with the control panel and tested for functionality.
    - g) All control circuit should be wired with 1100V, 100 PVC copper wire of at least 1.5 mm<sup>2</sup>.
    - h) Making connection of all panels to the respective motor and power supply panel.
    - i) Test the remote and pendant control systems to ensure smooth communication between the operator and the crane's control systems.
    - j) Perform a series of functional tests on the crane's movements, including main hoist, auxiliary hoist, cross travel, and long travel, to verify that the VFD drives are properly controlling the operations.
    - k) Test the VFD drives are correctly controlling the speed and load of the crane's movements. Adjust parameters to ensure optimal performance.
    - l) Test the touch screen interface for precise navigation and control of the crane's movements. Ensure all buttons, switches, and display features are functional.
    - m) Test the remote and pendant control systems are working correctly, ensuring operators can control the crane's movements from both local and remote locations.
    - n) Ensure that all safety functions, such as overheat protection, emergency stop, and fault detection, are working properly with the new control system.
    - o) Conduct a comprehensive inspection of the installation, checking that all connections are secure and that there are no potential safety hazards.
    - p) Adequate clearance between 0.4KV bus shall be provided to ensure safety as per provision in Indian Electricity Rule 1956 and its amendment thereof and also in accordance with the relevant Indian standard specification and the same shall be capable of withstanding the specified high voltage tests as per IS:1311B/IEC-56 and amendment thereof.
  2. Supply & fixing of 90 mtr. new armored XLPE insulated 3.5 core 70sqmm Aluminium power cables with cable termination kit at each ends in place of old system. Also Supply & fixing of 20mtr armored XLPE insulated 3.5 core 25sqmm, 25mtr 4 core 10sqmm Aluminium power cables. Make: Finolex/Flavolta/ Polycab/standard make.
    - a) Laying and fixing of 65 mtr. new armored XLPE insulated 3.5 core 70sqmm Aluminium power cables from LT room to erection bay.
    - b) Laying and fixing of 255 mtr. new armored XLPE insulated 3.5 core 70sqmm Aluminium power cables from MCCB switch at erection bay to DSL System.
    - c) Fixing of 04 Nos. cable termination kit at both ends of cables.
    - d) Connection of cable to MCCB switch disconnector at erection bay and at crane feeder in LT room.
    - e) Fixing of all other cables in place of old system.
    - f) Ensure proper support and fixing of the cable, ensuring no excessive strain is applied to the cable.
  3. Supply & fixing of 01 No. MCCB(25A, 4P,16KA TMA release, rotary handle operating mechanism in erection bay in place of old system. Make: ABB/Schneider/DCS/Siemens/standard make.
    - a) Fixing of 01 No. MCCB(25A, 4P,16KA TMA release, rotary handle operating mechanism in erection bay in place of old system. For It. No. (IND) 3121527-4
    - b) Make connection of cable termination kit at MCCB

S. C. Sharma  
Director

E. Eng.  
EGD, Matafala



### 1. Rail Alignment:

- The Alignment of Rails by measuring the initial span and elevation alignment readings, shall be checked and corrected, rail leveling also shall be done.
- Rails shall be cleaned properly.
- Worn out rails segment at the expansion joints shall be repaired.
- Tightening of A & B holding down bolts.
- Checking & leveling of Gantry by water tube at different places and correcting the same shall be done so that there will not be any "ABNORMAL SOUND" during crane movement along the complete bay.

### 2. Servicing of crane wheel BBus for LT and 04 Nos for CT:

- Open the grease nipple extension of both side of the bearing cover.
- Open the bearing cover bolt and remove the bearing cover plate.
- Clearing of exposed surface of bearing by clover.
- Check the clearance of outer race, inner race, and roller with respect to housing, shaft and bearing race respectively by filer gauge and correct it.
- Clean the bearing housing by cloth thoroughly.
- Fill the bearing housing with new grease.
- Put back the cover plate in position, tighten the cover plate bolt and connect the grease nipple with the grease pipe.
- Tighten the housing fixing bolt with the crane body.
- Clean the grease pan connected to wheel bearing. Fill the grease pan with new grease and check the grease feeding operation.
- Tightening of spline joint bolts of Longitudinal Travel and Cross Travel Beams and replacement of the damaged bolts.
- Clear chocking of the grease pipe before assembly.

### 3. Servicing of gear box of LT, CT & main frame:

- Cleaning gearbox from outside, all sealings, oil pump, gearbox mounting frame, gearbox input shaft and its bottom plate.
- Replacing of oil seals of gearbox.
- Replacing of gearbox oil. There should not be any oil leakages from gearbox.
- Connect all coupling after the proper alignment between input and output shaft.

### 4. Servicing of all motors of EOT crane:

- Disconnection of all motors supply.
- Shifting of all motors on erection bay.
- Dismantling of all motors.
- Servicing of all motors.
- Varnishing of stator winding of motor.
- Replacement of damaged bearing and other related parts if required.
- Assembly of all motors and installed on EOT Crane.

Motors details :-

Main Hook 8Nos - 22 KW, 3phase

Auxiliary Hook 2Nos 11.5 KW, 3phase

Cross travel - 2.6KW, 3phase

Long travel - 8.5KW, 3phase

### 5. Servicing of main hook and auxiliary hook along with rope drum:

- Inspect the top and bottom pulley block assembly of Main Hook and Auxiliary Hook, clean it thoroughly, checking and servicing all the hook bearings and replace the defective parts.
- Thoroughly inspect and clean both (AH & MH) ropes and rope drums.
- Servicing of Rope drum, wire rope and support bearing housing.
- Clean the grease pans connected to wheel bearing and clean and repair the entire grease feeding pipe. Fill the grease pan with new grease and check the grease feeding operation.
- Application of cadmium compound on wire ropes of main hook and auxiliary hook.
- Check the operation of both.

### 6. Servicing of LT hydraulic brake system

- Dismantling of LT brake system from gear box and all LT wheels.
- Servicing of all LT brake system.
- Replacement of brake shoe and liner. Also cleaning of all linkages and bearings properly.
- Apply lubricant on all brake system linkages and bearings.
- Filling of oil in hydraulic brake system.
- Assembly of LT brake system.

S. C. SINGH  
PROJECT ENGINEER

*[Handwritten Signature]*  
PROJECT ENGINEER

Ex-Eng  
E.G.D., Matatia



Tender Specification No. 01/EGD/2025-26 Agreement No. 12/EGD/2025-26 dated: 25/11/2025

Name of Work: - Renovation of 80/20 Tota Capacity of EOT crane of Matatila Power House with provision of new remote-control system.

**TERMS AND CONDITIONS**

|     |   |
|-----|---|
| 1.  | The prices are inclusive of all consumables, labour and transportation charges. The rates quoted by contractor shall include cost of all material, labour, T&P etc. required. Vendor will not provide any Material and T&P etc. compressor available as well as OEM T&P shall be provided to the firm. GST shall be paid extra as legally applicable.   |
| 2.  | The work completion period shall be 180 days for whole work from the date of start of work.   |
| 3.  | Part wise 90% payment shall be made on job completion basis and balance 10% shall be retained as performance guarantee which shall be released after 12 months of successful completion of entire work. Payment shall be made after fund received from the Head Office Lucknow against the same.  |
| 4.  | In case of 90% payment, Security money @ 10% of contract value in the form of FDR/BD shall have to be deposited by the contractor and the same shall be released after 12 month of successful completion of work.   |
| 5.  | Any taxes and charges, in case if it is to be charged extra should be mention separately and clearly. Documentary proof of the same shall have to be submitted, if required by the purchaser.   |
| 6.  | EMD shall be retained as security.  |
| 7.  | Income tax and trade tax shall be deducted at source according to Govt. rules.  |
| 8.  | <b>PENALTY</b> - The contractor has to complete the whole works of L&E as per schedule of quantities and rates according to scope of work within specified period. A penalty of 1% per week subject to a maximum of 10% of value of uncompleted work shall be levied for late completion of work.   |
| 9.  | T&P and skilled / unskilled staff are to be engaged by the contractor at his own cost.  |
| 10. | Cutting, welding, and machining equipments are also to be arranged by the contractor himself.   |
| 11. | All consumables used in work, such as cleaning agent, hardware, welding electrodes, Primer, paints, etc. (mentioned in scope of work) are to be arranged/provided by the contractor at his own cost. The contractor will be handed over the all material required for the complete work of MPPH to the concern Junior Engineer.   |
| 12. | Contractor will arrange proper work board for electrical connections at his own cost, welding and light cables should be free from defects to avoid any accidents. Electricity and compressed air will be supplied by the dept. free of cost as availability.   |
| 13. | Residential and more accommodations shall be provided to the contractor on rent basis (as per Nigan rate) during execution of work, if same will available. The electricity charges shall be deducted from bill @ Rs. of 750/- per month.   |
| 14. | Approved quality material shall only be used at the time of work. Clearance for the same will be given by Junior engineer in charge / Asst. Engineer EGD Matatila/ Engineer in charge EGD Matatila.   |
| 15. | All the cartage / loading / unloading shall be of the firm.   |
| 16. | The contractor will observe the Minimum Wages Act, Factory act and labour laws. The Deptt. will not be responsible for any compensation of man & material.  |
| 17. | All standard conditions of form 'A' and 'B' of U.P.R.V.LIN.L. shall be part of the contract.  |
| 18. | Any dispute regarding the contract shall be subject to the jurisdiction of court at Lucknow or high court of Allahabad only.  |
| 19. | All the parts replaced shall be guaranteed for at least 12 months. All the parts/consumable material shall be of standard make mentioned in scope of work.  |
| 20. | Old and used parts and scrap shall be returned in department (Contractor will hand over the old and used parts to junior engineer in charge), otherwise cost of same shall be deducted from the contractor's bill.  |
| 21. | All spots of paint, oil, grease etc. on the floor should be cleaned after completion of work.   |
| 22. | Transportation of parts from Matatila to work site and back will be the responsibility of the contractor. He will be responsible for any damages in parts during transportation before and after repair.  |
| 23. | Guarantee period for work done is 12 months from the date of completion of whole work/supply of material. During the guarantee period the contractor will be responsible for any defect or damages. In case the contractor does not attend the defect in time the same will be get repaired through an outside agency and payment will be deducted from the contractor bill or from the security money. |
| 24. | Each part shall be properly wash marked to ensure correct re-assembly and alignment of all parts.   |
| 25. | For all delays caused on account of Force Major & Departmental negligence the contractor shall not be held responsible and necessary extension of time shall be provided.   |
| 26. | The contractor will have to submit indemnity bond of suitable value for the parts to be taken out from working site Power House for repair.   |

For M. K. INDIAN  
 25/11/2025  
 S. C. [Signature]  
 Director

[Signature]  
 [Signature]  
 [Signature]

[Signature]  
 Executive Engineer  
 EGD Matatila  
 Ex. Eng.  
 E.G.D., Matatila

353

**उत्तर प्रदेश विद्युत उत्पादन निगम लिमिटेड**  
**U.P. RAJYA VIDYUT UTPADAN NIGAM LIMITED**

Site: UJ1981UP198100007121

कर्मचारी—  
अतिरिक्त अभियंता,  
विद्युत उत्पादन विभाग,  
महादीप्त मण्डल, ललितपुर-204136  
Mob. No. - 7408429637.



Office of the—  
Executive Engineer,  
Electricity Generation Division,  
Matella, Dist. Lalitpur-204136

E-mail: eprnataral@76@gmail.com

No. 582/EGD/CF

Date: 18.12.25

M/s Powerberg Industries,  
W-744, 1 TIRUM, Plot No. A-40,  
Sector-62, Noida (I.P.)

**Subj - Order for Procurement of Moog Motion Controls Pvt. Ltd. make Proportional valve 01 No. for runner blade and 01 No. for Guide Vane for Matella Power House, Lalitpur.**

After getting approval from Project Tender Committee, UPRVUNL (Jal Vidyut Unit) in reference to your bid against tender no. 14/EGD/2025-26, I hereby place an order for Procurement of Moog Motion Controls Pvt. Ltd. make Proportional valve 01 No. for runner blade and 01 No. for Guide Vane for Matella Power House, Lalitpur as per terms and condition as given below.

**Schedule of quantity & price:**

| S. N.                               | Particulars  | Item Description   | Qty    | Rate       | Amount     |
|-------------------------------------|--|--|--------|------------|------------|
| 1                                   | Moog make Proportional valve for controlling of Guide vane suitable with Micro Processor based Digital Electro Hydraulic Governor    | Model: D6R4-4001 and D633-741B(Complete Set)<br>Type: P03HA2P555X2-A<br>S/N: D167<br>P.p: 350 bar<br>P.s: 70 bar<br>Signal: +10 mA<br>Supply: 24 V | 01 No. | 1197731.25 | 1197731.25 |
| 2                                   | Moog make Proportional valve for controlling of runner blades suitable with Micro Processor based Digital Electro Hydraulic Governor | Model: D6R2-4162 and D633-7389 (Complete Set)<br>Type: P01BAUD5NSX2-A<br>S/N: D105<br>P.p: 350 bar<br>P.s: 70 bar<br>Signal: +10mA<br>Supply: 24 V | 01 No. | 1231312.50 | 1231312.50 |
| <b>Total Amount Rs. 24,29,043.7</b> |  |  |        |            |            |
| <b>Qty Amount Rs. 24,29,044.0</b>   |  |  |        |            |            |

**Total (Rs. Twenty-Four Lac Twenty-Nine Thousand Forty-Four only)**

**Terms and Condition:**

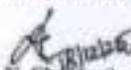
1. **Prices:** The prices are in INR. The rates shall remain firm and FGR Central store, Matella.
2. **Freight and Insurance:** to be paid extra 2.5% of order value.
3. **GST:** It shall be payable extra as legally applicable at the time of dispatch.
4. **Payment:** 90% payment including all taxes shall be paid against Tax invoice after receipt and successful check of material at MPH stores and 10% shall be retained as security deposit. Readiness of payment shall be done against Proforma invoice.
5. **Delivery:** within 20 weeks from date of issue of P.O. or 03 month from date of intimation of Readiness of payment which ever is later.
6. **Penalty:** For delay in supplies beyond the delivery period, a penalty @ 5% per week subject to max 10% of the cost of late delivered material unexecuted work shall be levied.
7. **Consignment:** The material shall be consigned to EE, Electricity Generation Division, Matella, Lalitpur (Contact No- 7408429637, e-mail: eprnataral@76@gmail.com).
8. **Dispatch:** The material shall be dispatched directly from firm works and shall be delivered to central store, Matella Power House, Lalitpur.
9. **Retentions of bill:** Your bill/Tax invoice in accordance with the terms of Payment shall be prepared in duplicate in the name of the Consignor and shall be submitted to him and any future correspondence via regarding payment/dispatch/approval inspection etc. is to be done with the consignee only.

*(Signature)*

10. Security: 10% of bill amount shall be retained as security deposit and shall be paid after 12 months of final supply. For 100% payment firm shall submit 10% amount of order value in the shape of B.G. FORTDIB of scheduled bank valid for 18 months in favour of E.E., EGD, Matatila, Lalitpur, which will cover the security deposit.
11. Inspection Clause: Inspection shall be carried out by UPRVUNL representative after delivery of material at MPE, Lalitpur. NOTE: UPRVUNL.
12. Test Certificate: The firm submit the test certificate of the material at the time of inspection.
13. Performance Bank Guarantee (PBG): For 100% payment of Firm shall submit the PBG of scheduled bank valid for 18 months equivalent to 10% amount of order value in lieu of the performance of the supplied material which shall be released after 12 months from the date of successful working installation of the material or 18 months from the date of supply, whichever is earlier. Alternatively, 10% amount of order value in lieu of Performer's Guarantee may be deducted from bill of the successful supplier.
14. Guarantee Certificate: Firm shall undertake the guarantee of the material supplied or their grosser cost & originality on their letter head for the period of 12 months from material taken in use 18 months from the date of delivery. If any material found defective due to poor material or faulty design/workmanship, the same shall be replaced by the Firm free of cost.
15. Rejection of defective or inferior material: Any defective or inferior material which does not conform to the specifications mentioned in the order shall be rejected and the same will have to be replaced by the Firm at firm's cost.
16. If at any stage during the execution of the purchase order, any documents submitted by the firm is found to be forged or false, Purchase Order will be cancelled. EMD/Security will be forfeited and any other departmental action as deemed fit will be initiated. For this purpose, the supplier shall have to produce original documents, if required, at any stage. Non-compliance of contractual terms once awarded may lead to debar black listing of the Firm for dealing in Nigam.
17. UPRVUNL reserves the right to correct the typographical/circular or any other error in the P.O.
18. The order may be cancelled, if the material is not supplied within five months after the expiry of the delivery period and suitable action shall be taken as per rules.
19. If the Nigam suffers any loss due to infringement of the conditions mentioned in the supply of order, the same will be recovered from any of the firm's pending bills in Nigam and P.O. may be cancelled at any stage without any prior intimation to the firm.
20. In order to meet out any emergency of UPRVUNL, the supplier may be asked to supply part of the ordered material to any other Unit/project of UPRVUNL on same terms & conditions, which will be a binding on the firm.
21. Firm will be responsible to provide the above material with exact dimensions as well as specification to facilitate the correct assembly. Firm will send their representative at the site to take correct dimensions as well as specification of above required material.
22. All other terms & conditions of FORM "B" of UPRVUNL shall also be applicable.

Firm will be responsible to provide the above material with exact dimensions to facilitate the correct assembly. Related documents and drawings shall be submitted to the concern Assistant Engineer (store)/Junior Engineer (store) at the time of delivery for inspection of material. Each supplied material must be suitable for the Moog Motion Controls Pvt. Ltd. make Proportional valve 01 No. for runner blade and 01 No. for Guide Vane for Matatila Power House, Lalitpur.

Please acknowledge the receipt of the order and confirm your acceptance immediately after receipt of order failing which it shall be presumed that P.O. has been accepted by the firm

  
(L.K. Chauhan)  
Executive Engineer

No. /EGD/CF

Dated:

Copy forwarded to following for necessary action and information:-

1. Superintending Engineer, H.G.C. Matatila, Lalitpur.
2. Assistant Engineer, (Mech./Central Store), EGD, Matatila.
3. Junior Engineer (Mech./Central Store), EGD, Matatila.
4. Divisional Accountant, EGD, Matatila, Lalitpur.
5. Case file.

  
(L.K. Chauhan)  
Executive Engineer

  
(L.K. Chauhan)  
Executive Engineer

353

**उ०प्र० राज्य विद्युत उत्पादन निगम लिमिटेड**  
**U.P. RAJYA VIDYUT UTPADAN NIGAM LIMITED**

CIN-UJ1901UP1985SGC007135

कार्यालय-  
प्रबंधकीय प्रशासन,  
विद्युत उत्पादन विभाग,  
महाशिला जलघर, लखनऊ-226018



Office of the-  
Executive Engineer,  
Electricity Generation Division,  
Muzila, Dist. Lalitpur-201136

आ.सं.सं. / 01/EGD/25-26

Email: [ee@upncl.com](mailto:ee@upncl.com)

No. EGD/TN-01/25-26

Dated:

M/s R.S. Industries,  
GS/13, Sagaria Complex, Lambani Nagar,  
Near HP Petrol Pump, MIDC Hingna Road,  
Nagpur, Maharashtra

Subject: Letter of Intent for "Tender no. 01/EGD/25-26"

Please refer your offer against the office tender No. 01/EGD/25-26. The same has been accepted by the Project Tender Committee for Rs. 35,76,000.00 (Rs. Thirty-Five Lakh Seventy Thousand only) + GST extra as applicable for the work of "Renovation of 80- and 20-Ton Capacity of EOT cranes of Muzila Power House with provision of new remote-control system". Date of start is hereby given as dated 10/07/2025 and completion period shall be 180 days for whole work from the date of Shutdown.

TERMS AND CONDITIONS OF CONTRACT

1. Part wise 90% payment shall be made on job completion basis and balance 10% shall be retained as performance guarantee which shall be released after 12 months of successful completion of entire work. Payment shall be made after fact received from the Head Office. Lockup against the same.
2. Contractor has to complete the whole works of LDI in per s. % share of quantities and rates according to scope of work within specified period. A penalty of 10% per week subject to a maximum of 10% of value of uncompleted work shall be levied for late completion of work.
3. The payment will be made on the running bill basis.
4. Individual quantity may vary upto any extent but overall value will be restricted to 10%.
5. Income tax shall be deducted if any, as per Govt. rules.
6. The contractor will observe the factory act and labour laws. The deptt. will not be responsible along with the terms.
7. All documents must be submitted as per tender specifications approved, during Preparation of agreement.
8. GST shall be paid extra as legally applicable.
9. All general condition of the agreement form 'A' & 'B' of U.P.R.V.U.N.L. shall be applicable along with the terms and conditions of tender specification No. 01/EGD/25-26.

Please acknowledge the receipt of this letter and visit in office on any working day along with the non-judicial stamp paper of Rs. 100/- with the water marked paper and other required papers as per Understanding submitted to execute the agreement at the earliest.  
Thanking You.

Yours faithfully

(L.K. Chakrabarti)  
Executive Engineer

NO. 247 EGD/TN-01/25-26

Dated: 30.6.25

Copy forwarded to following for necessary action.

1. SE, HCC, Muzila, Lalitpur.
2. Assistant Engineer (Mech/Ele.) E.O.D., Muzila, Lalitpur.
3. Junior Engineer (Mech/Ele.) E.O.D., Muzila, Lalitpur.
4. Divisional Accountant, E.O.D., Muzila, Lalitpur.
5. Chief file.

(L.K. Chakrabarti)  
Executive Engineer

**ANNEXURE-8**

**Design Energy Proof as provided by  
Matatila HPS**

1  
Chaitanya  
10/10/2019  
2019/10/10/2019

उत्प्रेर राज्य विद्युत उत्पादन निगम लिमिटेड  
U.P. RAJYA VIDYUT UTPADAN NIGAM LIMITED  
(Formerly known as U.P. Pradesh Jal Vidyut Nigam Limited)

अधिसूचना  
विद्युत उत्पादन विभाग,  
राज्यीयता विभाग-लखनऊ  
सर्वोच्च एवं सहायक ने विद्युत ने



Executive Engineer,  
Electricity Generation Division,  
Main Office - Lalapur-204138  
Save Energy for Benefit of Self and Nation

Mail No. - 1000296/17

CIN-431901UPRNG0000185  
(जगत अर्थ विभाग का उत्पादन)

E-mail: updneml1001@gmail.com

संख्या- 699 / विद्युत/ ए.ए.

दिनांक- 29-12-25

अधिसूचना (सामान्य)  
उत्प्रेर राज्य विद्युत उत्पादन निगम लि.  
12वां मूल शक्ति भवन विभाग,  
14, आर्यभट्ट मार्ग, लखनऊ

विषय- राजकीय जल विद्युत पुर के विद्युत एनर्जी के सम्बंध में।

संदर्भ

अवगत करता है कि जल विद्युत पुर, राजकीय, लखनऊ के सम्बंध में शक्ति सूचना निम्नलिखित है :-

| क्रम सं. | स्थापित क्षमता (मेगा वॉट) | सूचना विद्युत एनर्जी (मि.एच.) |
|----------|---------------------------|-------------------------------|
| 1        | 3x10.2 MW                 | 123 MU                        |

आप अपने सुपरवाइजर एवं अधिसूचना कार्यालय हेतु प्रेषित है।

संयोजक

*(Handwritten Signature)*  
(संयोजक विभाग)  
अधिसूचना

*(Handwritten Signature)*  
मुख्य अधिकारी (वि. वि. वि.)

BEFORE THE HON'BLE UTTAR PRADESH ELECTRICITY  
REGULATORY COMMISSION, LUCKNOW

PETITION NO. 2244 OF 2025

IN THE MATTER OF:

U. P. RAJVA VIDYUT UTPADAN NIGAM LIMITED (UPRVUNL)  
... PETITIONER

VERSUS

UTTAR PRADESH POWER CORPORATION  
LIMITED (UPPCL) & ORS. ... RESPONDENTS

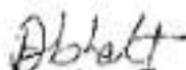
INDEX

| Sr.No. | Particulars  | Pg. No.   |
|--------|--|-----------|
| 1.     | Index  | 1 - 3     |
| 2.     | Reply on behalf of Uttar Pradesh Power Corporation Limited<br>(Respondent No. 1) along with Affidavit and I.D.                       | 4 - 81    |
| 3.     | Annexure - 1<br>A copy of Uttar Pradesh Electricity Reforms (Amalgamation<br>and Merger of State Generating Companies) Scheme, 2023. | 82 - 100  |
| 4.     | Annexure - 2<br>A copy of additional capitalization under Capital and R&M<br>expenses as sought by the Petitioner. (Obra HPS)        | 101 - 105 |
| 5.     | Annexure - 3<br>A copy of Obra HPS Energy Charge Rate, month wise<br>Capacity Charges and Energy Charges.                            | 106 - 109 |

|     |  |           |
|-----|--|-----------|
| 6.  | <b>Annexure - 4</b><br>A copy of additional capitalization under Capital and R&M expenses as sought by the Petitioner. (Khara HPS)           | 110 - 114 |
| 7.  | <b>Annexure - 5</b><br>A copy of Khara HPS Energy Charge Rate, month wise Capacity Charges and Energy Charges.                               | 115 - 118 |
| 8.  | <b>Annexure - 6</b><br>A copy of additional capitalization under Capital and R&M expenses as sought by the Petitioner. (Rihand HPS)          | 119 - 120 |
| 9.  | <b>Annexure - 7</b><br>A copy of Rihand HPS Energy Charge Rate, month wise Capacity Charges and Energy Charges.                              | 121 - 124 |
| 10. | <b>Annexure - 8</b><br>A copy of additional capitalization under Capital and R&M expenses as sought by the Petitioner. (Matatila HPS)        | 125 - 127 |
| 11. | <b>Annexure - 9</b><br>A copy of Matatila HPS Energy Charge Rate, month wise Capacity Charges and Energy Charges.                            | 128-131   |
| 12. | <b>Annexure - 10</b><br>A copy of Upper Ganga Canal HPS proposed additional capitalization.  | 132-133   |
| 13. | <b>Annexure - 11</b><br>A copy of Belkai SHPS proposed additional capitalization and a copy of Bahal SHPS proposed additional capitalization | 134-135   |
| 14. | <b>Annexure-12</b>   | 136-181   |

|     |  |         |
|-----|--|---------|
|     | A copy of Odra HPS Tariff Filing Formats                             |         |
| 15. | Annexure-13<br>A copy of Khars HPS Tariff Filing Formats             | 192-225 |
| 16. | Annexure-14<br>A copy of Rihand HPS Tariff Filing Formats            | 229-272 |
| 17. | Annexure-15<br>A copy of Metalia HPS Tariff Filing Formats           | 273-319 |
| 18. | Annexure-16<br>A copy of Upper Ganga Canal HPS Tariff Filing Formats | 320-365 |
| 19. | Annexure-17<br>A copy of Belka HPS Tariff Filing Formats             | 366-411 |
| 20. | Annexure-18<br>A copy of Bahail HPS Tariff Filing Formats            | 412-457 |

Through



Law Offices of Divyanshu Bhatt  
on behalf of Respondent No 1.  
Ground Floor, C-1058, Sector-B,  
Mahanager, Lucknow - 226006

Date: 19.12.2023

Place: Lucknow

BEFORE THE HON'BLE UTTAR PRADESH ELECTRICITY  
REGULATORY COMMISSION, LUCKNOW

PETITION NO. 2244 OF 2025

IN THE MATTER OF:

U. P. RAJYA VIDYUT UTPADAN NIGAM  
LIMITED (UPRVUNL)

.... PETITIONER

VERSUS

UTTAR PRADESH POWER CORPORATION  
LIMITED (UPPCL) & ORS.

.... RESPONDENTS

REPLY ON BEHALF OF UTTAR PRADESH POWER CORPORATION  
LIMITED ("UPPCL" or "RESPONDENT NO. 1") IN THE SUBJECT  
PETITION

MOST RESPECTFULLY SHOWETH:

1. It is submitted that U.P. Rajya Vidya Utpadan Nigam Limited ("UPRVUNL" or "Petitioner") has filed this instant petition for approval of annual revenue requirement and determination of tariff for FY 2024-25 to FY 2028-29 in respect of Hydro Power Plant of U. P. Rajya Vidya Utpadan Nigam Limited namely Odra HPS, Kharz HPS, Rihand HPS, Matania HPS, Upper Ganga Canal HPS, Babail HPS, Balke HPS and Sherida HPS.
2. It is submitted that Respondent No. 1 i.e. UPPCL is a state-owned enterprise incorporated under the Companies Act, 1956, functioning as the sole entity

*(Signature)*  
(MANISH DWIVEDI)  
Superintending Engineer  
UPPCL

responsible for electricity transmission and distribution within the state of Uttar Pradesh, India. It was established on January 14, 2000, as part of the power sector reforms initiated under the Uttar Pradesh Electricity Reforms Act, 1999, and governed by the Electricity Act, 2003 ("Act"). UPPCL operates under the regulatory oversight of the Hon'ble Uttar Pradesh Electricity Regulatory Commission ("Hon'ble Commission"). The instant reply is being filed for preserving the interests of the Respondent No. 1.

A copy of Uttar Pradesh Electricity Reforms (Amalgamation and Merger of State Generating Companies) Scheme, 2023 is attached herewith as Annexure-1.

- UPRVUNL has filed Petition No. 2344 of 2025 seeking determination of tariff for the Control Period 2024-29 in respect of the following hydro generating stations under its operation and control: (a) Oera HPS; (b) Khawa HPS; (c) Rihand HPS; (d) Motilla HPS; (e) Upper Ganga Canal HPS; (f) Belka HPS; (g) Bahau HPS; and (h) Sheetha HPS.
- The Details of Hydro Power Stations are as below:

| S. No. | Hydro Power Station   | Unit Configuration | Installed Capacity (MW) |
|--------|-----------------------|--------------------|-------------------------|
| 1.     | Oera HPS              | 3 x 23 MW          | 99.00                   |
| 2.     | Khawa HPS             | 3 x 24 MW          | 72.00                   |
| 3.     | Rihand HPS            | 6 x 50 MW          | 300.00                  |
| 4.     | Motilla HPS           | 3 x 10.2 MW        | 30.60                   |
| 5.     | Upper Ganga Canal HPS | 1 x 13.7 MW        | 13.70                   |

  
 (MANISH DWIVEDI)  
 Superintending Engineer-III  
 PPA, UPPCL

|    |            |            |               |
|----|------------|------------|---------------|
| 6. | Berka HPS  | 2 x 1.5 MW | 3.00          |
| 7. | Babail HPS | 2 x 1.5 MW | 3.00          |
| 8. | Shoeds HPS | 3 x 1.2 MW | 3.60          |
|    |            |            | <b>524.90</b> |

#### OHRA HPS

5. UPPCL submits its observations and comments specifically in respect of the Ora Hydro Power Station (HPS), as detailed below. It is respectfully stated that the assessment of the operational parameters, unit capacities, and associated technical particulars of the Ora HPS has been undertaken based on the information furnished by the generating entity as well as the records available with UPPCL.

#### A. Gross Fixed Assets

6. The petitioner in the instant petition has claimed additional capitalization of Rs. 42.82 Crore for the period FY 2024-25 to FY 2028-29. Subsequently, opening capital cost considered by petitioner is in line with the closing balance of NYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.
7. Further, the petitioner has stated that the R&M/Refurbishment and Up-rating schemes will be presented before the Hon'ble Commission at the time of Truing-up. However, the petitioner has not specified the provisions of the Regulations under which it has claimed Additional Capitalization for the period FY 2024-25 to FY 2028-29. It is noted that the petitioner has sought additional capitalization under Capital and R&M expenses, as detailed in

  
 (MANISH DWIVEDI)  
 Superintending Engineer-02  
 PPA, UPPCL

Annexure-2 provided by them. Accordingly, the relevant Regulation governing such capitalization is reproduced below:

*21. Additional Capitalization:*

*(a) Additional Capitalization beyond the original scope*

*(7) Additional Capitalization on account of Renovation and Modernization (R&M)*

*a. The generating company, for meeting the expenditure on Renovation and Modernization (R&M) for the purpose of extension of life beyond the useful life of the generating station or a Unit thereof, shall make an application before the Commission for approval of the proposal with a Detailed Project Report giving complete scope, justification, cost-benefit analysis, estimated life extension from a reference date, financial package, phasing of expenditure, schedule of completion, reference price level, estimated completion cost including foreign exchange component, if any. Provided that the generating company making the applications for R&M shall not be eligible for Special Allowance under Regulation 21(4) of these Regulations; Provided further that the generating company intending to undertake R&M shall seek the consent of the beneficiaries for such R&M and submit the response of the beneficiaries along with the Petition.*

*b. Where the generating company makes an application for approval of its proposal for R&M, the approval may be granted after due consideration of reasonableness of the proposed cost estimates, financing plan, schedule of completion, interest during construction, use of efficient technology, cost-benefit analysis, expected duration of life extension, consent of the beneficiaries, if obtained, and such other factors as may be considered relevant by the Commission.*

*c. After completion of the R&M, the generating company shall file a petition for determination of tariff. Expenditure incurred or projected to be incurred and obtained by the Commission after prudent check based on the estimate of R&M expenditure and life extension, and after deducting the accumulated depreciation already recovered from the original project cost, shall form the basis for determination of tariff."*

8. As per the above, the generating company needs to submit a detailed proposal to the Hon'ble Commission for approval of R&M works. The proposal must include a DPR covering the full scope, justification, cost-benefit analysis, estimated life extension, financial plan, expenditure phasing, completion schedule, and reference price levels, including any foreign exchange component.

*Manish*  
 (MANISH DIVEDI)  
 Superintendent, Program-PE  
 PWR, UPSCA

9. Further, the above quoted regulation states that the generating company must also obtain and submit UPPCL's consent for such R&M to the Hon'ble Commission along with the petition to which the Hon'ble Commission will evaluate the R&M proposal based on the reasonableness of cost estimates, financing plan, schedule of completion, interest during construction, use of efficient technology, cost-benefit analysis, expected duration of life extension, consent of the beneficiaries.

10. Also, after completing the R&M works, the generating company shall file a petition for determination of tariff. Expenditure incurred or projected to be incurred and admitted by the Hon'ble Commission after prudence check.

11. It is pertinent to highlight that the petitioner has only provided the financial year wise list of Capital and R&M work with amount without any further supporting documents stating that the R&M/Refurbishment & Up-rating schemes will be presented to Hon'ble Commission during the time of Training-up.

12. In view of the above, it is submitted that UPPCL requests the Hon'ble Commission to direct the petitioner to submit the detailed DPR, Financial plan and other supporting documents in line with the above quoted Regulation, and hence no additional capitalisation may be allowed at this stage as claimed by the Petitioner. In light of the above, the allowable GFA for the control period 2024-29 is shown below:

| Capital Cost | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|--------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|              | Capital | Allowable |
| Package      |         |           |         |           |         |           |         |           |         |           |

*Manish*  
 (MANISH DWIVEDI)  
 Superintending Engineer-III  
 PSA, UPPCL

|                      |       |       |       |       |       |       |       |       |        |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Opening Capital Cost | 71.22 | 71.22 | 81.28 | 71.22 | 81.28 | 71.22 | 81.28 | 71.22 | 117.21 | 71.22 |
| Addition             | 4.54  | -     | 11.81 | -     | 1.13  | -     | 5.42  | -     | 1.12   | -     |
| Closing Capital Cost | 75.76 | 71.22 | 93.09 | 71.22 | 82.41 | 71.22 | 86.70 | 71.22 | 118.33 | 71.22 |
| Average Capital Cost | 75.75 | 71.22 | 89.34 | 71.22 | 81.76 | 71.22 | 81.21 | 71.22 | 114.71 | 71.22 |

### B. Depreciation

13. The petitioner has worked out the depreciation in accordance with the Regulation 25(3)(c) of Tariff Regulations, 2004. Subsequently, the opening capital cost considered for calculation of depreciation for FY 2024-25 is considered as per closing capital cost for FY 2023-24 of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. The addition in Capital cost is considered equivalent to additional capital expenditure claimed for each financial year as discussed in earlier Section of this Petition.

14. In light of the above, the allowable depreciation for control period 2024-29 has been assessed at Rs. 13.55 Crore as against Rs. 29.23 Crore claimed by the petitioner. The allowable and claimed depreciation for the control period 2024-29 is shown below:

| Particulars          | 2024-25<br>Claimed | 2024-25<br>Allowable | 2025-26<br>Claimed | 2025-26<br>Allowable | 2026-27<br>Claimed | 2026-27<br>Allowable | 2027-28<br>Claimed | 2027-28<br>Allowable | 2028-29<br>Claimed | 2028-29<br>Allowable |
|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| Opening Capital Cost | 71.22              | 71.22                | 81.28              | 71.22                | 81.28              | 71.22                | 81.28              | 71.22                | 117.21             | 71.22                |
| Addition             | 4.54               | -                    | 11.81              | -                    | 1.13               | -                    | 5.42               | -                    | 1.12               | -                    |
| Deletion             | -                  | -                    | -                  | -                    | -                  | -                    | -                  | -                    | -                  | -                    |
| Closing Capital Cost | 75.76              | 71.22                | 93.09              | 71.22                | 82.41              | 71.22                | 86.70              | 71.22                | 118.33             | 71.22                |

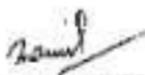
  
 (MANISH DWIVEDI)  
 Superintending Engineer  
 WPA, UPERC

|  |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Account Capital Cost                             | 18.25 | 17.50 | 16.25 | 17.50 | 16.7  | 17.50 | 16.71 | 17.50 | 16.71 | 17.50 |
| Rate of Discount (%)                             | 1.50% | 1.50% | 1.51% | 1.51% | 1.51% | 1.50% | 1.51% | 1.50% | 1.51% | 1.50% |
| Equivalent Value                                 | 17.76 | 16.81 | 16.17 | 16.81 | 16.41 | 16.81 | 16.38 | 16.95 | 16.34 | 16.81 |
| Interest paid/Nil at the beginning of the period | 16    | 16    | 15    | 16    | 16    | 17    | 17    | 16    | 16    | 16    |
| Outstanding Loan at the end of the period        | 17.14 | 17.03 | 16.8  | 17.03 | 16.91 | 16.73 | 16.61 | 16.61 | 16.61 | 16.14 |
| Provision for the period                         | 4.43  | 4.3   | 4.22  | 4.3   | 4.27  | 4.33  | 4.24  | 4.32  | 4.3   | 4.22  |
| Depreciation (Annualized)                        | 4.42  | 4.2   | 4.22  | 4.2   | 4.27  | 4.32  | 4.23  | 4.32  | 4.3   | 4.22  |
| Capital Depreciation at the end of the period    | 47.27 | 47.14 | 47.01 | 47.14 | 46.97 | 47.13 | 46.97 | 47.07 | 47.01 | 46.97 |

### C. Interest on Loan

15. The petitioner in current petition has considered interest on Loan amounting to Rs. 11.95 crore for the control period 2024-25 with opening balance of Rs. 16.80 Crore for FY 2024-25, while the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC is Rs. 16.93 Crore. However, the opening balance of Rs. 16.80 Crore has been considered for FY 2024-25.

16. Further, the rate of interest considered by the petitioner is 12.25% which is provided in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. However, as per Regulation 25(3)(b)(iii) of the UPERC Tariff Regulations, 2024, the rate of interest shall be the weighted average rate of

  
 (MANISH DWIVEDI)  
 Supervising Engineer-PE  
 PPA, UPVCL

interest computed on the basis of actual loans. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

"25. Capacity (Fixed) Charges:

(1) Components of Fixed Charges:

(a) Interest on Loan Capital:

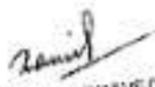
(i) The rate of interest shall be the weighted average rate of interest calculated on the basis of actual loans at the beginning of each financial year and shall be adjusted based on actual loan portfolio each financial year accordingly."

17. In view of the above, UPPCL requests the Hon'ble Commission to direct the petitioner to furnish the details of actual loans and interest, as per the above-mentioned regulation, for each financial year in line with the audited books of accounts for further prudence check.

18. However, in absence of the above required supporting document, the Weighted average rate of interest has been considered same as considered by the petitioner.

19. In light of the above, the allowable interest on loan for the control period 2024-29 has been assessed at Rs. 5.05 Crore as against Rs. 11.95 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below:

| Particulars<br>Interest on<br>Loans | 2024-25<br>Claimed | 2024-25<br>Allowable | 2025-26<br>Claimed | 2025-26<br>Allowable | 2026-27<br>Claimed | 2026-27<br>Allowable | 2027-28<br>Claimed | 2027-28<br>Allowable | 2028-29<br>Claimed | 2028-29<br>Allowable |
|-------------------------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| Net Operating<br>Loans              | 10.8               | 10.8                 | 15.21              | 12.5                 | 21.1               | 1.8                  | 22.03              | 6.25                 | 20.03              | 6.17                 |
| AMR/MS                              | 1.07               | -                    | 11.21              | -                    | 6.07               | -                    | 4.98               | -                    | 3.21               | -                    |
| Repayable                           | 4.07               | 4.2                  | 5.55               | 4.1                  | 3.97               | 1.22                 | 4.33               | 1.33                 | 6.0                | 3.31                 |
| Net Operating<br>Loans              | 15.94              | 15.2                 | 31.97              | 16.6                 | 31.04              | 3.02                 | 31.34              | 7.58                 | 29.24              | 9.48                 |

  
(MANISH OMVEDHI)  
Superintending Engineer, REC  
PPA, UPPCL

|                          |        |        |        |        |        |        |        |        |        |        |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Average Loan             | 14.41  | 14.27  | 13.15  | 11.61  | 11.26  | 1.09   | 22.24  | 5.27   | 19.97  | 4.39   |
| Weighted Average ROE (%) | 11.23% | 11.28% | 11.55% | 11.24% | 11.28% | 11.23% | 11.25% | 11.28% | 11.29% | 11.21% |
| Interest on Loan         | 1.96   | 1.78   | 2.27   | 1.21   | 2.54   | 0.69   | 1.1    | 0.54   | 1.41   | 0.47   |

#### B. Return on Equity

20. The petitioner in current petition, has projected return on equity amounting to Rs. 22.65 crore, for the control period 2024-29. Further, for computation of Return on Equity, the petitioner has considered opening balance in line with the closing balance approved in MYT for the period FY 2015-20 to FY 2023-24 approved by UPERC.

21. Further, the petitioner has considered addition to equity based on normative i.e. 30% of the additional capitalization claimed. However, it is submitted that no additional capitalization should be allowed based on justification submitted in the preceding section of this report.

22. In light of the above, the allowable return on equity for the control period 2024-29 has been assessed at Rs. 17.46 Crore as against Rs. 22.65 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below.

| Particulars    | 2014-15 | 2014-15   | 2015-16 | 2015-16   | 2016-17 | 2016-17   | 2017-18 | 2017-18   | 2018-19 | 2018-19   |
|----------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                | Claimed | Allowable |
| Opening Equity | 23.23   | 21.18     | 24.18   | 11.18     | 29.14   | 11.18     | 12.19   | 21.18     | 15.11   | 21.18     |

  
 (MANISH DWIVEDI)  
 Superintending Engineer-EE  
 PPA, UPCL

| Particulars   | 2019-20 | 2020-21   | 2021-22 | 2022-23   | 2023-24 | 2024-25   | 2025-26 | 2026-27   | 2027-28 | 2028-29   | 2029-30   |
|---------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|-----------|
|               | Charged | Available | Charged | Available | Charged | Available | Charged | Available | Charged | Available | Available |
| Staff cost    | 1.20    | -         | 4.76    | -         | 1.97    | -         | 1.92    | -         | 1.68    | -         | -         |
| Salaries      | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         | -         |
| Other Staff   | 14.58   | 21.28     | 29.34   | 28.28     | 35.70   | 29.28     | 35.11   | 29.28     | 36.42   | 25.24     | -         |
| Average Power | 12.65   | 21.28     | 26.76   | 24.28     | 32.88   | 25.28     | 32.78   | 25.28     | 35.62   | 23.28     | -         |
| Rate of 2021  | 13.00%  | 1.60%     | 11.80%  | 15.00%    | 14.00%  | 11.30%    | 15.00%  | 11.00%    | 15.00%  | 15.00%    | 11.00%    |
| Rate of 2024  | 1.29    | 1.19      | 1.26    | 1.49      | 1.62    | 1.49      | 1.68    | 1.49      | 1.54    | 1.49      | -         |

#### E. Operating & Maintenance Expenses

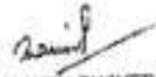
21. The petitioner for computation of Operation & Maintenance (O&M) Expenses has considered O&M Expenses for FY 2023-24 in line with the MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC and has further escalated the same by 4.47% on annual basis as per the Regulation 25(3)(d)(iv) of the UPERC Tariff Regulations, 2004 as reproduced below:

*21. Capacity (Fixed) Charges:*

*(i) Components of Fixed Charges:*

*1. Operation and Maintenance Expenses*

*(a) The normative values of operation and maintenance expenses including insurance, for the existing hydro generating stations, shall be as approved by the Commission in the tariff order based on the expenses approved in the previous control period, escalated at the rate of 4.47% per annum or any other factor as considered appropriate by the Commission."*

  
 (MANISH DWIVEDI)  
 Superintending Engineer-I/II  
 PWA, UPERC

24. Accordingly, the O&M Expenses of Rs. 111.15 Crore claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same allowed by the Hon'ble Commission as below:

| Parameter                 | 2024-25<br>(Claimed/Allowed) | 2025-26<br>(Claimed/Allowed) | 2026-27<br>(Claimed/Allowed) | 2027-28<br>(Claimed/Allowed) | 2028-29<br>(Claimed/Allowed) |
|---------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| O&M Expenses for the year | 111.15                       | 111.24                       | 112.39                       | 113.18                       | 114.75                       |

#### F. Interest on Working Capital

25. The petitioner in present petition has considered interest on working capital amounting to Rs. 6.00 Crore for the control period 2024-29, wherein the rate of interest considered by the petitioner is the bank rate as on 1st April of each of the financial year during the tariff period 2024-29, instead of the bank rate as on 01-04-2024. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

*"25. Capacity (Fixed) Charges:*

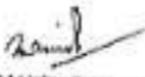
*(1) Components of Fixed Charges:*

*a. Interest on Working Capital:*

*(a) Rate of interest on working capital shall be on normative basis and shall be considered as the Bank Rate as on 01-04-2024 or as on 1st April of the year during the tariff period 2024-29 in which the generating station or a Unit thereof is declared under commercial operation, whichever is later;*

*Provided that in case of shut-up, the rate of interest on working capital shall be considered as bank rate as on 1st April of each of the financial year during the tariff period 2024-29"*

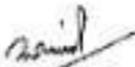
25. As per the above, since it's being MYT petition the rate of interest should be considered as the Bank Rate as on 01-04-2024, while the rates as considered

  
(MANISH DWIVEDI)  
Supervising Engineer-RE  
RAA, UPPCL

by the petitioner will be applicable while Turn-up. Accordingly, the rate of interest at 12.15% has been considered for the computation.

27. Further, due to the reduction in additional capitalization in GFA and other components, the Annual Fixed Charges has changed which impact the receivable equivalent to 45 days of capacity charges and energy charges. In light of this, UPPCL requests the Hon'ble Commission that interest of working capital may be allowed to Rs. 5.44 Crore against Rs. 6.00 Crore as claimed by the petitioner. The Summary of the claimed and allowable interest on working capital is calculated below:

| Particulars           | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| (Summation in Crores) | 20      | 20.22   | 20.25   | 21.24   | 22.19   | 22.02   | 23.18   | 22.68   | 24.22   | 24.22   |
| GFA/Deposits          | 1.09    | 1.48    | 1.77    | 1.77    | 1.85    | 1.31    | 1.83    | 1.00    | 1.00    | 1.00    |
| DDSA Expenses         | 1.01    | 1.40    | 1.19    | 1.10    | 1.31    | 1.15    | 1.41    | 1.48    | 1.63    | 1.41    |
| Reserve (17 days)     | 1.81    | 2.84    | 4.28    | 3.88    | 4.51    | 5.78    | 3.74    | 3.18    | 4.56    | 1.81    |
| Total Working Capital | 3.91    | 5.72    | 7.24    | 6.75    | 7.67    | 8.24    | 6.98    | 5.66    | 7.19    | 4.21    |
| Rate of Interest      | 12.15%  | 12.15%  | 12.15%  | 12.15%  | 12.15%  | 12.15%  | 12.15%  | 12.15%  | 12.15%  | 12.15%  |
| Interest              | 4.75    | 6.95    | 8.80    | 8.20    | 9.21    | 10.03   | 8.48    | 6.88    | 8.73    | 5.13    |

  
 (MANISH DWIVEDI)  
 Supervising Engineer-RE  
 PWA, UPPCL

|                 |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|
| Working Capital |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|

### G. Statutory Fees, Coms, Duties and Taxes

28. The petitioner has stated that it intends to recover the tariff filing fee paid to the Hon'ble Commission as a separate pass-through, similar to previous years. However, such recovery may not be permissible by the Hon'ble Commission, as the Tariff Regulations do not provide for the allowance of this expenditure.

### H. Annual Fixed Charges

29. The Petitioner, in its current petition, has projected Annual Fixed Charges amounting to Rs.180.99 Crore for the control period 2024-29.

30. Based on the aforesaid argument, the allowable Annual Fixed Charges is amounting to Rs. 152.64 Crore against Rs. 180.99 Crore claimed by the petitioner as mentioned below:

| Particular     | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 | 2024-27 | 2027-28 | 2028-29 | 2024-29 |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                | Claimed | Allowed | Claimed | Allowed | Claimed | Claimed | Allowed | Claimed | Allowed |
|                | Rs | Rs | Rs | Rs | Rs | Rs | Rs | Rs | Rs |
| Depreciation   | 4.67    | 4.38    | 5.22    | 4.92    | 5.97    | 1.52    | 4.53    | 4.52    | 6.90    |
| Provision Loan | 1.46    | 1.38    | 2.22    | 1.25    | 2.64    | 0.66    | 2.10    | 2.68    | 2.42    |

  
 (GANISH DWIVEDI)  
 Distinguishing Engineer/RE  
 PFC/2025

|                           |       |       |       |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Available Energy          | 1.50  | 1.48  | 1.45  | 1.40  | 1.35  | 1.31  | 1.27  | 1.24  | 1.21  | 1.18  |
| Available Working Capital | 1.05  | 1.04  | 1.01  | 1.00  | 1.04  | 1.00  | 1.02  | 1.00  | 1.00  | 1.00  |
| Costs                     | 28.55 | 14.35 | 25.24 | 31.24 | 32.85 | 32.18 | 31.58 | 31.58 | 30.25 | 30.25 |
| Revenue                   | 31.55 | 31.15 | 30.85 | 31.24 | 30.45 | 29.12 | 28.35 | 28.07 | 28.25 | 28.25 |
| Total                     |       |       |       |       |       |       |       |       |       |       |

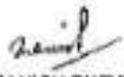
**1. Calculation of Energy Charge Rate, month wise Capacity Charges and Energy Charges**

31. Further, the petitioner has not provided any supporting documents for determination of Design Energy and Available Energy. However, the figures of Design Energy and Available Energy have been considered as provided by the petitioner. UPPCL requests the Hon'ble Commission to direct the petitioner to provide supporting document for the same. Further, based on the allowable AFC as computed above, the allowable Energy Charge Rate, month wise Capacity Charges and Energy Charges as assessed are provided in Annexure-4.

A copy of Ober HPS Energy Charge Rate, month wise Capacity Charges and Energy Charges attached as Annexure -3.

**KHARA HPS**

32. UPPCL submits its observations and comments specifically in respect of the Khara Hydro Power Station (HPS), as detailed below. It is respectfully stated that the assessment of the operational parameters, unit capacities, and

  
 (MANISH DWIVEDI)  
 Supervising Engineer-03  
 PPA, UPPCL

associated technical particulars of the Khan HPS has been undertaken based on the information furnished by the generating entity as well as the records available with UPPCL.

**A. Gross Fixed Assets**

33. The petitioner in the instant petition has claimed additional capitalization of Rs. 27.78 Crore for the period FY 2024-25 to FY 2028-29. Subsequently, opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

34. Further, the petitioner has stated that the R&M/Refurbishment and Up-rating schemes will be presented before the Hon'ble Commission at the time of Tuning-up. However, the petitioner has not specified the provisions of the Regulations under which it has claimed Additional Capitalization for the period FY 2024-25 to FY 2028-29. It is noted that the petitioner has sought additional capitalization under Capital and R&M expenses, as detailed in Annexure-2 provided by them. Accordingly, the relevant Regulation governing such capitalization is reproduced below:

*21. Additional Capitalization:*

*(i) Additional Capitalization beyond the original scope*

*(7) Additional Capitalization on account of Renovation and Modernization (R&M)*

*a. The generating company, for meeting the expenditure on Renovation and Modernization (R&M) for the purpose of extension of life beyond the useful life of the generating asset or a Unit thereof, shall make an application before the Commission for approval of the proposal with a Detailed Project Report giving complete scope, justification, cost-benefit analysis, estimated life extension from a reference date, financial package, pricing of expenditure, schedule of completion, reference price level, estimated completion cost including foreign exchange component, if any. Provided that the generating company making the application for R&M shall not be eligible for Special Allowance under Regulation 21 (8) of these Regulations.*

  
(MANISH DWIVEDI)  
Secretary to Government  
PPA, UPPCL

*Provided further that the generating company intending to undertake R&M shall seek the consent of the beneficiaries for such R&M and submit the response of the beneficiaries along with the Petition.*

*b. Where the generating company makes an application for approval of its proposal for R&M, the approval may be granted after due consideration of reasonableness of the proposed cost estimates, financing plan, schedule of completion, interest during construction, use of efficient technology, cost-benefit analysis, expected duration of life extension, consent of the beneficiaries, if obtained, and such other factors as may be considered relevant by the Commission.*

*c. After completion of the R&M, the generating company shall file a petition for determination of tariff. Expenditure incurred or projected to be incurred and admitted by the Commission after prudent check based on the estimate of R&M expenditure and life extension, and after deducting the accumulated depreciation already recovered from the original project cost, shall form the basis for determination of tariff."*

35. As per the above, the generating company needs to submit a detailed proposal to the Hon'ble Commission for approval of R&M works. The proposal must include a DPR covering the full scope, justification, cost-benefit analysis, estimated life extension, financial plan, expenditure phasing, completion schedule, and reference price levels, including any foreign exchange component.

36. Further, the above quoted regulation states that the generating company must also obtain and submit UPCL's consent for such R&M to the Hon'ble Commission along with the petition to which the Hon'ble Commission will evaluate the R&M proposal based on the reasonableness of cost estimates, financing plan, schedule of completion, interest during construction, use of efficient technology, cost-benefit analysis, expected duration of life extension, consent of the beneficiaries.

  
 (MANISH DWIVEDI)  
 Superseding Engineer-R2  
 DPA, UPCL

37. Also, after completing the R&M works, the generating company shall file a petition for determination of tariff. Expenditure incurred or projected to be incurred and admitted by the Hon'ble Commission after prudence check.

38. It is pertinent to highlight that the petitioner has only provided the financial year wise list of Capital and R&M work with amount without any further supporting documents stating that the R&M/Refurbishment & Up-rating schemes will be presented to Hon'ble Commission during the time of Truing-up.

39. In view of the above, it is submitted that UPPCL requests the Hon'ble Commission to direct the petitioner to submit the detailed DPR, Financial plan and other supporting documents in line with the above quoted Regulation, and hence no additional capitalization may be allowed at this stage as claimed by the Petitioner. In light of the above, the allowable GFA for the control period 2024-29 is shown below:

| Capital Cost           | 2024-25  |           | 2025-26  |           | 2026-27  |           | 2027-28  |           | 2028-29  |           |
|------------------------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|
|                        | Contract | Allowable | Contract | Allowable | Contract | Allowable | Contract | Allowable | Contract | Allowable |
| Operating Capital Cost | 241.27   | 241.27    | 335.26   | 241.27    | 507.37   | 245.27    | 245.44   | 245.27    | 179.04   | 241.27    |
| Advance Provision      | 5.00     | -         | 11.04    | -         | 2.25     | -         | 7.00     | -         | -        | -         |
| Operating Capital Cost | 236.26   | 241.27    | 324.22   | 241.27    | 505.12   | 245.27    | 238.44   | 245.27    | 179.04   | 241.27    |
| Average Capital Cost   | 241.05   | 241.27    | 298.79   | 241.27    | 266.18   | 245.27    | 242.44   | 245.27    | 179.04   | 241.27    |

#### B. Depreciation

  
 (MANISH DWIVEDI)  
 Supervising Engineer-RE  
 PPA, UPPCL

40. The petitioner has worked out the depreciation in accordance with the Regulation 25(3)(c) of Tariff Regulations, 2004. However, the cumulative depreciation value till FY 2023-24 has been considered by the petitioner as Rs. 220.74 Crore, while the same as per the order is noticed to be Rs. 223.76 Crore. Subsequently, the opening capital cost considered for calculation of depreciation for FY 2024-25 is considered as per closing capital cost for FY 2023-24 of MYT for the period FY 2019-20 to FY 2023-24 approved by UPEEC. The addition in Capital cost is considered equivalent to additional capital expenditure claimed for each financial year as discussed in earlier Section of this Petition.

41. In light of the above, the allowable depreciation for control period 2024-29 has been assessed at NIL as against Rs. 14.47 Crore claimed by the petitioner. The allowable and claimed depreciation for the control period 2024-29 is shown below:

| Particulars (Expenditure) | 2019-20<br>Claimed<br>A | 2020-21<br>Allowable | 2021-22<br>Claimed<br>B | 2022-23<br>Allowable | 2023-24<br>Claimed | 2024-25<br>Allowable | 2025-26<br>Claimed | 2026-27<br>Allowable | 2027-28<br>Claimed | 2028-29<br>Allowable | 2029-30<br>Claimed |
|---------------------------|-------------------------|----------------------|-------------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|
| Opening Capital Cost      | 245.27                  | 245.27               | 245.28                  | 245.27               | 245.32             | 245.27               | 245.24             | 245.27               | 245.27             | 245.24               | 245.27             |
| Addition                  | 3.51                    | -                    | 11.88                   | -                    | 2.20               | -                    | 1.26               | -                    | -                  | -                    | -                  |
| Deletion                  | -                       | -                    | -                       | -                    | -                  | -                    | -                  | -                    | -                  | -                    | -                  |
| Closing Capital Cost      | 248.78                  | 245.27               | 257.16                  | 245.27               | 247.52             | 245.27               | 246.50             | 245.27               | 245.27             | 245.24               | 245.27             |
| Average Capital Cost      | 246.88                  | 245.27               | 251.21                  | 245.27               | 246.43             | 245.27               | 245.94             | 245.27               | 245.27             | 245.24               | 245.27             |
| Rate of Depreciation (%)  | 5.75%                   | 5.75%                | 5.75%                   | 5.75%                | 5.75%              | 5.75%                | 5.75%              | 5.75%                | 5.75%              | 5.75%                | 5.75%              |
| Depreciable Value         | 231.25                  | 211.34               | 231.40                  | 211.34               | 211.36             | 211.34               | 211.30             | 211.34               | 211.34             | 211.31               | 211.34             |

(MANISH DAVEDI)  
Supervising Engineer, PE  
PPA, UPEEC

| Balance carried over at the beginning of the period | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Powering Depreciable Value                          | 1.15   | 6.08   | 5.72   | 0.20   | 15.92  | 5.98   | 14.71  | 0.68   | 15.60  | 0.00   |
| Depreciation for the Period                         | 1.35   | 6.00   | 1.45   | 0.00   | 3.00   | 6.00   | 4.45   | 0.68   | 1.27   | 0.00   |
| Depreciation (A multiplied)                         | 1.50   | 6.26   | 1.62   | 0.00   | 3.00   | 6.00   | 4.37   | 0.68   | 1.27   | 0.00   |
| Carried-over depreciation at the end of the period  | 201.50 | 204.31 | 222.91 | 228.74 | 212.75 | 228.74 | 225.94 | 228.74 | 221.20 | 228.74 |

### C. Interest on Loan

42. The petitioner in current petition has considered interest on Loan amounting to Rs. 4.58 crore, for the control period 2024-29. Subsequently, opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

43. Further, the rate of interest considered by the petitioner is 12.25% which is provided in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. However, as per Regulation 25(3)(b)(ii) of the UPERC Tariff Regulations, 2024, the rate of interest shall be the weighted average rate of interest computed on the basis of actual loans. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

*25. Capacity (Fixed) Charges:*

*(b) Components of Fixed Charges:*

*i. Interest on Loan Capital:*

*(a) The rate of interest shall be the weighted average rate of interest calculated on the basis of actual loans at the beginning of each financial year and shall be adjusted based on actual loans portfolio each financial year accordingly."*

  
(MANISH DWIVEDI)  
Supervising Engineer EE  
UPA, UPCL

44. In view of the above, UPPCL requests the Hon'ble Commission to direct the petitioner to furnish the details of actual loans and interest, as per the aforementioned regulation, for each financial year in line with the audited books of accounts for further prudence check.

45. However, in absence of the above required supporting document, the Weighted average rate of interest has been considered same as considered by the petitioner.

46. In light of the above, the allowable interest on loan for the control period 2024-29 has been assessed at NIL as against Rs. 4.38 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below:

| Particulars (Interest on Loan) | 2024-25<br>Claimed | 2024-25<br>Allowable | 2025-26<br>Claimed | 2025-26<br>Allowable | 2026-27<br>Claimed | 2026-27<br>Allowable | 2027-28<br>Claimed | 2027-28<br>Allowable | 2028-29<br>Claimed | 2028-29<br>Allowable |
|--------------------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| For Operating Loan             | -                  | -                    | 2.36               | -                    | 10.96              | -                    | 6.91               | -                    | 11.24              | -                    |
| Advance                        | 1.00               | -                    | 8.22               | -                    | 3.21               | -                    | 3.96               | -                    | -                  | -                    |
| Equipment                      | 4.31               | -                    | 1.50               | -                    | 1.96               | -                    | 4.14               | -                    | 3.27               | -                    |
| For Closing Loan               | 1.26               | -                    | 16.96              | -                    | 6.18               | -                    | 18.24              | -                    | 4.97               | -                    |
| Average Loan                   | 5.74               | -                    | 6.81               | -                    | 4.21               | -                    | 5.21               | -                    | 7.42               | -                    |
| Weighted Average Rate (%)      | 12.08%             | 12.14%               | 12.25%             | 12.25%               | 12.28%             | 14.21%               | 12.28%             | 12.28%               | 12.25%             | 12.25%               |

  
 (MANISH DWIVEDI)  
 Superintending Engineer-EE  
 PWR, UPPCL

|           |      |    |      |    |      |    |      |    |      |    |
|-----------|------|----|------|----|------|----|------|----|------|----|
| Source no | 4.22 | -- | 4.40 | -- | 4.19 | -- | 4.29 | -- | 4.39 | -- |
| Case      |      |    |      |    |      |    |      |    |      |    |

#### D. Return on Equity

47. The petitioner in current petition, has projected return on equity amounting to Rs. 59.01 crore, for the control period 2024-29. Further, for computation of Return on Equity, the petitioner has considered opening balance in line with the closing balance approved in MYT for the period FY 2019-20 to FY 2023-24 approved by UFERC.

48. Further, the petitioner has considered addition to equity based on normative i.e. 30% of the additional capitalization claimed. However, it is submitted that no additional capitalization should be allowed based on justification submitted in the preceding section of this report.

49. In light of the above, the allowable return on equity for the control period 2024-29 has been assessed at Rs. 55.19 Crore as against Rs. 59.01 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below-

| Particulars    | 2019-20 | 2019-20 | 2020-21 | 2020-21 | 2021-22 | 2021-22 | 2022-23 | 2022-23 | 2023-24 | 2023-24 |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 20             | 25      | 26      | 26      | 27      | 28      | 28      | 29      | 29      | 30      | 30      |
|                | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed |
|                | ₹       | ₹       | ₹       | ₹       | ₹       | ₹       | ₹       | ₹       | ₹       | ₹       |
| Opening Equity | 72.29   | 71.24   | 55.36   | 51.18   | 76.16   | 75.52   | 76.51   | 73.58   | 81.29   | 73.18   |
| Addition       | 1.46    |         | 1.49    | --      | 1.86    | --      | 1.18    | --      | --      | --      |
| Balance        | --      | --      | --      | --      | --      | --      | --      | --      | --      | --      |

*Manish Dwivedi*  
 (MANISH DWIVEDI)  
 Supervising Engineer NE  
 PPA, UFERC

|                     |        |        |        |        |        |        |        |        |        |        |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Costing<br>Input    | 71.25  | 71.25  | 74.74  | 74.24  | 71.73  | 73.28  | 81.31  | 73.34  | 81.81  | 73.34  |
| Average<br>Input    | 71.72  | 71.51  | 77.21  | 77.58  | 75.25  | 73.58  | 81.47  | 75.53  | 81.81  | 73.34  |
| Rate of<br>ROR (%)  | 11.80% | 12.20% | 13.30% | 13.80% | 12.20% | 13.80% | 15.00% | 12.00% | 13.00% | 13.30% |
| Return<br>to Equity | 11.15  | 11.24  | 11.55  | 11.84  | 11.29  | 11.84  | 12.71  | 11.84  | 12.28  | 11.84  |

#### Operating & Maintenance Expenses

50. The petitioner for computation of Operation & Maintenance (O&M) Expenses has considered O&M Expenses for FY 2023-24 in line with the MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC and has further escalated the same by 4.47% on annual basis as per the Regulation 25(3)(d)(iv) of the UPERC Tariff Regulations, 2024 as reproduced below:

*"23 Capacity (Fixed) Charges:*

*(3) Components of Fixed Charges:*

*d. Operation and Maintenance Expenses:*

*(iv) The normative value of operation and maintenance expenses including insurance, for the existing hydro generating stations, shall be as approved by the Commission in the tariff order based on the expenses approved in the previous control period, escalated at the rate of 4.47% per annum or any other factor as considered appropriate by the Commission."*

51. Accordingly, the O&M Expenses of Rs. 73.63 Crore claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below:

| Particulars | 2014-15<br>(Claimed/Allowed) | 2015-16<br>(Claimed/Allowed) | 2016-17<br>(Claimed/Allowed) | 2017-18<br>(Claimed/Allowed) | 2018-19<br>(Claimed/Allowed) |
|-------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
|-------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|

  
(MANISH DWIVEDI)  
Supervising Engineer-PE  
PPA, UPPL

|                      |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|
| Cost                 | 13.07 | 14.17 | 15.26 | 16.35 | 17.44 |
| Expense for the year |       |       |       |       |       |

#### F. Interest on Working Capital

52. The petitioner in present petition has considered interest on working capital amounting to Rs. 4.53 Crore for the control period 2024-29, wherein the rate of interest considered by the petitioner is the bank rate as on 1st April of each of the financial year during the tariff period 2024-29, instead of the bank rate as on 01-04-2024. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

*23. Capacity (Fixed) Charges:*

*(3) Component of Fixed Charges:*

*a. Interest on Working Capital:*

*(i) Rate of interest on working capital shall be on normative basis and shall be considered as the Bank Rate as on 01-04-2024 or as on 1st April of the year during the tariff period 2024-29 to which the generating station or a Unit thereof is declared under commercial operation, whichever is later;*

*Provided that in case of Prolog-up, the rate of interest on working capital shall be considered at bank rate as on 1st April of each of the financial year during the tariff period 2024-29.*

53. As per the above, since it's being MYT petition the rate of interest should be considered as the Bank Rate as on 01-04-2024, while the rates as considered by the petitioner will be applicable while True-up. Accordingly, the rate of interest as 12.15% has been considered for the computation.

54. Further, due to the reduction in additional capitalization in CFA and other components, the Annual Fixed Charges has changed which impact the receivable equivalent to 45 days of capacity charges and energy charges. In light of this, UPPCL requests the Hon'ble Commission that interest of

  
(MANISH DWIVEDI)  
Superintending Engineer (SR)  
PPA, UPPCL

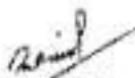
working capital may be allowed to Rs. 4.08 Crore against Rs. 4.53 Crore as claimed by the petitioner. The Summary of the claimed and allowable interest on working capital is calculated below:

| Particulars                             | 2014-15<br>Claimed | 2014-15<br>Allowable | 2015-16<br>Claimed | 2015-16<br>Allowable | 2016-17<br>Claimed | 2016-17<br>Allowable | 2017-18<br>Claimed | 2017-18<br>Allowable | 2018-19<br>Claimed | 2018-19<br>Allowable |
|---|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| O&M Expenses<br>Rs. 05.25M              | 11.47              | 11.47                | 14.07              | 14.07                | 16.70              | 16.70                | 19.33              | 19.33                | 21.94              | 21.94                |
| O&M Expenses<br>Up to 1 month           | 1.12               | 1.12                 | 1.17               | 1.17                 | 1.22               | 1.22                 | 1.28               | 1.28                 | 1.34               | 1.34                 |
| Maintenance<br>Expense (2.5%<br>of TSM) | 2.92               | 2.92                 | 3.14               | 3.14                 | 3.39               | 3.39                 | 3.65               | 3.65                 | 3.91               | 3.91                 |
| Reserve (4%<br>of TSM)                  | 1.30               | 1.14                 | 1.57               | 1.32                 | 1.86               | 1.27                 | 2.16               | 1.25                 | 2.58               | 1.65                 |
| Total Working<br>Capital                | 4.31               | 4.53                 | 6.35               | 6.47                 | 7.34               | 6.58                 | 7.34               | 6.53                 | 8.42               | 7.19                 |
| Rate of Interest<br>(%)                 | 12.10%             | 12.15%               | 12.30%             | 12.15%               | 12.30%             | 12.15%               | 12.30%             | 12.15%               | 12.30%             | 12.15%               |
| Interest on<br>Working<br>Capital       | 0.52               | 0.76                 | 0.86               | 0.79                 | 0.92               | 0.41                 | 0.92               | 0.64                 | 1.02               | 0.87                 |

#### G. Statutory Fees, Cess, Duties and Taxes

55. The petitioner has stated that it intends to recover the tariff filing fee paid to the Hon'ble Commission as a separate pass-through, similar to previous years. However, such recovery may not be permissible by the Hon'ble Commission, as the Tariff Regulations do not provide for the allowance of this expenditure.

#### H. Annual Fixed Charges

  
 (MANISH DIVEDEI)  
 Superintendent Engineer-PS  
 PDS, GAZI

36. The Petitioner, in its current petition, has projected Annual Fixed Charges amounting to Rs. 124.80 Crore for the control period 2024-29.

37. Based on the aforesaid argument, the allowable Annual Fixed Charges is amounting to Rs. 106.31 Crore against Rs. 124.80 Crore claimed by the petitioner as mentioned below:

| Particulars<br>(Amount/ Fixed<br>Charge) | 2024-25<br>Claimed | 2024-25<br>Allowable | 2025-26<br>Claimed | 2025-26<br>Allowable | 2026-27<br>Claimed | 2026-27<br>Allowable | 2027-28<br>Claimed | 2027-28<br>Allowable | 2028-29<br>Claimed | 2028-29<br>Allowable |
|--|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| Depreciation                             | 9.24               | 9.24                 | 7.54               | 6.36                 | 7.85               | 6.67                 | 4.13               | 4.03                 | 3.27               | 3.03                 |
| Insurance Loss                           | 0.02               | 0.02                 | -                  | -                    | 1.18               | -                    | 0.28               | -                    | 0.93               | -                    |
| Interest on Equity                       | 11.24              | 11.24                | 11.24              | 11.24                | 11.24              | 11.24                | 11.24              | 11.24                | 11.24              | 11.24                |
| Interest on<br>Working Capital           | 0.77               | 0.76                 | 0.86               | 0.76                 | 0.93               | 0.83                 | 0.97               | 0.94                 | 1.02               | 0.87                 |
| OWN Expenses                             | 11.47              | 11.57                | 14.02              | 14.07                | 14.32              | 14.33                | 13.33              | 13.31                | 14.34              | 11.81                |
| Total                                    | 32.74              | 32.83                | 33.66              | 32.43                | 34.42              | 22.87                | 29.95              | 29.52                | 33.82              | 25.95                |
| Share of UPPCL<br>(80%)                  | 26.19              | 26.26                | 26.93              | 25.94                | 27.54              | 18.30                | 23.96              | 23.62                | 27.06              | 20.76                |

#### I. Calculation of Energy Charge Rate, month wise Capacity Charges and Energy Charges

38. Further, the petitioner has done the computation based on the total AFC instead of the AFC for UPPCL's share (i.e. 80% of the total AFC) and has not provided any supporting documents for determination of Design Energy and Available Energy. However, the figures of Design Energy and Available Energy have been considered as provided by the petitioner. UPPCL requests the Hon'ble Commission to direct the petitioner to provide supporting document for the same. Further, based on the allowable AFC as computed above, the allowable Energy Charge Rate, month wise Capacity Charges and Energy Charges as assumed are provided in Annexure-II.

  
(MANISH DWIVEDI)  
Supervising Engineer-EE  
PPA, UPCL

A copy of Khan HPS Energy Charge Rate, month wise Capacity Charges and Energy Charges attached as Annexure - II.

### **RIHAND HPS**

59. UPPCL submits its observations and comments specifically in respect of the Riband Hydel Power Station (HPS), as detailed below. It is respectfully stated that the assessment of the operational parameters, unit capacities, and associated technical particulars of the Riband HPS has been undertaken based on the information furnished by the generating entity as well as the records available with UPPCL.

#### **A. Gross Fixed Assets**

60. The petitioner in the instant petition has claimed additional capitalization of Rs. 23.33 Crore for the period FY 2024-25 to FY 2028-29. Subsequently, opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

61. Further, the petitioner has stated that the R&M/Refurbishment and Up-rating schemes will be presented before the Hon'ble Commission at the time of Tuning-up. However, the petitioner has not specified the provisions of the Regulations under which it has claimed Additional Capitalization for the period FY 2024-25 to FY 2028-29. It is noted that the petitioner has sought additional capitalization under Capital and R&M expenses, as detailed in Annexure-4 provided by them. Accordingly, the relevant Regulation governing such capitalization is reproduced below:

  
(MANISH DWIVEDI)  
Supervising Engineer-RE  
PPA, UPPCL

**77. Additional Capitalization**

(i) Additional Capitalization beyond the original scope

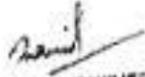
(7) Additional Capitalization on account of Renovation and Modernization (R&M)

a. The generating company, for meeting the expenditure on Renovation and Modernization (R&M) for the purpose of extension of life beyond the useful life of the generating station or a Unit thereof, shall make an application before the Commission for approval of the proposal with a Detailed Project Report giving complete scope, justification, cost-benefit analysis, estimated life extension from a reference date, financial package, phasing of expenditure, schedule of completion, reference price level, estimated completion cost including foreign exchange component, if any. Provided that the generating company making the application for R&M shall not be eligible for Special Allowance under Regulation 71(b) of these Regulations. Provided further that the generating company intending to undertake R&M shall seek the consent of the beneficiaries for such R&M and submit the response of the beneficiaries along with the Petition.

b. Where the generating company makes an application for approval of its proposal for R&M, the approval may be granted after due consideration of reasonableness of the proposed cost estimates, financing plan, schedule of completion, interest during construction, use of efficient technology, cost-benefit analysis, expected duration of life extension, consent of the beneficiaries, if obtained, and such other factors as may be considered relevant by the Commission.

c. After completion of the R&M, the generating company shall file a petition for determination of tariff. Expenditure incurred or proposed to be incurred and admitted by the Commission after prudent check based on the estimate of R&M expenditure and life extension, and after deducting the accumulated depreciations already recovered from the original project cost, shall form the basis for determination of tariff."

52. As per the above, the generating company needs to submit a detailed proposal to the Hon'ble Commission for approval of R&M works. The proposal must include a DPR covering the full scope, justification, cost-benefit analysis, estimated life extension, financial plan, expenditure phasing, completion schedule, and reference price levels, including any foreign exchange component.

  
 (MANISH DWIVEDI)  
 Supervising Engineer-RE  
 PWR, UPCL

63. Further, the above quoted regulation states that the generating company must also obtain and submit UPPCL's consent for such R&M to the Hon'ble Commission along with the petition to which the Hon'ble Commission will evaluate the R&M proposal based on the reasonableness of cost estimates, financing plan, schedule of completion, interest during construction, use of efficient technology, cost-benefit analysis, expected duration of life extension, consent of the beneficiaries.
64. Also, after completing the R&M works, the generating company shall file a petition for determination of tariff, Expenditure incurred or projected to be incurred and advised by the Hon'ble Commission after prudential check.
65. It is pertinent to highlight that the petitioner has only provided the Financial year wise list of Capital and R&M work with amount without any further supporting documents stating that the R&M/Refurbishment & Up-rating schemes will be presented to Hon'ble Commission during the time of Training-up.
66. In view of the above, it is submitted that UPPCL requests the Hon'ble Commission to direct the petitioner to submit the detailed DPR, Financial plan and other supporting documents in line with the above quoted Regulation, and hence no additional capitalization may be allowed at this stage as claimed by the Petitioner. In light of the above, the allowable CFA for the control period 2024-29 is shown below:

| Capital Cost Particulars | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|--------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                          | Claimed | Allowable |
|                          |         |           |         |           |         |           |         |           |         |           |

  
 (MANISH DWIVEDI)  
 Engineering Engineer-RC  
 UPPCL

| Opening Capital Cost | 190.81 | 196.11 | 198.39 | 198.15 | 196.37 | 190.71 | 196.71 | 196.15 | 209.41 | 190.77 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Addition             | 8.38   | -      | 6.78   | -      | 4.22   | -      | 2.68   | -      | 6.67   | -      |
| Deletion             | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| Closing Capital Cost | 199.19 | 196.11 | 205.17 | 198.15 | 200.59 | 190.71 | 199.39 | 196.15 | 216.08 | 190.77 |
| Average Capital Cost | 194.27 | 196.11 | 201.68 | 198.15 | 198.68 | 190.71 | 195.19 | 196.15 | 212.44 | 190.77 |

### B. Depreciation

67. The petitioner has worked out the depreciation in accordance with the Regulation 25(3)(c) of Tariff Regulations, 2024. However, the cumulative depreciation value till FY 2027-28 claimed by the petitioner is breaching the 70% cumulative depreciable value, which is not in line with the Tariff Regulations, 2024. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

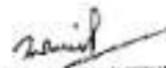
"25. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

c. Depreciation:

(c) In case of the existing projects, the balance depreciable value as on 01.04.2024 shall be worked out by deducting the cumulative depreciation as admitted by the Commission up to 31.03.2024 from the gross depreciable value of the assets. The rate of depreciation shall be continued to be charged at the rate specified in Appendix - III till cumulative depreciation reaches 70%. Thereafter, the remaining depreciable value shall be spread over the remaining life of the asset such that the maximum depreciation does not exceed 90%."

68. Accordingly, the rate of depreciation shall be charged till cumulative depreciation reaches 70%. UTPCL requests the Hon'ble Commission to direct the petitioner to clarify the same. Subsequently, the opening capital cost:

  
 (MANISH DWIVEDI)  
 Superintending Engineer-RE  
 PPA, UPPCL

considered for calculation of depreciation for FY 2024-25 is considered as per closing capital cost for FY 2023-24 of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. The addition in Capital cost is considered equivalent to additional capital expenditures claimed for each financial year as discussed in earlier Section of this Petition.

69. Further, it is difficult to assess the value of cumulative depreciation considered by the Petitioner till FY 2023-24. UPPCL requests the Hon'ble Commission to direct the petitioner to provide the details for the same. However, at this stage the cumulative depreciation has been considered as considered by the petitioner.

70. In light of the above, the allowable depreciation for control period 2024-29 has been assessed at Rs. 42.75 Crores as against Rs. 57.80 Crores claimed by the petitioner. The allowable and claimed depreciation for the control period 2024-29 is shown below:-

| Depreciation Particulars                            | 2024-27 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|---|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|   | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Opening Lay to Cost                                 | 196.15  | 196.15    | 196.29  | 196.21    | 196.57  | 196.45    | 221.75  | 196.15    | 229.41  | 196.15    |
| Addition  | 8.21    | -         | 4.78    | -         | 4.27    | -         | 4.41    | -         | 4.07    | -         |
| Deletion  | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Closing Capital Cost                                | 196.39  | 196.15    | 196.67  | 196.21    | 200.79  | 196.45    | 226.41  | 196.15    | 233.48  | 196.15    |
| Average Capital Cost                                | 196.27  | 196.15    | 197.48  | 196.21    | 199.04  | 196.15    | 212.80  | 196.15    | 219.98  | 196.15    |
| Rate of Depreciation                                | 5.76%   | 5.76%     | 5.21%   | 5.21%     | 5.25%   | 5.25%     | 5.25%   | 5.25%     | 5.25%   | 5.25%     |
| Depreciable value                                   | 173.28  | 179.21    | 174.13  | 171.14    | 178.30  | 171.81    | 186.38  | 171.14    | 196.30  | 171.14    |
| Balance carried over at the beginning of the period | 41      | 12        | 81      | 11        | 50      | 18        | 9       | 9         | 9       | 8         |
| Non-depreciating amount added                       | 31.82   | 76.82     | 48.91   | 49.92     | 42.46   | 54.53     | 36.48   | 41.83     | 38.27   | 39.15     |
| Depreciation (for the period)                       | 13.28   | 11.26     | 11.19   | 11.89     | 15.38   | 11.89     | 11.87   | 4.88      | 12.34   | 4.88      |
| Depreciation (accumulated)                          | 11.60   | 14.19     | 11.19   | 13.09     | 11.30   | 16.96     | 11.87   | 4.88      | 12.24   | 4.88      |
| Cumulative depreciation at the end of the period    | 105.12  | 183.21    | 116.42  | 184.23    | 127.31  | 127.28    | 129.78  | 132.68    | 132.42  | 136.07    |

*Manish Divedi*  
 (MANISH DIVEDI)  
 Representing Respondent-2  
 UPPCL

C. Interest on Loan

71. The petitioner in current petition has considered interest on Loan amounting to Rs. 8.21 crores, for the control period 2024-29. Subsequently, opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

72. Further, the rate of interest considered by the petitioner is 12.25% which is provided in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. However, as per Regulation 25(3)(b)(iii) of the UPERC Tariff Regulations, 2024, the rate of interest shall be the weighted average rate of interest computed on the basis of actual loans. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

*"25. Capacity (Fixed) Charges:*

*(3) Components of Fixed Charges:-*

*b. Interest on Loan Capital:*

*(iii) The rate of interest shall be the weighted average rate of interest calculated on the basis of actual loans at the beginning of each financial year and shall be adjusted based on actual loan portfolio each financial year accordingly."*

73. In view of the above, UPPCL requests the Hon'ble Commission to direct the petitioner to furnish the details of actual loan and interest, as per the aforementioned regulation, for each financial year in line with the audited books of accounts for further perusal check.

74. However, in absence of the above required supporting document, the Weighted average rate of interest has been considered same as considered by

  
(MANISH DWIVEDI)  
Superintending Engineer R2  
PPA, UPPCL

the petitioner.

75. In light of the above, the allowable interest on loan for the control period 2024-29 has been assessed at Rs. 6.58 Crore as against Rs. 8.21 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below:-

| Interest on Loan | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Net Opening      | 26.20   | 24.20     | 23.46   | 23.28     | 4.00    | 3.21      | 7.36    | 6.22      | 2.12    | -         |
| Addition         | 6.17    | -         | 4.21    | -         | 2.26    | -         | 6.22    | -         | 2.42    | -         |
| Reserve/Reti     | 51.26   | 46.36     | 31.32   | 30.29     | 11.16   | 6.08      | 23.87   | 1.22      | 4.17    | -         |
| Net Closing      | 21.54   | 21.26     | 36.50   | 32.21     | 7.34    | 5.22      | 6.37    | -         | -       | -         |
| Average Loan     | 24.28   | 4.79      | 39.53   | 17.71     | 2.23    | 4.11      | 3.94    | 1.01      | 3.64    | -         |
| Weighted         | 11.12%  | 3.24%     | 1.222%  | 1.222%    | 2.25%   | 12.42%    | 1.222%  | 12.12%    | 12.22%  | 1.222%    |
| Average EOR      | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Interest on Loan | 0.55    | 0.12      | 2.45    | 2.17      | 1.10    | 1.83      | 0.42    | 0.17      | 0.13    | -         |

#### D. Return on Equity

76. The petitioner in current petition, has projected return on equity amounting to Rs. 44.96 crore, for the control period 2024-29. Further, for computation of Return on Equity, the petitioner has considered opening balance in line with the closing balance approved in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

77. Further, the petitioner has considered addition to equity based on normative

*Rand*  
 (MANISH DWIVEDI)  
 Superintendent, Enforcement  
 PPA, IEPDA

i.e. 30% of the additional capitalization claimed. However, it is submitted that no additional capitalization should be allowed based on justification submitted in the preceding section of this report.

78. In light of the above, the allowable return on equity for the control period 2024-29 has been assessed at Rs. 42.80 Crore as against Rs. 44.96 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below-

| Particulars      | 2019-20 |           | 2020-21 |           | 2021-22 |           | 2022-23 |           | 2023-24 |           |
|------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Opening Equity   | 37.36   | 33.96     | 37.32   | 37.36     | 36.99   | 37.36     | 36.13   | 37.36     | 33.84   | 37.46     |
| Additional       | 4.92    | -         | 4.85    | -         | 7.27    | -         | 2.56    | -         | 1.22    | -         |
| Closing          |         |           |         |           |         |           |         |           |         |           |
| Capital Equity   | 42.28   | 33.96     | 42.17   | 37.36     | 44.26   | 37.36     | 38.69   | 37.36     | 35.06   | 41.92     |
| Reserve Equity   | 27.30   | 19.32     | 28.65   | 21.24     | 36.12   | 27.30     | 27.12   | 27.30     | 21.72   | 27.00     |
| Total Equity     | 69.58   | 53.28     | 70.82   | 58.60     | 80.38   | 64.66     | 65.81   | 64.66     | 56.78   | 68.92     |
| Return on Equity | 6.56    | 5.24      | 6.71    | 6.56      | 6.56    | 6.56      | 5.27    | 6.56      | 5.28    | 6.56      |

### E. Operation & Maintenance Expenses

79. The petitioner for computation of Operation & Maintenance (O&M) Expenses has considered O&M Expenses for FY 2023-24 in line with the MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC and has further escalated the same by 4.47% on annual basis as per the Regulation 25(3)(d)(iv) of the UPERC Tariff Regulations, 2024 as reproduced below:

"23. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

d. Operation and Maintenance Expenses:

(iii) The normative values of operation and maintenance expenses including insurance, for the existing hydro generating stations, shall be as approved by the Commission in the tariff order based

  
(MANISH DIVEDI)  
Supervising Engineer EE  
PPA, UPPCL

on the expenses approved in the previous control period, escalated at the rate of 4.47% per annum or any other factor as considered appropriate by the Commission."

80. Accordingly, the O&M Expenses of Rs. 228.13 Crore claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below:

| 2024-25                     | 2024-25         | 2024-25         | 2024-25         | 2024-25         |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|
| Particulars                 | Claimed/Allowed | Claimed/Allowed | Claimed/Allowed | Claimed/Allowed |
| O & M Expenses for the year | 40.73           | 40.18           | 40.84           | 40.29           |

#### F. Interest on Working Capital

81. The petitioner in present petition has considered interest on working capital amounting to Rs.12.00 Crore for the control period 2024-29, wherein the rate of interest considered by the petitioner is the bank rate as on 1<sup>st</sup> April of each of the financial year during the tariff period 2024-29, instead of the bank rate as on 01-04-2024. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

"25. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

a. Interest on Working Capital:

(ii) Rate of interest on working capital shall be on normative basis and shall be considered as the Bank Rate as on 01.04.2024 or as on 1<sup>st</sup> April of the year during the tariff period 2024-29 in which the generating station or a Unit thereof is declared under

  
 (MANISH DWIVEDI)  
 Superintending Engineer-02  
 PPA, UPPCL

commercial operation, whichever is later:

Provided that in case of triage-up, the rate of interest on working capital shall be considered at bank rate as on 1<sup>st</sup> April of each of the financial year during the triage period 2024-25"

82. As per the above, since it's being MYT petition the rate of interest should be considered as the Bank Rate as on 01-04-2024, while the rates as considered by the petitioner will be applicable while Triage-up. Accordingly, the rate of interest as 12.15% has been considered for the computation.

83. Further, due to the reduction in additional capitalization in CFA and other components, the Annual Fixed Charges has changed which impact the receivable equivalent to 45 days of capacity charges and energy charges. In light of this, UPPCL requests the Hon'ble Commission that interest of working capital may be allowed to Rs. 11.43 Crore against Rs. 12.01 Crore as claimed by the petitioner. The Summary of the claimed and allowable interest on working capital is calculated below-

| Interest on WC                        | 2021-22 |           | 2022-23 |           | 2023-24 |           | 2024-25 |           | 2025-26 |           |
|---------------------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                                       | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| G & M expenses for the year           | 41.72   | 41.72     | 41.51   | 41.15     | 45.54   | 45.34     | 47.37   | 47.27     | 49.93   | 49.74     |
| CMC Expenses for Capacity Maintenance | 3.41    | 3.40      | 3.61    | 3.63      | 3.71    | 3.79      | 3.81    | 3.86      | 4.24    | 4.14      |
| Specialized CCM                       | 6.13    | 6.52      | 6.54    | 6.56      | 6.62    | 6.63      | 7.14    | 7.14      | 7.65    | 7.65      |
| Insurance & Depn                      | 8.24    | 8.26      | 8.43    | 8.51      | 8.60    | 8.61      | 8.83    | 8.79      | 9.11    | 9.09      |
| Total Working Capital                 | 60.50   | 61.31     | 60.09   | 60.05     | 64.48   | 64.38     | 67.55   | 67.89     | 71.13   | 70.62     |
| Rate of Interest                      | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    |
| Interest on Working Capital           | 7.35    | 7.45      | 7.31    | 7.30      | 7.84    | 7.81      | 8.20    | 8.26      | 8.65    | 8.59      |

  
 (MANISH DWIVEDI)  
 Supervising Engineer (IE)  
 DDA, UPPCL

### G. Statutory Fees, Cess, Duties and Taxes

84. The petitioner has stated that it intends to recover the tariff filing fee paid to the Hon'ble Commission as a separate pass-through, similar to previous years. However, such recovery may not be permissible by the Hon'ble Commission, as the Tariff Regulations do not provide for the allowance of this expenditure.

### H. Annual Fixed Charges

85. The Petitioner, in its current petition, has projected Annual Fixed Charges amounting to Rs.351.11 Crore for the control period 2024-29.

86. Based on the aforesaid argument, the allowable Annual Fixed Charges is amounting to Rs. 331.69 Crore against Rs. 351.11 Crore claimed by the petitioner.

| Annual Fixed Charges Particulars | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|----------------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                                  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Depreciation                     | 14.60   | 10.90     | 11.19   | 11.04     | 11.59   | 10.99     | 11.87   | 11.58     | 11.34   | 11.00     |
| Interest on Loan                 | 1.71    | 1.51      | 2.44    | 2.17      | 1.20    | 0.82      | 0.62    | 0.07      | 0.12    | -         |
| Interest on Equity               | 8.36    | 8.36      | 8.71    | 8.96      | 8.94    | 8.56      | 8.11    | 8.16      | 8.51    | 8.46      |
| Interest on Working Capital      | 1.18    | 2.19      | 2.32    | 2.25      | 2.41    | 1.31      | 2.19    | 2.20      | 2.29    | 2.39      |

*(Signature)*  
 (MANISH DIXVEDI)  
 Superintendent Engineer-RE  
 HRG, HPCL

|       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total | 47.00 | 50.00 | 48.00 | 47.00 | 45.00 | 46.25 | 71.00 | 61.00 | 74.00 | 49.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

**1. Calculation of Energy Charge Rate, month wise Capacity Charges and Energy Charges**

87. Further, the petitioner has not provided any supporting documents for determination of Design Energy and Available Energy. However, the figures of Design Energy and Available Energy have been considered as provided by the petitioner. UPPCL requests the Hon'ble Commission to direct the petitioner to provide supporting document for the same. Further, based on the allowable AFC as computed above, the allowable Energy Charge Rate, month wise Capacity Charges and Energy Charges as assessed are provided in Annexure-III.

A copy of Revised HPS Energy Charge Rate, month wise Capacity Charges and Energy Charges attached as Annexure - III.

**MATAJULA HPS**

88. UPPCL submits its observations and comments specifically in respect of the Matajala Hydro Power Station (HPS), as detailed below. It is respectfully stated that the assessment of the operational parameters, unit capacities, and associated technical particulars of the Matajala HPS has been undertaken based on the information furnished by the generating entity as well as the records available with UPPCL.

  
 (MANISH DWIVEDI)  
 Superintending Engineer-RE  
 PWA, UPPCL

### A. Gross Fixed Assets

49. The petitioner in the instant petition has claimed additional capitalization of Rs. 14.32 Crores for the period FY 2024-25 to FY 2028-29. Subsequently, opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.
50. Further, the petitioner has stated that the R&M Rehabilitation and Up-rating schemes will be processed before the Finance Commission at the time of Training-up. However, the petitioner has not specified the provisions of the Regulations under which it has claimed Additional Capitalization for the period FY 2024-25 to FY 2028-29. It is noted that the petitioner has sought additional capitalization under Capital and R&M expenses, as detailed in Annexure-5 provided by them. Accordingly, the relevant Regulation governing such capitalization is reproduced below:

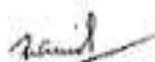
*21. Additional Capitalization:*

(i) Additional Capitalization beyond the original scope

(7) Additional Capitalization on account of Renovation and Modernisation (RAM)

a. The generating company, for meeting the expenditure on Renovation and Modernisation (RAM) for the purpose of extension of life beyond the useful life of the generating station or a Unit thereof, shall make an application before the Commission for approval of the proposal with a Detailed Project Report giving complete scope, justification, cost-benefit analysis, estimated life extension from a reference date, financial package, identity of expenditure, schedule of completion, reference price level, estimated completion cost including foreign exchange component, if any; Provided that the generating company making the application for RAM shall not be eligible for Special Allowance under Regulation 21 (3) of these Regulations; Provided further that the generating company intending to undertake RAM shall seek the consent of the beneficiaries for such RAM and submit the response of the beneficiaries along with the Petition.

b. Where the generating company makes an application for approval of its proposal for RAM, the approval may be granted after due consideration of

  
 (MANISH DWIVEDI)  
 Superintendent & General Mgr  
 PPA, UPPCL

*reasonableness of the proposed cost estimates, financing plan, schedule of completion, interest during construction, use of efficient technology, cost-benefit analysis, expected duration of life extension, consent of the beneficiaries, if obtained, and such other factors as may be considered relevant by the Commission. After completion of the R&M, the generating company shall file a petition for determination of tariff. Expenditure incurred or projected to be incurred and admitted by the Commission after prudency check based on the estimates of R&M expenditures and life extension, and after deducting the accumulated depreciation already recovered from the original project cost, shall form the basis for determination of tariff.*

91. As per the above, the generating company needs to submit a detailed proposal to the Hon'ble Commission for approval of R&M works. The proposal must include a DPR covering the full scope, justification, cost-benefit analysis, estimated life extension, financial plan, expenditure phasing, completion schedule, and reference price levels, including any foreign exchange component.

92. Further, the above quoted regulation states that the generating company must also obtain and submit UPPCL's consent for such R&M to the Hon'ble Commission along with the petition to which the Hon'ble Commission will evaluate the R&M proposal based on the reasonableness of cost estimates, financing plan, schedule of completion, interest during construction, use of efficient technology, cost-benefit analysis, expected duration of life extension, consent of the beneficiaries. Also, after completing the R&M works, the generating company shall file a petition for determination of tariff. Expenditure incurred or projected to be incurred and admitted by the Hon'ble Commission after prudency check.

93. It is pertinent to highlight that the petitioner has only provided the Financial

  
(MANISH DWYEDI)  
Sponsoring Engineer-RE  
PPA, UPPCL.

year wise list of Capital and R&M work with amount without any further supporting documents stating that the R&M/Refurbishment & Up-rating schemes will be presented to Hon'ble Commission during the time of Training-up.

94. In view of the above, it is submitted that UPPCL requests the Hon'ble Commission to direct the petitioner to submit the detailed DPL, Financial plan and other supporting documents in line with the above quoted Regulation, and hence no additional capitalization may be allowed at this stage as claimed by the Petitioner. In light of the above, the allowable GFA for the control period 2024-25 is shown below:

| Capital Cost Particulars | 2024-25 |           | 2023-24 |           | 2022-23 |           | 2021-22 |           | 2020-21 |           |
|--------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                          | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Opening Capital Cost     | 11.89   | 11.89     | 23.52   | 23.29     | 26.77   | 2.09      | 29.91   | 21.89     | 24.26   | 21.47     |
| Addition                 | 2.17    | -         | 3.01    | -         | 3.31    | -         | 1.72    | -         | 3.83    | -         |
| Deletion                 | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Closing Capital Cost     | 14.06   | 11.89     | 26.53   | 23.29     | 30.08   | 2.09      | 31.63   | 21.89     | 28.09   | 21.47     |
| Average Capital Cost     | 12.41   | 11.08     | 21.27   | 21.49     | 14.31   | 14.09     | 10.71   | 11.09     | 21.49   | 11.09     |

95. The petitioner has worked out the depreciation in accordance with the Regulation 25(3)(c) of Tariff Regulations, 2024. Subsequently, the opening capital cost considered for calculation of depreciation for FY 2024-25 is considered as per closing capital cost for FY 2023-24 of MYT for the period FY 2019-20 to FY 2023-24 approved by UPRRC. The addition in Capital cost is considered equivalent to additional capital expenditure claimed for each financial year as discussed in earlier Section of this Petition.

96. Further, it is difficult to assess the value of cumulative depreciation considered

  
 (MANISH DWIVEDI)  
 Superintending Engineer-RR  
 P.O. UPPCL

by the Petitioner in FY 2023-24. UPPCL requests the Hon'ble Commission to direct the petitioner to provide the details for the same. However, at this stage the cumulative depreciation has been considered as considered by the petitioner.

97. In light of the above, the allowable depreciation for control period 2024-29 has been assessed at Rs. 5.63 Crore as against Rs. 7.66 Crore claimed by the petitioner. The allowable and claimed depreciation for the control period 2024-29 is shown below:-

| Description   | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|---|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|   | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Opening Capital Cost                                | 11.89   | 11.89     | 11.94   | 11.89     | 12.77   | 11.89     | 11.89   | 11.94     | 11.94   | 11.94     |
| Add-on  | 3.67    | -         | 3.58    | -         | 3.87    | -         | 3.75    | -         | 3.43    | -         |
| Deletion  | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Closing Capital Cost                                | 15.56   | 11.89     | 15.52   | 11.89     | 16.64   | 11.89     | 15.64   | 11.89     | 15.37   | 11.94     |
| Average Capital Cost                                | 13.43   | 11.89     | 13.25   | 11.89     | 14.75   | 11.89     | 13.70   | 11.89     | 13.40   | 11.89     |
| Rate of Depreciation                                | 8.25%   | 8.25%     | 8.25%   | 8.25%     | 7.98%   | 8.25%     | 8.49%   | 8.25%     | 8.25%   | 8.25%     |
| Depreciable value                                   | 18.81   | 11.89     | 12.94   | 11.89     | 13.46   | 11.89     | 11.63   | 11.89     | 11.21   | 11.89     |
| Balance to be set for<br>beginning of the period    | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         | 0       | 0         |
| Working Depreciable<br>value                        | 18.81   | 11.89     | 12.94   | 11.89     | 13.46   | 11.89     | 11.63   | 11.89     | 11.21   | 11.89     |
| Depreciation for the<br>period                      | 1.56    | 0.98      | 1.07    | 0.98      | 1.08    | 0.98      | 0.98    | 0.98      | 0.92    | 0.98      |
| Depreciation accumulated                            | 1.56    | 0.98      | 1.07    | 0.98      | 1.08    | 0.98      | 0.98    | 0.98      | 0.92    | 0.98      |
| Cumulative depreciation at<br>the end of the period | 1.56    | 0.98      | 1.07    | 0.98      | 1.08    | 0.98      | 0.98    | 0.98      | 0.92    | 0.98      |

### C. Interest on Loan

98. The petitioner in current petition has considered interest on Loan amounting

  
(MANISH CHAVHAN)  
Superintending Engineer (SE)  
PPW, UPPCL

to Rs. 0.89 crore, for the control period 2024-29. Subsequently, opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

99. Further, the rate of interest considered by the petitioner is 12.25% which is provided in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. However, as per Regulation 25(3)(b)(iii) of the UPERC Tariff Regulations, 2024, the rate of interest shall be the weighted average rate of interest computed on the basis of actual loans. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

*"25. Capacity (Fixed) Charges:*

*(1) Components of Fixed Charges:*

*b. Interest on Loan Capital:*

*(iii) The rate of interest shall be the weighted average rate of interest calculated on the basis of actual loans at the beginning of each financial year and shall be adjusted based on actual loan portfolio each financial year accordingly"*

100. In view of the above, UPPCL considers requesting the Hon'ble Commission to direct the petitioner to furnish the details of actual loan and interest, as per the aforementioned regulation, for each financial year in line with the audited books of accounts for further prudence check.

101. However, in absence of the above required supporting document, the Weighted average rate of interest has been considered same as considered by the petitioner. Also, UPPCL requests the Hon'ble Commission to direct the

  
(MANISH DWIVEDI)  
Superintending Engineer-RE  
PPA, UPPCL

petitioner to clarify the repayment amount claimed in FY 2028-29 which is provided as Rs. 0.94 Crore while the Depreciation amount claimed in FY

| Account<br>in<br>Loan   | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|-------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                         | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Net Opening             | -       | -         | 4.07    | -         | 1.40    | -         | 1.80    | -         | 1.52    | -         |
| ADD:W                   | 1.07    | -         | 2.73    | -         | 2.31    | -         | 1.71    | -         | 2.00    | -         |
| Depreciation            | 1.23    | -         | 1.77    | -         | 1.55    | -         | 1.63    | -         | 1.56    | -         |
| Net Closing             | 1.87    | -         | 1.49    | -         | 1.06    | -         | 1.22    | -         | 1.28    | -         |
| Average Loan            | 1.27    | -         | 1.43    | -         | 1.23    | -         | 1.33    | -         | 1.40    | -         |
| Weighted<br>Average IFR | 11.27%  | 11.27%    | 12.31%  | 12.31%    | 12.20%  | 12.20%    | 12.15%  | 12.15%    | 12.20%  | 12.20%    |
| Balance<br>on<br>Loan   | 1.84    | -         | 0.81    | -         | 0.31    | -         | 0.31    | -         | 0.30    | -         |

2028-29 is Rs. 1.85 Crore.

102. In light of the above, the allowable interest on loan for the control period 2024-29 has been assessed at NIL as against Rs. 0.89 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below -

#### D. Return on Equity

103. The petitioner in current position, has projected return on equity amounting to Rs. 6.31 crore, for the control period 2024-29. Further, for computation of Return on Equity, the petitioner has considered opening balance in line with the closing balance approved in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

104. Further, the petitioner has considered addition to equity based on normative i.e. 30% of the additional capitalization claimed. However, it is submitted that

  
(MANISH DWIVEDI)  
S23 Retiring Engineer (E)  
PWA, UPWCL

no additional capitalization should be allowed based on justification submitted in the preceding section of this report.

105. In light of the above, the allowable return on equity for the control period 2024-29 has been assessed at Rs. 4.75 Crore as against Rs. 6.31 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below:-

| Particulars         | 2018-19 |           | 2019-20 |           | 2020-21 |           | 2021-22 |           | 2022-23 |           |
|---------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                     | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Operating Costs     | 1.11    | 6.21      | 1.11    | 6.11      | 1.03    | 6.17      | 1.05    | 6.25      | 1.07    | 6.31      |
| Capital             | 1.00    | -         | 0.90    | -         | 0.80    | -         | 0.70    | -         | 0.60    | -         |
| Operating           | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Capital Expenditure | 1.11    | 6.20      | 1.03    | 6.10      | 0.95    | 6.12      | 0.87    | 6.07      | 0.80    | 6.01      |
| Average Cost        | 6.71    | 6.30      | 7.20    | 6.35      | 6.95    | 6.33      | 6.21    | 6.30      | 6.00    | 6.31      |
| Rate of ROE         | 14.00%  | 15.00%    | 13.00%  | 12.25%    | 13.00%  | 13.00%    | 15.00%  | 15.00%    | 13.00%  | 13.25%    |
| Return on Equity    | 1.00    | 0.90      | 1.00    | 0.90      | 1.00    | 0.90      | 1.00    | 0.90      | 1.00    | 0.90      |

#### E. Operating & Maintenance Expenses

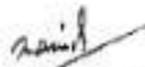
106. The petitioner for computation of Operation & Maintenance (O&M) Expenses has considered O&M Expenses for FY 2023-24 as line with the MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC, while has further escalated at 4.67% on annual basis instead of 4.47% on annual basis as per the Regulation 25(3)(d)(iv) of the UPERC Tariff Regulations, 2024 as reproduced below:

(2). Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

6. Operation and Maintenance Expenses:

(b) The normative values of operation and maintenance expenses including insurance for the existing hydro generating stations, shall be as approved by the Commission in the tariff order based on the expenses approved in the previous control period,

  
 (MANISH DWIVEDI)  
 Senior Consulting Engineer-RC  
 W&A, UPPCL

*escalated at the rate of 4.47% per annum or any other factor as considered appropriate by the Commission."*

107. Accordingly, the escalation has been considered as 4.47% and hence the allowable O&M Expenses for the control period 2024-29 has been assessed at Rs. 50.66 Crore as against Rs. 50.96 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown below:

| O&M Expenses Particulars  | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|---------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                           | Claimed | Allowable |
| O&M expenses for the year | 52.8    | 5.7       | 5.2     | 5.08      | 20.17   | 15.11     | 16.62   | 19.57     | 11.36   | 11.66     |

#### F. Interest on Working Capital

108. The petitioner in present petition has considered interest on working capital amounting to Rs.2.53 Crore for the control period 2024-29, wherein the rate of interest considered by the petitioner is the bank rate as on 1<sup>st</sup> April of each of the financial year during the tariff period 2024-29, instead of the bank rate as on 01-04-2024. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

"25. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

e. Interest on Working Capital:

(iii) Rate of interest on working capital shall be on normative basis and shall be considered as the Bank Rate as on 01.04.2024 or as on 1<sup>st</sup> April of the year during the tariff period 2024-29 in which the generating station or a Unit thereof is declared under commercial operation, whichever is later:

*(Signature)*  
 (MANISH DWIVEDI)  
 Superintending Engineer-JR  
 PPA, UPPCL

*Provided that in case of tripping-up, the rate of interest on working capital shall be considered at bank rate as on 1<sup>st</sup> April of each of the financial year during the tripping period 2024-29"*

105. As per the above, since it's being MYT petition the rate of interest should be considered as the Bank Rate as on 01-04-2024, while the rates as considered by the petitioner will be applicable while Tripping-up. Accordingly, the rate of interest as 12.15% has been considered for the computation. Further, due to the reduction in additional capitalization to GFA and other components, the Annual Fixed Charges has changed which impact the receivable equivalent to 45 days of capacity charges and energy charges. In light of this, UPFCL requests the Hon'ble Commission that interest of working capital may be allowed to Rs. 2.39 Crore against Rs. 2.53 Crore as claimed by the petitioner. The Summary of the claimed and allowable interest on working capital is calculated below-

| Interest on WC                | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|-------------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                               | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Particulars                   |         |           |         |           |         |           |         |           |         |           |
| U & J expense for tripping    | 4.28    | 3.27      | 3.31    | 3.18      | 11.77   | 10.51     | 12.45   | 10.57     | 21.14   | 18.04     |
| GFA Expense for tripping      | 0.77    | 0.75      | 0.81    | 0.81      | 0.82    | 1.24      | 0.81    | 0.28      | 0.70    | 0.87      |
| Minimum Span (217) at initial | 3.26    | 1.29      | 1.48    | 1.48      | 4.50    | 1.52      | 1.59    | 2.18      | 1.87    | 1.46      |
| Receivable 45 days            | 1.41    | 1.43      | 1.78    | 1.57      | 1.46    | 1.28      | 1.79    | 1.42      | 1.83    | 1.68      |
| Total Working Capital         | 241     | 241       | 585     | 376       | 434     | 375       | 431     | 418       | 425     | 430       |
| Rate of Interest              | 12.20%  | 12.15%    | 12.50%  | 12.15%    | 12.00%  | 12.15%    | 12.10%  | 12.15%    | 12.30%  | 12.15%    |
| Interest on Working Capital   | 5.84    | 6.41      | 6.48    | 6.85      | 5.27    | 6.46      | 5.22    | 6.38      | 6.28    | 6.22      |

  
(MANISH DWIVEDI)  
Supervising Engineer-RE  
PPS, UPFCL

### G. Statutory Fees, Cess, Duties and Taxes

110. The petitioner has stated that it intends to recover the tariff filing fee paid to the Hon'ble Commission as a separate pass-through, similar to previous years. However, such recovery may not be permissible by the Hon'ble Commission, as the Tariff Regulations do not provide for the allowance of this expenditure.

### H. Annual Fixed Charges

111. The Petitioner, in its current petition, has projected Annual Fixed Charges amounting to Rs.68.34 Crore for the control period 2024-25.
112. Based on the aforesaid argument, the allowable Annual Fixed Charges is amounting to Rs. 63.43 Crore against Rs. 68.34 Crore claimed by the petitioner.

| Annual Fixed Charges        | 2024-25      |              | 2023-24      |              | 2022-23      |              | 2021-22      |              | 2020-21      |              |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                             | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable    |
| Depreciation                | 1.20         | 1.13         | 1.27         | 1.13         | 1.35         | 1.13         | 1.09         | 1.13         | 1.15         | 1.12         |
| Interest on Loans           | 0.04         | -            | 0.23         | -            | 0.21         | -            | 0.22         | -            | 0.20         | -            |
| Interest on Equity          | 1.01         | 0.95         | 1.14         | 0.95         | 1.27         | 0.95         | 1.34         | 0.95         | 1.31         | 0.95         |
| Interest on Working Capital | 0.11         | 0.41         | 0.48         | 0.46         | 0.51         | 0.48         | 0.51         | 0.50         | 0.54         | 0.52         |
| O & M Expenses              | 8.28         | 8.27         | 9.73         | 8.68         | 10.17        | 10.11        | 10.65        | 10.57        | 11.14        | 11.04        |
| <b>Total</b>                | <b>11.98</b> | <b>11.78</b> | <b>12.83</b> | <b>11.21</b> | <b>13.51</b> | <b>12.67</b> | <b>14.46</b> | <b>13.14</b> | <b>15.36</b> | <b>13.63</b> |

  
 (MANISH DWIVEDI)  
 Supervising Engineer-RE  
 PPA, 17901

**I. Calculation of Energy Charge Rate, month wise Capacity Charges and Energy Charges**

113. Further, the petitioner has not provided any supporting documents for determination of Design Energy and Available Energy. However, the figures of Design Energy and Available Energy have been considered as provided by the petitioner. UPPCL requests the Hon'ble Commission to direct the petitioner to provide supporting document for the same. Further, based on the allowable AFC as computed above, the allowable Energy Charge Rate, month wise Capacity Charges and Energy Charges as assessed are provided in Annexure-IV.

A copy of Maatla HPS Energy Charge Rate, month wise Capacity Charges and Energy Charges attached as Annexure - IV.

**UPPER GANGA CANAL HPS**

114. UPPCL submits its observations and comments specifically in respect of the Upper Ganga Canal HPS, as detailed below. It is respectfully stated that the assessment of the operational parameters, unit capacities, and associated technical particulars of the Upper Ganga Canal HPS has been undertaken based on the information furnished by the generating entity as well as the records available with UPPCL.

**A. Gross Fixed Assets**

115. The opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by

  
(MANISH DWIVEDI)  
Superintending Engineer RE  
PPA UPPCL

UPERC and no further additional capitalization has been claimed by the petitioner in the instant petition.

A copy of Upper Ganga Canal HPS proposed additional capitalization is attached herewith as Annexure -3.

116. In view of the above, the Hon'ble Commission may allow the GPA as claimed by the petitioner in the instant petition as shown below:

| Capital Cost Particulars | 2018-19 |         | 2019-20 |         | 2020-21 |         | 2021-22 |         | 2022-23 |         |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                          | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed |
| Opening Capital Cost     | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    |
| Addition                 | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| Deletion                 | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| Closing Capital Cost     | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    |
| Average Capital Cost     | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    |

### B. Depreciation

117. The petitioner has worked out the depreciation in accordance with the Regulation 25(3)(c) of Tariff Regulations, 2024. Subsequently, the opening capital cost considered for calculation of depreciation for FY 2024-25 is considered as per closing capital cost for FY 2023-24 of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

118. Accordingly, Depreciation of Rs. 0.20 Crore claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below:

| Capital Cost Particulars | 2018-19 |         | 2019-20 |         | 2020-21 |         | 2021-22 |         | 2022-23 |         |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                          | Claimed | Allowed |
| Opening Capital Cost     | 1.18    | 1.18    | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    | 1.18    | 1.05    |
| Addition                 | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |

*Manish Dwivedi*  
 (MANISH DWIVEDI)  
 Superintending Engineer-RE  
 PWA, UPFC

| Particulars                 | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Opening Capital Cost        | 3.08    | 3.02    | 3.00    | 3.01    | 3.02    | 3.03    | 3.04    | 3.05    | 3.06    | 3.07    |
| Closing Capital Cost        | 3.08    | 3.05    | 3.02    | 3.01    | 3.02    | 3.03    | 3.04    | 3.05    | 3.06    | 3.07    |
| Rate of Depreciation        | 5.28%   | 5.19%   | 5.08%   | 5.08%   | 5.08%   | 5.08%   | 5.08%   | 5.08%   | 5.08%   | 5.08%   |
| Depreciation for the period | 3.11    | 3.20    | 3.21    | 3.31    | 3.21    | 3.17    | 3.21    | 3.21    | 3.21    | 3.21    |
| Depreciation for the period | 1       | 4       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       |
| Depreciation for the period | 0.09    | 0.20    | -       | -       | -       | -       | -       | -       | -       | -       |
| Depreciation for the period | 0.09    | 0.08    | -       | -       | -       | -       | -       | -       | -       | -       |
| Depreciation for the period | 0.29    | 0.21    | -       | -       | -       | -       | -       | -       | -       | -       |
| Closing Capital Cost        | 3.09    | 3.21    | 3.21    | 3.21    | 3.21    | 3.21    | 3.21    | 3.21    | 3.21    | 3.21    |

### C. Interest on Loan

119. The petitioner in current petition has considered NIL opening balance for FY 2024-25, while the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC is Rs. 0.06 Crore. However, NIL opening balance has been considered for FY 2024-25.

120. Further, the rate of interest considered by the petitioner is 12.25% which is provided in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. However, as per Regulation 25(3)(b)(iii) of the UPERC Tariff Regulations, 2024, the rate of interest shall be the weighted average rate of interest computed on the basis of actual loans. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

"25. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

b. Interest on Loan Capital:

(iii) The rate of interest shall be the weighted average rate of interest calculated on the basis of actual loans at the beginning of each financial year and shall be adjusted based on actual loans portfolio each

(MANISH DWIVEDI)  
Supervising Engineer-4th  
PPL, LFPCL

financial year accordingly."

121. In view of the above, UPPCL requests the Hon'ble Commission to direct the petitioner to furnish the details of actual loan and interest, as per the aforementioned regulation, for each financial year in line with the audited books of accounts for further petitioner check.
122. However, in absence of the above required supporting document, the Weighted average rate of interest has been considered same as considered by the petitioner.
123. In light of the above, the Interest on Loan of Rs. NIL claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below -

| Interest on Loan                   | 2023-24 |          | 2024-25 |          | 2025-26 |          | 2026-27 |          | 2027-28 |          |
|------------------------------------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
|                                    | Current | Admitted |
| Interest                           | -       | -        | -       | -        | -       | -        | -       | -        | -       | -        |
| Expenses                           | -       | -        | -       | -        | -       | -        | -       | -        | -       | -        |
| Net Charge                         | -       | -        | -       | -        | -       | -        | -       | -        | -       | -        |
| Average Loan Weighted average rate | 12.15%  | 12.20%   | 12.25%  | 12.30%   | 12.35%  | 12.40%   | 12.45%  | 12.50%   | 12.55%  | 12.60%   |
| Interest on Loan                   | -       | -        | -       | -        | -       | -        | -       | -        | -       | -        |

#### B. Return on Equity

  
 (MANISH DWIVEDI)  
 Supervising Engineer-EE  
 PPA, UPPCL

124. The petitioner in current petition, has projected return on equity amounting to Rs. 0.83 crores, for the control period 2024-29. Further, for computation of Return on Equity, the petitioner has considered opening balance in line with the closing balance approved in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

125. In light of the above, the Return on Equity of Rs. 0.83 Crores claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below-

| Return on Equity | 2019-20 |           | 2020-21 |           | 2021-22 |           | 2022-23 |           | 2023-24 |           |
|------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Opening Equity   | 1.05    | 1.24      | 1.03    | 1.24      | 1.04    | 1.24      | 1.20    | 1.20      | 1.24    | 1.24      |
| Additional       | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Closing Equity   | 1.30    | 1.30      | 1.18    | 1.24      | 1.10    | 1.24      | 1.20    | 1.20      | 1.24    | 1.24      |
| Average Equity   | 1.10    | 1.30      | 1.10    | 1.24      | 1.07    | 1.24      | 1.20    | 1.20      | 1.24    | 1.24      |
| Rate of Cost     | 15.00%  | 11.50%    | 15.00%  | 11.50%    | 15.00%  | 11.50%    | 15.00%  | 11.50%    | 15.00%  | 11.50%    |
| Return on Equity | 0.19    | 0.37      | 0.17    | 0.37      | 0.17    | 0.37      | 0.17    | 0.37      | 0.17    | 0.37      |

#### E. Operating & Maintenance Expenses

126. The petitioner for computation of Operation & Maintenance (O&M) Expenses has considered O&M Expenses for FY 2023-24 in line with the MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC, while has further escalated at 4.47% on annual basis as per the Regulation 25(3)(d)(iv) of the UPERC Tariff Regulations, 2024 as reproduced below:

25. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

d. Operation and Maintenance Expenses:

  
(MANISH DWIVEDI)  
Superintending Engineer-EE  
UPP, UPPCL

- (i) *The normative values of operation and maintenance expenses including insurance, for the existing hydro generating stations, shall be as approved by the Commission in the tariff order based on the expenses approved in the previous control period, escalated at the rate of 4.47% per annum or any other factor as considered appropriate by the Commission.*

127. Accordingly, the O&M Expenses of Rs. 59.40 Crore claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below:

| O&M Expenses | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 |
|--------------|---------|---------|---------|---------|---------|
| Petitioner   | 59.40   | 62.00   | 64.60   | 67.20   | 69.80   |
| Commission   | 59.40   | 62.00   | 64.60   | 67.20   | 69.80   |

### E. Interest on Working Capital

128. The petitioner in present petition has considered interest on working capital amounting to Rs 2.69 Crore for the control period 2024-29, wherein the rate of interest considered by the petitioner is the bank rate as on 1<sup>st</sup> April of each of the financial year during the tariff period 2024-29, instead of the bank rate as on 01-04-2024. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

(2) *Capacity (Fixed) Charges:*

(3) *Components of Fixed Charges:*

a. *Interest on Working Capital:*

(iv) *Rate of interest on working capital shall be on normative basis and shall be considered at the Bank Rate as on 01.04.2024 or as on 1<sup>st</sup> April of the year during the tariff period 2024-29 in which the*

  
(MANISH DWIVEDI)  
Deputy Chief Engineer (E)  
UPERC, UPPCL

generating station or a Unit thereof is disclosed under commercial operation, whichever is later:

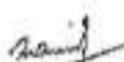
Provided that in case of bring-up, the rate of interest on working capital shall be considered as bank rate as on 1<sup>st</sup> April of each of the financial year during the tariff period 2024-25"

129. As per the above, since it's being MYT petition the rate of interest should be considered as the Bank Rate as on 01-04-2024, while the rates as considered by the petitioner will be applicable while True-up. Accordingly, the rate of interest as 12.15% has been considered for the computation.

130. Further, UPPCL requests the Hon'ble Commission that interest of working capital may be allowed to Rs. 2.63 Crores against Rs. 2.59 Crores as claimed by the petitioner. The Summary of the claimed and allowable interest on working capital is calculated below-

| Interest on WC                 | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|--------------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Cost of 12 Expenses under JCR  | 14.90   | 16.86     | 11.35   | 11.31     | 11.20   | 11.84     | 12.16   | 12.59     | 12.64   | 12.84     |
| GA&E Expenses for 1 month      | 0.51    | 0.81      | 0.60    | 0.62      | 0.69    | 0.79      | 1.03    | 1.20      | 1.26    | 1.24      |
| Unallocated Spares @15% of JCR | 2.51    | 2.63      | 2.73    | 2.78      | 2.78    | 2.78      | 2.86    | 2.86      | 2.94    | 2.94      |
| Escalation @ 4% Ann            | 1.44    | 1.44      | 1.44    | 1.48      | 1.51    | 1.55      | 1.51    | 1.51      | 1.59    | 1.60      |
| Total Working Capital          | 19.36   | 20.64     | 16.12   | 16.17     | 16.18   | 16.96     | 17.56   | 17.96     | 18.43   | 18.62     |
| Rate of Interest               | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    |
| Interest on Working Capital    | 4.95    | 6.40      | 5.82    | 5.79      | 4.54    | 6.82      | 6.64    | 6.58      | 6.58    | 6.62      |

### G. Statutory Fees, Cost, Design and Taxes

  
 (MANISH DWIVEDI)  
 Supervising Engineer RE  
 PPA 07/16

### G. Statutory Fees, Cess, Duties and Taxes

131. The petitioner has stated that it intends to recover the tariff filing fee paid to the Hon'ble Commission as a separate pass-through, similar to previous years. However, such recovery may not be permissible by the Hon'ble Commission, as the Tariff Regulations do not provide for the allowance of this expenditure.

### H. Annual Fixed Charges

132. The Petitioner, in its current petition, has projected Annual Fixed Charges amounting to Rs.63.12 Crore for the control period 2024-29.

133. Based on the aforesaid argument, the allowable Annual Fixed Charges is amounting to Rs. 63.06 Crore against Rs. 63.12 Crore claimed by the petitioner.

| Annual Fixed Charges        | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Provision for Depreciation  | 0.50    | 0.23      | -       | -         | -       | -         | -       | -         | -       | -         |
| Interest on Loan            | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Interest on Equity          | 0.17    | 0.17      | 0.17    | 0.17      | 0.17    | 0.17      | 0.17    | 0.17      | 0.17    | 0.17      |
| Interest on Working Capital | 0.41    | 0.42      | 0.37    | 0.39      | 0.38    | 0.37      | 0.34    | 0.35      | 0.30    | 0.32      |
| O & M Expenses              | 10.86   | 10.86     | 11.35   | 11.75     | 11.46   | 11.65     | 11.39   | 11.39     | 12.84   | 12.96     |
| Total                       | 11.72   | 11.72     | 12.96   | 12.63     | 12.56   | 12.55     | 13.12   | 13.99     | 15.76   | 15.66     |

  
 (MANISH DWIVEDI)  
 Superintending Engineer-RE  
 PPA, LTCL

### L. Calculation of Tariff

134. Further, the Gross generation and Net Generation values considered by the petitioner seem to be incorrect due to incorrect leap year consideration. Accordingly, the Hon'ble Commission may allow the Levelized Tariff of Rs. 3.06/kWh as assessed below:

| Particulars                 | Unit    | 2014-21 | 2015-26 | 2016-27 | 2027-28 | 2018-29 |
|-----------------------------|---------|---------|---------|---------|---------|---------|
| Installed Capacity          | MW      | 13.70   | 13.70   | 13.70   | 13.70   | 13.70   |
| Gross Generation            | MU      | 16.00   | 16.25   | 16.00   | 16.00   | 16.00   |
| Avg. Consumption            | %       | 1.00%   | 1.00%   | 1.00%   | 1.00%   | 1.00%   |
| Net Generation              | MU      | 15.34   | 15.34   | 15.34   | 15.34   | 15.34   |
| Depreciation                | Rs. Cr. | 0.00    | -       | -       | -       | -       |
| Interest on Loan            | Rs. Cr. | -       | -       | -       | -       | -       |
| Return on Equity            | Rs. Cr. | 0.17    | 0.17    | 0.17    | 0.17    | 0.17    |
| Interest on Working Capital | Rs. Cr. | 0.01    | 0.06    | 0.32    | 0.35    | 0.37    |
| O & M Expenses              | Rs. Cr. | 0.86    | 1.15    | 1.86    | 0.70    | 1.34    |
| Total                       | Rs. Cr. | 1.17    | 1.32    | 2.25    | 1.20    | 1.68    |
| Per Unit                    |         |         |         |         |         |         |
| Depreciation                | Rs./kWh | 0.06    | -       | -       | -       | -       |
| Interest on Loan            | Rs./kWh | -       | -       | -       | -       | -       |
| Return on Equity            | Rs./kWh | 0.00    | 0.03    | 0.02    | 0.03    | 0.03    |
| Interest on Working Capital | Rs./kWh | 0.01    | 0.04    | 0.10    | 0.13    | 0.14    |
| O & M Expenses              | Rs./kWh | 1.05    | 1.18    | 1.27    | 1.07    | 1.00    |
| Total                       | Rs./kWh | 1.12    | 1.27    | 1.32    | 1.27    | 1.20    |
| Discount Factor             | %       | 9.19%   |         |         |         |         |
| Discount Factor             | 1.00    | 0.92    | 0.84    | 0.77    | 0.70    |         |
|                             |         | 1.29    | 1.00    | 1.00    | 1.02    | 0.76    |
| Levelized Tariff            | Rs./kWh | 1.40    |         |         |         |         |

### RELKA HPS

135. UPPCL submits its observations and comments specifically in respect of the Relka HPS, as detailed below. It is respectfully stated that the assessment of the operational parameters, unit capacities, and associated technical

  
 (MANISH DWIVEDI)  
 Superintending Engineer-RE  
 PPA, UPPCL

particulars of the Belka HPS has been undertaken based on the information furnished by the generating entity as well as the records available with UPPCL.

#### A. Gross Fixed Assets

136. The opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC and no further additional capitalization has been claimed by the petitioner in the instant petition.

A copy of proposed additional capitalization is attached herewith as Annexure -6.

137. In view of the above, the Hon'ble Commission may allow the GFA as claimed by the petitioner in the instant petition as shown below:

| Category/Item        | 2019-20 |         | 2020-21 |         | 2021-22 |         | 2022-23 |         | 2023-24 |         |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                      | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed | Claimed | Allowed |
| Opening Capital Cost | 17.82   | 17.92   | 17.86   | 17.82   | 17.92   | 17.94   | 17.92   | 17.90   | 17.88   | 17.82   |
| Addition             | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| Deletion             | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| Closing Capital Cost | 17.82   | 17.82   | 17.86   | 17.82   | 17.92   | 17.94   | 17.92   | 17.92   | 17.92   | 17.82   |
| Amplified Gross Cost | 17.82   | 17.82   | 17.82   | 17.82   | 17.92   | 17.92   | 17.92   | 17.92   | 17.92   | 17.82   |

#### B. Depreciation

138. The petitioner has worked out the depreciation in accordance with the Regulation 25(3)(c) of Tariff Regulations, 2024. However, the cumulative depreciation value till FY 2024-25 claimed by the petitioner is breaching the 70% cumulative depreciable value, which is not in line with the Tariff Regulations, 2024. The relevant abstract of the UPERC Regulations, 2024 is

  
 (MANISH DWIVEDI)  
 Supervising Engineer-RE  
 PPA, UPPCL

reproduced below:

"25. Capacity (Fixed) Charges:

(2) Components of Fixed Charges:

c. Depreciation:

(i) In case of the existing projects, the balance depreciable value as on 01.04.2024 shall be worked out by deducting the cumulative depreciation as admitted by the Commission up to 31.03.2024 from the gross depreciable value of the assets. The rate of depreciation shall be continued to be charged at the rate specified in Appendix - III till cumulative depreciation reaches 70%. Thereafter, the remaining depreciable value shall be spread over the remaining life of the asset such that the maximum depreciation does not exceed 90%."

139. Accordingly, the rate of depreciation shall be charged till cumulative depreciation reaches 70%. UPPCL requests the Hon'ble Commission to direct the petitioner to clarify the same. Subsequently, the opening capital cost considered for calculation of depreciation for FY 2024-25 is considered as per closing capital cost for FY 2023-24 of MYT for the period FY 2019-20 to FY 2023-24 approved by UFERC.

140. In light of the above, the allowable depreciation for control period 2024-29 has been assessed at Rs. 3.31 Crore as against Rs. 1.64 Crore claimed by the petitioner. The allowable and claimed depreciation for the control period 2024-29 is shown below.

| Particulars | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 |
|-------------|---------|---------|---------|---------|---------|
|-------------|---------|---------|---------|---------|---------|

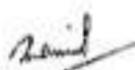
  
 (MANISH DWIVEDI)  
 Generalizing Engineer-RE  
 PPA, UPPCL

| Particulars                                       | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Opening Capital Cost                              | 17.92   | 17.92   | 18.02   | 18.02   | 18.10   | 18.18   | 18.26   | 18.34   | 18.42   | 18.50   |
| addition  | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| deletion  | -       | -       | -       | -       | -       | -       | -       | -       | -       | -       |
| Closing Capital Cost                              | 17.92   | 17.92   | 18.02   | 18.02   | 18.10   | 18.18   | 18.26   | 18.34   | 18.42   | 18.50   |
| Average Capital Cost                              | 17.92   | 17.92   | 18.02   | 18.02   | 18.10   | 18.18   | 18.26   | 18.34   | 18.42   | 18.50   |
| Rate of Depreciation                              | 1.79%   | 1.79%   | 1.79%   | 1.79%   | 1.79%   | 1.79%   | 1.79%   | 1.79%   | 1.79%   | 1.79%   |
| Depreciation value                                | 32.13   | 32.13   | 32.15   | 32.23   | 32.33   | 32.43   | 32.53   | 32.63   | 32.73   | 32.83   |
| Interest cost/100 for the beginning of the period | 11      | 11      | 11      | 11      | 11      | 11      | 11      | 11      | 11      | 11      |
| Interest Depreciation value                       | 4.25    | 4.26    | 4.28    | 4.30    | 4.31    | 4.32    | 4.33    | 4.34    | 4.35    | 4.36    |
| Depreciation for the period                       | 1.80    | 1.83    | 1.85    | 1.86    | 1.88    | 1.90    | 1.91    | 1.92    | 1.93    | 1.94    |
| Depreciation (presented)                          | 1.24    | 1.25    | 1.27    | 1.28    | 1.29    | 1.31    | 1.32    | 1.33    | 1.34    | 1.35    |
| Capital Cost Depreciation for the period          | 17.98   | 18.00   | 18.02   | 18.03   | 18.05   | 18.07   | 18.09   | 18.11   | 18.12   | 18.14   |

### c. Interest on Loan

141. The petitioner in current petition has considered Interest on Loan amounting to Rs. 2.52 crore, for the control period 2024-25. Subsequently, opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

142. Further, the rate of interest considered by the petitioner is 12.25% which is provided in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. However, as per Regulation 25(3)(b)(ii) of the UPERC Tariff Regulations, 2024, the rate of interest shall be the weighted average rate of interest computed on the basis of actual loans. The relevant abstract of the

  
 (MANISH DWIVEDI)  
 Executive Engineer-EC  
 PPA, CPFL

UPERC Regulations, 2024 is reproduced below:

"25. Capacity (Fixed) Charges:

(1) Components of Fixed Charges:

b. Interest on Loan Capital:

(iii) The rate of interest shall be the weighted average rate of interest calculated on the basis of actual loans at the beginning of each financial year and shall be adjusted based on actual loan portfolio each financial year accordingly"

143. In view of the above, UPPCL requests the Hon'ble Commission to direct the petitioner to furnish the details of actual loan and interest, as per the aforementioned regulation, for each financial year in line with the audited books of accounts for further prudence check.

144. However, in absence of the above required supporting document, the Weighted average rate of interest has been considered same as considered by the petitioner.

145. In light of the above, the allowable interest on loan for the control period 2024-25 has been assessed at Rs. 3.36 Crore as against Rs. 2.52 Crore claimed by the petitioner. The summary of the allowable and claimed by the petitioner is shown as below -

| Interest Loan         | 2024-25 |           | 2023-24 |           | 2022-23 |           | 2021-22 |           | 2020-21 |           |
|-----------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                       | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Particulars           | 6.11    | 5.11      | 5.28    | 5.09      | 4.24    | 3.43      | 2.72    | 2.31      | 1.11    | 2.00      |
| Net Interest          | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Regulator             | 4.80    | 4.10      | 4.10    | 3.81      | 3.10    | 2.51      | 2.11    | 1.81      | 0.71    | 1.51      |
| Allowable             | 1.31    | 1.01      | 1.18    | 1.28      | 1.14    | 0.92      | 0.61    | 0.50      | 0.40    | 0.49      |
| Actual Loan           | 1.80    | 1.71      | 1.71    | 1.81      | 1.71    | 1.61      | 1.51    | 1.41      | 1.31    | 1.21      |
| Weighted Average Rate | 12.25%  | 12.25%    | 12.25%  | 12.25%    | 12.25%  | 12.25%    | 12.25%  | 12.25%    | 12.25%  | 12.25%    |

(MANISH DWIVEDI)  
 Supt. Insp. of Engineers (RE)  
 DCA, UPPCL

|                  |      |      |      |      |      |      |      |      |      |      |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Interest<br>Rate | 8.71 | 8.75 | 8.88 | 8.75 | 9.46 | 8.77 | 8.59 | 8.82 | 8.71 | 8.39 |
|------------------|------|------|------|------|------|------|------|------|------|------|

#### d. Return on Equity

146. The petitioner in current petition, has projected return on equity amounting to NIL, for the control period 2024-25. Further, for computation of Return on Equity, the petitioner has considered opening balance in line with the closing balance approved in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

147. In light of the above, the Return on Equity of Ra. NEL, claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below-

| Return on Equity<br>Particulars | 2019-20 |           | 2020-21 |           | 2021-22 |           | 2022-23 |           | 2023-24 |           |
|---------------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                                 | Claimed | Allowable |
| Opening Equity                  | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Additions                       | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Expenses                        | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Closing Equity                  | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Average Equity                  | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Rate of ROE                     | 15.00%  | 15.00%    | 15.00%  | 15.00%    | 15.00%  | 15.00%    | 15.00%  | 15.00%    | 15.00%  | 15.00%    |
| Return on Equity                | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |

#### e. Operating & Maintenance Expenses

148. The petitioner for computation of Operation & Maintenance (O&M) Expenses has considered O&M Expenses for FY 2023-24 in line with the MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC, while

  
(MANISH DWIVEDI)  
Superintending Engineer-EE  
PWA (UPCL)

has further escalated at 4.47% on annual basis as per the Regulation 25(3)(d)(iv) of the UPERC Tariff Regulations, 2024 as reproduced below:

"25. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

d. Operation and Maintenance Expenses:

iv. *The normative values of operation and maintenance expenses including insurance, for the existing hydro generating stations, shall be as approved by the Commission in the tariff order based on the expenses approved in the previous control period, escalated at the rate of 4.47% per annum or any other factor as considered appropriate by the Commission."*

149. Accordingly, the O&M Expenses of Rs. 4.57 Crore claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below:

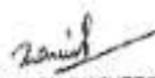
| Item Expense                | 2024-25               | 2025-26               | 2026-27               | 2027-28               | 2028-29               |
|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Particular                  | Commissioner's office |
| O & M Expenses for the year | 0.00                  | 0.00                  | 0.00                  | 0.00                  | 0.00                  |

#### E. Interest on Working Capital

150. The petitioner in present petition has considered interest on working capital amounting to Rs.0.30 Crore for the control period 2024-29, wherein the rate of interest considered by the petitioner is the bank rate as on 1<sup>st</sup> April of each of the financial year during the tariff period 2024-29, instead of the bank rate as on 01-04-2024. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

"25. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

  
(MANISH DWIVEDI)  
Supervising Engineer-PE  
PPG, UPERC

## e. Interest on Working Capital:

(ii) Rate of interest on working capital shall be on normative basis and shall be considered as the Bank Rate as on 01.04.2024 or as on 1<sup>st</sup> April of the year during the tariff period 2024-29 in which the generating station or a Unit thereof is declared under commercial operation, whichever is later;

Provided that in case of tripping-up, the rate of interest on working capital shall be considered as bank rate as on 1<sup>st</sup> April of each of the financial year during the tariff period 2024-29"

151. As per the above, since it's being MYT petition the rate of interest should be considered as the Bank Rate as on 01-04-2024, while the rates as considered by the petitioner will be applicable while Tripping-up. Accordingly, the rate of interest at 12.15% has been considered for the computation.

152. Further, UPPCL requests the Hon'ble Commission that interest of working capital may be allowed to Rs. 0.28 Crore against Rs. 0.30 Crore as claimed by the petitioner. The Summary of the claimed and allowable interest on working capital is calculated below-

| Interest on WC                                    | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|---|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| O & T Expenses<br>Bills etc. pay                  | 6.44    | 6.84      | 6.87    | 6.47      | 6.91    | 7.91      | 6.77    | 6.91      | 1.09    | 1.30      |
| OSM Expenses<br>P/L costs                         | 6.07    | 6.07      | 6.37    | 6.67      | 6.08    | 6.68      | 6.68    | 6.08      | 6.08    | 6.38      |
| Insurance<br>Expense @15% of<br>Total             | 0.73    | 0.73      | 0.73    | 0.73      | 0.74    | 0.74      | 0.74    | 0.74      | 0.75    | 0.75      |
| Interest on<br>Debt                               | 0.22    | 0.24      | 0.21    | 0.24      | 0.20    | 0.24      | 0.23    | 0.26      | 0.15    | 0.24      |
| Total Working<br>Capital                          | 6.67    | 6.66      | 6.57    | 6.67      | 6.51    | 6.66      | 6.41    | 6.64      | 6.47    | 6.48      |
| Rate of Interest<br>Allowed on<br>Working Capital | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    |
|   | 0.86    | 0.87      | 0.86    | 0.87      | 0.86    | 0.86      | 0.81    | 0.86      | 0.81    | 0.86      |

  
(MANISH DWIVEDI)  
Supervising Engineer-RE  
PPA UPPCL

|                             |        |        |        |        |        |        |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Working Capital       | 0.52   | 0.44   | 0.52   | 0.45   | 0.52   | 0.44   | 0.41   | 0.44   | 0.47   | 0.44   |
| Rate of Interest            | 12.15% | 12.15% | 12.50% | 12.15% | 12.50% | 12.15% | 12.50% | 12.15% | 12.50% | 12.15% |
| Interest on Working Capital | 0.06   | 0.05   | 0.06   | 0.05   | 0.06   | 0.04   | 0.05   | 0.06   | 0.05   | 0.06   |

### C. Statutory Fees, Cess, Duties and Taxes

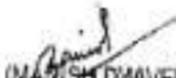
153. The petitioner has stated that it intends to recover the tariff filing fee paid to the Hon'ble Commission as a separate pass-through, similar to previous years. However, such recovery may not be by the Hon'ble Commission, as the Tariff Regulations do not provide for the allowance of this expenditure.

### H. Annual Fixed Charges

154. The Petitioner, in its current petition, has projected Annual Fixed Charges amounting to Rs.10.70 Crore for the control period 2024-29.

155. Based on the aforesaid argument, the allowable Annual Fixed Charges is amounting to Rs. 9.85 Crore against Rs. 10.70 Crore claimed by the petitioner.

| Annual Fixed Charges | 2024-25 |           | 2025-26 |           | 2026-27 |           | 2027-28 |           | 2028-29 |           |
|----------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                      | Claimed | Allowable |
| Depreciation         | 1.01    | 0.33      | 1.39    | 0.51      | 1.01    | 0.25      | 0.12    | 0.22      | 0.12    | 0.11      |
| Interest on Loan     | 0.71    | 0.35      | 0.58    | 0.51      | 0.44    | 0.07      | 0.34    | 0.63      | 0.17    | 0.10      |
| Interest on Equity   | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |

  
 (MANISH D'WIVEDI)  
 Superintendent Engineer -RE  
 PRA, LPPCL

### I. Calculation of Tariff

156. Further, it is submitted that the Hon'ble Commission may allow the Levelized Tariff of Rs. 2.17/kWh as assessed below:

| Particulars                 | Unit    | 2014-25 | 2025-26 | 2035-37 | 2047-58 | 2078-89 |
|-----------------------------|---------|---------|---------|---------|---------|---------|
| Installed Capacity          | MW      | 3.08    | 3.08    | 3.08    | 3.08    | 3.08    |
| Genus Generation            | MWh     | 7.28    | 5.32    | 7.04    | 7.91    | 9.88    |
| Aux. Consumption            | %       | 1.00%   | 1.00%   | 1.00%   | 1.00%   | 1.00%   |
| Net Generation              | MWh     | 7.01    | 7.01    | 7.71    | 7.85    | 7.81    |
| Depreciation                | Rs./Cr. | 0.23    | 0.23    | 0.33    | 0.33    | 0.33    |
| Interest on Loan            | Rs./Cr. | 0.72    | 0.71    | 0.07    | 0.63    | 0.59    |
| Tax on Equity               | Rs./Cr. | -       | -       | -       | -       | -       |
| Interest on Working Capital | Rs./Cr. | 0.08    | 0.08    | 0.20    | 0.26    | 0.46    |
| O & M Expenses              | Rs./Cr. | 0.64    | 0.67    | 0.81    | 0.95    | 1.07    |
| Total                       | Rs./Cr. | 1.67    | 1.67    | 1.37    | 1.97    | 2.97    |
| Per Unit                    |         |         |         |         |         |         |
| Depreciation                | Rs./kWh | 0.42    | 0.42    | 0.42    | 0.42    | 0.42    |
| Interest on Loan            | Rs./kWh | 0.26    | 0.24    | 0.02    | 0.20    | 0.19    |
| Tax on Equity               | Rs./kWh | -       | -       | -       | -       | -       |
| Interest on Working Capital | Rs./kWh | 0.02    | 0.02    | 0.02    | 0.03    | 0.04    |
| O & M Expenses              | Rs./kWh | 1.07    | 1.12    | 1.17    | 1.23    | 1.28    |
| Total                       | Rs./kWh | 1.75    | 1.80    | 1.61    | 1.88    | 2.03    |
| Debt-to-Equity Ratio        | %       | 74.2%   |         |         |         |         |
| Debt-to-Equity Ratio        |         | 1.00    | 0.92    | 0.84    | 0.77    | 0.70    |
| Levelized Tariff            | Rs./kWh | 2.17    |         |         |         |         |

### BABAIL HPS

157. UPFCL submits its observations and comments specifically in respect of the Babail HPS, as detailed below. It is respectfully stated that the assessment of the operational parameters, unit capacities, and associated technical particulars of the Babail HPS has been undertaken based on the information

  
 (MANISH DHYVEDI)  
 Superintending Engineer-RE  
 FPA, UPFCL

furnished by the generating entity as well as the records available with UPPCL.

#### A. Gross Fixed Assets

158. The opening capital cost considered by petitioner is in line with the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UFERC and no further additional capitalization has been claimed by the petitioner in the instant petition, as Annexed herewith as Annexure-6.

159. In view of the above, the Hon'ble Commission may allow the GFA as claimed by the petitioner in the instant petition as shown below:

| Capital Cost                 | 2019-20 |           | 2020-21 |           | 2021-22 |           | 2022-23 |           | 2023-24 |           |
|------------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| Regulation<br>Capital Cost   | 24.21   | 24.21     | 24.21   | 24.21     | 24.21   | 24.21     | 24.21   | 24.21     | 24.21   | 24.21     |
| Interest                     | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Change<br>Regulation<br>Cost | 18.21   | 18.21     | 18.21   | 18.21     | 18.21   | 18.21     | 18.21   | 18.21     | 18.21   | 18.21     |
| Regulation<br>Cost           | 24.21   | 24.21     | 24.21   | 24.21     | 24.21   | 24.21     | 24.21   | 24.21     | 24.21   | 24.21     |

#### B. Depreciation

160. The petitioner has worked out the depreciation in accordance with the Regulation 25(3)(c) of Tariff Regulations, 2024. Subsequently, the opening capital cost considered for calculation of depreciation for FY 2024-25 is considered as per closing capital cost for FY 2023-24 of MYT for the period FY 2019-20 to FY 2023-24 approved by UFERC.

  
(MANISH DWIVEDI)  
Superintending Engineer-SE  
PWA, UPPCL

161. Accordingly, Depreciation of Rs. 2.32 Crore claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below:

| Description                                  | 2019-20 |         | 2020-21 |         | 2021-22 |         | 2022-23 |         | 2023-24 |         |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|  | Allowed | Allowed | Allowed | Allowed | Allowed | Allowed | Allowed | Allowed | Allowed | Allowed |
| Opening Depreciation Balance                 | 25.07   | 24.8    | 24.71   | 24.39   | 24.11   | 23.77   | 23.41   | 23.01   | 22.57   | 22.12   |
| Charge                                       | 26.77   | 26.11   | 25.71   | 25.28   | 24.71   | 24.21   | 23.61   | 23.01   | 22.41   | 21.79   |
| Charge Capital Cost                          | 25.71   | 24.11   | 24.21   | 23.25   | 22.21   | 21.21   | 20.21   | 19.21   | 18.21   | 17.21   |
| Rate of Depreciation                         | 17.96%  | 17.96%  | 17.96%  | 17.96%  | 17.96%  | 17.96%  | 17.96%  | 17.96%  | 17.96%  | 17.96%  |
| Charge Add-on                                | 22.54   | 22.75   | 22.78   | 22.78   | 22.72   | 22.72   | 22.72   | 22.72   | 22.72   | 22.72   |
| Balance carried over to the following period | 11      | 11      | 11      | 11      | 11      | 11      | 11      | 11      | 11      | 11      |
| Estimated Depreciation                       | 1.9     | 1.8     | 1.71    | 1.61    | 1.51    | 1.41    | 1.31    | 1.21    | 1.11    | 1.01    |
| Depreciation for the period                  | 1.48    | 1.48    | 1.48    | 1.41    | 1.41    | 1.41    | 1.41    | 1.41    | 1.41    | 1.41    |
| Depreciation (Total)                         | 1.48    | 1.48    | 1.41    | 1.41    | 1.41    | 1.41    | 1.41    | 1.41    | 1.41    | 1.41    |
| Carrying over Depreciation                   | 11.57   | 11.47   | 11.14   | 10.98   | 10.69   | 10.40   | 10.17   | 9.97    | 9.77    | 9.57    |

### C. Interest on Loans

162. The petitioner in current petition has considered NIL opening balance for FY 2024-25, while the closing balance of MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC is Rs. 4.41 Crore. However, NIL opening balance has been considered for FY 2024-25.

163. Further, the rate of interest considered by the petitioner is 12.25% which is provided in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC. However, as per Regulation 25(3)(b)(iii) of the UPERC Tariff Regulations, 2024, the rate of interest shall be the weighted average rate of interest computed on the basis of actual loans. The relevant extract of the UPERC Regulations, 2024 is reproduced below:

"25. Capacity (Fixed) Charges:

(MANISH DWIVEDI)  
Superintending Engineer-RE  
PER JPPCL

## (3) Components of Fixed Charges:

## b. Interest on Loan Capital:

(iv) The rate of interest shall be the weighted average rate of interest calculated on the basis of actual loans at the beginning of each financial year and shall be adjusted based on actual loan portfolio each financial year accordingly."

164. In view of the above, UPPCL requests the Hon'ble Commission to direct the petitioner to furnish the details of actual loans and interest, as per the aforementioned regulation, for each financial year in line with the audited books of accounts for further prudence check.

165. However, in absence of the above required supporting document, the Weighted average rate of interest has been considered same as considered by the petitioner.

166. In light of the above, the Interest on Loan of Rs. 4.41 claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2004 and same may be allowed by the Hon'ble Commission as below -

| Interest<br>Loan         | 2011-12 |           | 2012-13 |           | 2013-14 |           | 2014-15 |           | 2015-16 |           |
|--------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                          | Current | Alternate | Current | Alternate | Current | Alternate | Current | Alternate | Current | Alternate |
| Pre-Closing<br>Interest  | 2.27    | 2.27      | 2.21    | 2.21      | 2.41    | 2.41      | 4.18    | 4.18      | 4.21    | 4.21      |
| Expenses                 | 0.00    | 0.00      | 0.00    | 0.00      | 0.00    | 0.00      | 0.00    | 0.00      | 0.00    | 0.00      |
| Net-Closing              | 2.27    | 2.27      | 2.21    | 2.21      | 2.41    | 2.41      | 4.18    | 4.18      | 4.21    | 4.21      |
| Average Loan             | 8.55    | 8.55      | 7.02    | 7.02      | 7.51    | 7.51      | 8.74    | 8.74      | 8.74    | 8.74      |
| Weighted<br>Average Rate | 12.29%  | 12.29%    | 13.10%  | 13.10%    | 13.20%  | 13.20%    | 12.31%  | 12.31%    | 12.29%  | 12.29%    |
| Interest<br>Loan         | 1.88    | 1.88      | 1.56    | 1.56      | 1.82    | 1.82      | 4.83    | 4.83      | 4.71    | 4.71      |

## D. Return on Equity

(MANISH DWIVEDI)  
Supervising Engineer  
DPA, UPPCL

167. The petitioner in current petition, has projected return on equity amounting to Rs. NIL, for the control period 2024-29. Further, for computation of Return on Equity, the petitioner has considered opening balance in line with the closing balance approved in MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC.

168. In light of the above, the Return on Equity of Rs. NIL claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below:-

| Return on Equity Parameters | 2019-20 |           | 2020-21 |           | 2021-22 |           | 2022-23 |           | 2023-24 |           |
|-----------------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                             | Claimed | Allowable |
| Opening Equity              | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Adjusted Dividend           | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Closing Equity              | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Average Equity              | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |
| Rate of Return              | 0.00%   | 0.00%     | 0.00%   | 0.00%     | 0.00%   | 0.00%     | 0.00%   | 0.00%     | 0.00%   | 0.00%     |
| Return on Equity            | -       | -         | -       | -         | -       | -         | -       | -         | -       | -         |

#### E. Operating & Maintenance Expenses

169. The petitioner for computation of Operation & Maintenance (O&M) Expenses has considered O&M Expenses for FY 2023-24 in line with the MYT for the period FY 2019-20 to FY 2023-24 approved by UPERC, while has further escalated at 4.47% on annual basis as per the Regulation 25(3)(d)(v) of the UPERC Tariff Regulations, 2024 as reproduced below:

"25. Capacity (Fixed) Charges:

(3) Components of Fixed Charges:

  
 (MANISH DWIVEDI)  
 Superintending Engineer-PE  
 PPA-19901

**d. Operation and Maintenance Expenses:**

- (iv) *The normative values of operation and maintenance expenses including insurance, for the existing hydro generating stations, shall be as approved by the Commission in the tariff order based on the expenses approved in the previous control period, escalated at the rate of 4.47% per annum or any other factor as considered appropriate by the Commission.*

170. Accordingly, the O&M Expenses of Rs. 6.17 Crore claimed by the petitioner is found to be in accordance with the UPERC Tariff Regulations, 2024 and same may be allowed by the Hon'ble Commission as below:

| O&M Expenses               | 2024-25         | 2025-26          | 2026-27          | 2027-28          | 2028-29          |
|----------------------------|-----------------|------------------|------------------|------------------|------------------|
| Intention                  | Commission rate | Capital/Variable | Capital/Variable | Capital/Variable | Capital/Variable |
| O & M expense for the year | 1.0             | 1.15             | 1.2              | 1.25             | 1.3              |

**F. Interest on Working Capital**

171. The petitioner in present petition has considered interest on working capital amounting to Rs.0.38 Crore for the control period 2024-29, wherein the rate of interest considered by the petitioner is the bank rate as on 1<sup>st</sup> April of each of the financial year during the tariff period 2024-29, instead of the bank rate as on 01-04-2024. The relevant abstract of the UPERC Regulations, 2024 is reproduced below:

*75. Capacity (Fixed) Charges:*

*(3) Components of Fixed Charges:*

*e. Interest on Working Capital:*

*(ii) Rate of interest on working capital shall be on normative basis and shall be considered as the Bank Rate as on 01.04.2024 or as on 1<sup>st</sup> April of the year during the tariff period 2024-29 in which the*

  
(MANISH DWIVEDI)  
Supervising Engineer-JR  
RRA, UPPL

generating station or a Unit thereof is declared under commercial operation, whichever is later.

Provided that in case of tripping, the rate of interest on working capital shall be considered as bank rate as on 1<sup>st</sup> April of each of the financial year during the tripping period 2024-29."

172. As per the above, since it's being MYT petition the rate of interest should be considered as the Bank Rate as on 01-04-2024, while the rates as considered by the petitioner will be applicable while True-up. Accordingly, the rate of interest at 12.15% has been considered for the computation.

173. Further, UPPCL requests the Hon'ble Commission that interest of working capital may be allowed to Rs. 0.37 Crore against Rs. 0.38 Crore as claimed by the petitioner. The Summary of the claimed and allowable interest on working capital is calculated below-

| Interest on WC                         | 2019-20 |           | 2020-21 |           | 2021-22 |           | 2022-23 |           | 2023-24 |           |
|--|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable |
| U & M expenses for the year            | 1.12    | 0.17      | 1.50    | 1.50      | 1.23    | 1.23      | 1.29    | 1.29      | 1.30    | 1.34      |
| GAH Expenses for 1 month               | 0.00    | 0.00      | 0.12    | 0.14      | 0.26    | 0.10      | 0.12    | 0.11      | 0.11    | 0.11      |
| Maintenance Reserve (0.15% of Capital) | 0.17    | 0.17      | 0.24    | 0.18      | 0.18    | 0.18      | 0.19    | 0.19      | 0.23    | 0.23      |
| Accruals (10 days)                     | 0.21    | 0.21      | 0.31    | 0.33      | 0.33    | 0.33      | 0.33    | 0.33      | 0.33    | 0.33      |
| Total Working Capital                  | 0.50    | 0.55      | 0.28    | 0.36      | 0.60    | 0.64      | 0.63    | 0.62      | 0.64    | 0.64      |
| Bank Rate Allowed on Working Capital   | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    | 12.15%  | 12.15%    |
|  | 0.07    | 0.07      | 0.08    | 0.07      | 0.08    | 0.07      | 0.08    | 0.08      | 0.08    | 0.08      |

### G. Statutory Fees, Cess, Duties and Taxes

  
 (MANISH DWIVEDI)  
 Supervising Engineer  
 PWS, UPPCL

### G. Statutory Fees, Cess, Duties and Taxes

174. The petitioner has stated that it intends to recover the tariff filing fee paid to the Hon'ble Commission as a separate pass-through, similar to previous years. However, such recovery may not be permissible by the Hon'ble Commission, as the Tariff Regulations do not provide for the allowance of this expenditure.

### H. Annual Fixed Charges

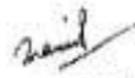
175. The Petitioner, in its current petition, has projected Annual Fixed Charges amounting to Rs. 13.29 Crore for the control period 2024-29.

176. Based on the aforesaid argument, the allowable Annual Fixed Charges is amounting to **Rs. 13.28 Crore against Rs. 13.29 Crore** claimed by the petitioner.

| Annual Fixed Charges Particulars | 2024-25     |             | 2025-26     |             | 2026-27     |             | 2027-28     |             | 2028-29     |             |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                                  | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable | Claimed | Allowable   |
| Depreciation                     | 0.40        | 0.40        | 0.46        | 0.46        | 0.55        | 0.45        | 0.40        | 0.40        | 0.46        | 0.46        |
| Interest on Loan                 | 1.00        | 1.00        | 0.94        | 0.94        | 0.88        | 0.88        | 0.83        | 0.83        | 0.77        | 0.77        |
| Interest on Working Capital      | 0.07        | 0.07        | 0.08        | 0.07        | 0.08        | 0.07        | 0.08        | 0.08        | 0.08        | 0.08        |
| O&M Expenses                     | 1.13        | 1.13        | 1.18        | 1.18        | 1.23        | 1.23        | 1.29        | 1.29        | 1.34        | 1.34        |
| <b>Total</b>                     | <b>2.60</b> | <b>2.60</b> | <b>2.66</b> | <b>2.64</b> | <b>2.74</b> | <b>2.63</b> | <b>2.60</b> | <b>2.65</b> | <b>2.66</b> | <b>2.64</b> |

### I. Calculation of Tariff

177. Accordingly, it is submitted that the Hon'ble Commission may allow the

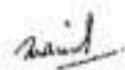
  
 (MANISH DWIVEDI)  
 Superintending Engineer-RE

| Particulars                 | Unit    | 2014-25 | 2015-26 | 2016-27 | 2017-28 | 2018-29 |
|-----------------------------|---------|---------|---------|---------|---------|---------|
| Installed Capacity          | MW      | 100     | 100     | 100     | 100     | 100     |
| Plant Generation            | MU      | 7.81    | 7.81    | 7.81    | 7.81    | 7.81    |
| PLG Generation              | %       | 1.02%   | 1.02%   | 1.02%   | 1.02%   | 1.02%   |
| Net Generation              | MU      | 7.81    | 7.81    | 7.81    | 7.81    | 7.81    |
| Depreciation                | Rx. Cr. | 0.46    | 0.46    | 0.46    | 0.46    | 0.46    |
| Interest on Loan            | Rx. Cr. | 1.00    | 0.94    | 0.88    | 0.83    | 0.77    |
| Return on Equity            | Rx. Cr. | -       | -       | -       | -       | -       |
| Interest on Working Capital | Rx. Cr. | 0.07    | 0.07    | 0.07    | 0.08    | 0.08    |
| O & M Expenses              | Rx. Cr. | 1.13    | 1.11    | 1.09    | 1.09    | 1.08    |
| Total                       | Rx. Cr. | 2.66    | 2.64    | 2.63    | 2.65    | 2.66    |
| Per Unit                    |         |         |         |         |         |         |
| Depreciation                | Rx./MW  | 0.00    | 0.00    | 0.00    | 0.52    | 0.80    |
| Interest on Loan            | Rx./MW  | 1.28    | 1.28    | 1.15    | 1.05    | 0.76    |
| Return on Equity            | Rx./MW  | -       | -       | -       | -       | -       |
| Interest on Working Capital | Rx./MW  | 0.09    | 0.09    | 0.09    | 0.10    | 0.10    |
| O & M Expenses              | Rx./MW  | 1.45    | 1.31    | 1.29    | 1.08    | 1.07    |
| Total                       | Rx./MW  | 3.40    | 3.40    | 3.49    | 3.59    | 3.43    |
|                             |         | 1.00    | 1.00    | 1.00    | 1.00    | 1.00    |
| Discount Rate               | %       | 8.75%   |         |         |         |         |
| Discount Factor             |         | 1.00    | 0.91    | 0.77    | 0.70    |         |
|                             |         | 1.41    | 1.32    | 2.81    | 2.61    | 2.40    |
| Levelized Tariff            | Rx./MW  | 1.00    |         |         |         |         |

### SHEETLA HPS

178. UPCL, submits its observations and comments specifically in respect of the Sheetla HPS, as detailed below. It is respectfully stated that the assessment of the operational parameters, unit capacities, and associated technical particulars of the Sheetla HPS has been undertaken based on the information furnished by the generating entity as well as the records available with UPCL.

#### A. Statutory Fees, Cess, Duties and Taxes:

  
 (MANISH DWIVEDI)  
 Subordinating Engineer-EE  
 01/11/2017

179. The petitioner has stated that it intends to recover the tariff filing fee paid to the Hon'ble Commission as a separate pass-through, similar to previous years. However, such recovery may not be permissible by the Hon'ble Commission, as the Tariff Regulations do not provide for the allowance of this expenditure.

#### B. Tariff

180. Further, the petitioner in the instant petition has submitted that the Sheetha project was put on commercial lead in FY 2006-07 and is a small hydro plant-old project as per the provision contained in Draft UPERC (Captive and Renewable Energy Generating Plants) Regulation, 2024 and further has stated that the effective tariff shall be decided and revised submission shall be made upon notification of the final UPERC (Captive and Renewable Energy Generating Plants) Regulation, 2024. The Tariff (in Rs./kWh) provided in the petition on the basis of the Draft UPERC (Captive and Renewable Energy Generating Plants) Regulation, 2024 is as below:

| Year of Commerciality | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 |
|-----------------------|---------|---------|---------|---------|---------|
| Petitioner            | 1.71    | 1.75    | 1.80    | 1.85    | 1.91    |

181. Further, the Final UPERC (Captive and Renewable Energy Generating Plants) Regulation, 2024 has been issued on 17-10-2025 and the Tariff (in Rs./kWh) notified for the Small Hydro based Generating Plants is same as was proposed in Draft. The relevant abstract of the Regulation is as below:

  
 (MANISH DWIVEDI)  
 Registering Engineer  
 PPA, UPPCL



U.P.P.C.L. Form No. 100/1000-1000

U.P.P.C.L. Form No. 100/1000-1000

U.P.P.C.L. Form No. 100/1000-1000

|         |             |        |
|---------|-------------|--------|
| Sl. No. | Particulars | Amount |
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182. It is submitted that the Tariff Filing Formats for Obra, Khara, Rihand, Matatila, Upper Ganga Canal, Belka, Bahai HPSs are attached herewith, marked as Annexure - 12, 13, 14, 15, 16, 17, 18 respectively.
183. In view of the above, it is submitted that the Hon'ble Commission may allow the tariff as above when claimed by the petitioner in the later submission as stated in the instant petition.
184. UPPCL reserves the right to file additional submissions/ affidavits/ documents in order to assist the Hon'ble Commission for adjudication of the instant petition.
185. The instant submissions have been made bona fide and in the interest of justice.

*Manish Dwivedi*  
 MANISH DWIVEDI  
 Superintending Engineer-RE  
 U.P.P.C.L.

Uttar Pradesh Power Corporation Limited  
 (Through Authorised Representative)

Through

*Divyanshu Bhatt*

Law Offices of Divyanshu Bhatt  
 Ground Floor, C-1058, Sector-B,  
 Mahanagar, Lucknow - 226006

Date: 19.12.2018

Place: Lucknow



BEFORE THE HON'BLE UTTAR PRADESH ELECTRICITY  
REGULATORY COMMISSION, LUCKNOW  
PETITION NO. 2244 OF 2025

IN THE MATTER OF:

U. P. RAJYA VIDYUT UTPADAN NIGAM  
LIMITED (UPRVUNL)



... PETITIONER

VERSUS

UTTAR PRADESH POWER CORPORATION  
LIMITED (UPPCL) & ORS.

... RESPONDENTS

AFFIDAVIT ON BEHALF OF UPPCL IN SUPPORT OF THE REPLY

I, Manish Dwivedi, S/o Late Sh. P.N. Dwivedi, aged about 50 years, working as Superintending Engineer (PPA) with the Respondent No. 1, Uttar Pradesh Power Corporation Limited, having his office address at 14th Floor, Shakti Bhawan, Ashok Marg, Lucknow, Uttar Pradesh - 226001, am the deponent hereby annexing my ID-proof and do hereby solemnly affirm and state on oath as under:

1. I say that I am the authorised signatory of the Respondent No. 1 in the captioned matter.
2. I say that I have read and understood the contents of the instant Reply and the same have been drafted under my instructions.
3. I say that the contents of the Reply are based on the records and information available in the public domain, the records maintained by the Respondent No. 1, and the legal advice available to the Respondent No. 1, and as such, are believed by me to be true.



*Manish Dwivedi*  
(DEPONENT)

VERIFICATION

I, the above-named deponent, do hereby verify that the contents of above affidavit are true to my knowledge. No part of the same is false and nothing material has been concealed there from.

Verified on this the 14 day of January 2020, Lucknow.

*[Signature]*  
 DEPONENT  
*[Signature]*

I identify the deponent on the basis of records which the deponent produced before me and who has signed this affidavit after understanding its contents.

*[Signature]*  
 DIVYANSHU BHATT  
 ADVOCATE  
 (UP/4506/2020)

C. Solemnly affirmed before me on 14/1/2020 at S. No. 20/2020 by D. Bhatt the deponent who is identified by Sri D. Bhatt Advocate.

I have satisfied myself by examining the deponent that he understands the contents of this affidavit which have been read out and explained by me.



Done and verified  
*[Signature]*  
 Notary Public  
 Lucknow

L.D. PROOF

मेरी पहचान  
 Government of India

मेरी ID  
 Manish Dwivedi  
 पता (PIN) : 400 000 (INDIA)  
 0985 6126 6998

8855 6126 6998

मेरी पहचान



भारतीय विधिक प्रमाण प्रणाली  
 Indian Legal Evidence Authority of India

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8855 6126 6998



भारतीय विधिक प्रमाण प्रणाली  
 Indian Legal Evidence Authority of India



*Manish Dwivedi*  
 (MANISH DWIVEDI)  
 Superintending Engineer (SE)  
 PWA, UPCL

ANNEXURE - 1

82

**Annexure-A**  
**Uttar Pradesh Electricity Reform**  
**(Amalgamation and Merger of State Generating**  
**Companies) Scheme, 2023**

*Manish*  
Tabbing  
10/05/2023

392

*Manish*  
**(MANISH DWIVEDI)**  
Supervising Engineer  
EPR, UPFC













सर्वोच्च न्यायालय, दिल्ली, भारत

1. (1) यदि कोई व्यक्ति या संस्था किसी भी प्रकार के कार्य में सहायता देती है, तो उसे इस अधिनियम के अंतर्गत कार्य करने के लिए अधिकृत किया जाएगा।
2. (1) यदि कोई व्यक्ति या संस्था किसी भी प्रकार के कार्य में सहायता देती है, तो उसे इस अधिनियम के अंतर्गत कार्य करने के लिए अधिकृत किया जाएगा।
3. (1) यदि कोई व्यक्ति या संस्था किसी भी प्रकार के कार्य में सहायता देती है, तो उसे इस अधिनियम के अंतर्गत कार्य करने के लिए अधिकृत किया जाएगा।
4. (1) यदि कोई व्यक्ति या संस्था किसी भी प्रकार के कार्य में सहायता देती है, तो उसे इस अधिनियम के अंतर्गत कार्य करने के लिए अधिकृत किया जाएगा।
5. (1) यदि कोई व्यक्ति या संस्था किसी भी प्रकार के कार्य में सहायता देती है, तो उसे इस अधिनियम के अंतर्गत कार्य करने के लिए अधिकृत किया जाएगा।

सर्वोच्च न्यायालय  
दिल्ली, भारत

*(Handwritten Signature)*  
Date: 15/11/2023  
Page No: 10/10

*(Handwritten Signature)*  
(MANISH DWIVEDI)  
Superintending Engineer-R2  
PFA, UPPCL



14

JOB 2025 000007 042 3 1496 2023

In pursuance of the provisions of clause (1) of Article 208 of the Constitution, the Governor is pleased to order the publication of the following English versions of Assam Rules No. 2025(2)-PQ-2023-2024/2023 dated January 5, 2023:

No. 2025(2)-PQ-2023-2024/2023

Dated January 5, 2023

In pursuance of the power conferred by sub-section (1), (2), (3) of Section 21, Section 130 and sub-section (1) of Section 208, Part 36 of 2023 and with sub-section (1) of Section 130 of 2023 of the Uttar Pradesh Employees (Regulation of Work) Act, 1947 and Part 36 of 1999, the Governor hereby orders by issuing Orders for regulation of work and working by stop of employees and except of the Government and employees working in establishments of Uttar Pradesh State Water Supply Project Limited (UPSWPL) and Employees Uttar Pradesh State Water Supply Project Limited (UPSWPEL) and UP State Water Supply Project Limited (UPSWPL) and UP State Water Supply Project Limited (UPSWPEL) and for matters connected therewith and anything that may be necessary for the purpose and subject thereto in pursuance of issuing a resolution shall be made.

**THE UTTAR PRADESH EMPLOYEES (REGULATION OF WORK) ACT, 1947 AND UTTAR PRADESH STATE WATER SUPPLY PROJECT LIMITED (UPSWPL) AND EMPLOYEES UTTAR PRADESH STATE WATER SUPPLY PROJECT LIMITED (UPSWPEL) REGULATIONS, 2023**

1. (1) These Rules shall be called as Uttar Pradesh Employees (Regulation of Work) Act, 1947 and Uttar Pradesh State Water Supply Project Limited (UPSWPL) and Employees Uttar Pradesh State Water Supply Project Limited (UPSWPEL) Regulations, 2023.

(2) The orders in the nature of the issue of these Rules, and shall also apply to the employees of the establishments, agents, contractors, sub-contractors, persons and persons of Uttar Pradesh State Water Supply Project Limited, Uttar Pradesh State Water Supply Project Limited and UP State Water Supply Project Limited mentioned therein and anything that may be necessary for the purpose and subject thereto in pursuance of issuing a resolution shall be made.

(3) It shall apply from the date of the issue of the notification in the Official Gazette.

(4) It shall apply from the date of the issue of the notification in the Official Gazette.

(5) It shall apply from the date of the issue of the notification in the Official Gazette.

(6) It shall apply from the date of the issue of the notification in the Official Gazette.

(7) It shall apply from the date of the issue of the notification in the Official Gazette.

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(12) It shall apply from the date of the issue of the notification in the Official Gazette.

(13) It shall apply from the date of the issue of the notification in the Official Gazette.

(14) It shall apply from the date of the issue of the notification in the Official Gazette.

(15) It shall apply from the date of the issue of the notification in the Official Gazette.

(16) It shall apply from the date of the issue of the notification in the Official Gazette.

(17) It shall apply from the date of the issue of the notification in the Official Gazette.

(18) It shall apply from the date of the issue of the notification in the Official Gazette.

(19) It shall apply from the date of the issue of the notification in the Official Gazette.

(20) It shall apply from the date of the issue of the notification in the Official Gazette.

402

*Manish*  
 (MANISH DWIVEDI)  
 Superintending Engineer-RE  
 PWA, IPRCL



1975-1976 AGREEMENT, DATED 13 APRIL 1975

(7) The two employees herein, herein, shall be not coming of the financial and  
 advantage of the Employer (hereinafter referred to as the Employer) to be observed.

(8) The Employer shall be not coming of the financial and  
 advantage of the Employer (hereinafter referred to as the Employer) to be observed.

(9) The Employer shall be not coming of the financial and  
 advantage of the Employer (hereinafter referred to as the Employer) to be observed.

(10) The Employer shall be not coming of the financial and  
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(11) The Employer shall be not coming of the financial and  
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(14) The Employer shall be not coming of the financial and  
 advantage of the Employer (hereinafter referred to as the Employer) to be observed.

(15) The Employer shall be not coming of the financial and  
 advantage of the Employer (hereinafter referred to as the Employer) to be observed.

(16) The Employer shall be not coming of the financial and  
 advantage of the Employer (hereinafter referred to as the Employer) to be observed.

1975-1976 AGREEMENT, DATED 13 APRIL 1975

407

*Manish*  
 (MANISH DWIVEDI)  
 Sub-Heading Engineer-III  
 PWA, UPCL

to all persons, parties, agents, arbitrators, lawyers including but not limited to those relating to arbitrations, disputes, claims, suits, rights, privileges, powers, benefits of every kind and the acquisition of arbitrations award. It shall be UPVCL and Andhra Pradesh VLE, or in which UPVCL and Andhra Pradesh VLE, is party or in the benefit of which UPVCL and Andhra Pradesh VLE has the right of all its interests to fully and lawfully and, interest of UPVCL and Andhra Pradesh VLE, the Standing Equity has been a party or interested in arbitrations.

(2) Any security, benefit, reimbursement, charges, interest, commission, premium or expense or amounts required to carry on operations of UPVCL and Andhra Pradesh VLE, or granted to UPVCL and Andhra Pradesh VLE, including but not limited to loans, advances, bills, Tax, Service Tax, GST, Professional Tax, Customs, Excise, registration shall also stand as contribution to the Standing Equity without further or other thing, with and upon the expiry of term, maturity, withdrawal, discharge or otherwise.

(3) The benefit of all contracts and regulatory permissions, approvals or consents obtained or made on the operations of UPVCL and Andhra Pradesh VLE, shall not be and remain and due to the Standing Equity pursuant to this clause.

(4) All work, claims, interests and proceedings of arbitrations entered by or against UPVCL and Andhra Pradesh VLE, pending and/or to be entered on or before the date of the Standing Equity shall stand as contribution to the Standing Equity. The rights to and/or claim to the arbitrations and the award shall be exercised and/or claimed by either against the Standing Equity or otherwise as if the party has been jointly owned thereby equal rights furnished by or against UPVCL and Andhra Pradesh VLE.

(5) The Standing Equity shall be entitled to the proceeds of any assignment to them made by the award and all of amounts paid by UPVCL and Andhra Pradesh VLE, under the arbitrations, disputes, suits, claims, service tax, GST or any other law, whether or not arising due to the arbitrations. The rights to and/or claim to the awards and the amounts arbitrations are awarded standing in favour of the Standing Equity shall also stand as contribution to the Standing Equity. All loans payable by UPVCL and Andhra Pradesh VLE, including, when any of the amounts shall be treated as the liability or indebtedness of the Standing Equity.

(6) After the Standing Equity is created and all such sums on the assets of the Standing Equity is received by the Standing Equity in favour of all the loans received by UPVCL and Andhra Pradesh VLE, or the relevant bank, financial institution, the Standing Equity shall be entitled to operate the bank accounts of UPVCL and Andhra Pradesh VLE.

(7) Upon the Standing Equity effect of the Standing Equity according to the provisions herein, the Standing Equity of the Standing Equity to the Standing Equity or Transfer and the Standing Equity shall be a part of Standing Equity shall stand as contribution to the Standing Equity of UPVCL and Andhra Pradesh VLE, and the Standing Equity shall be treated as if the Standing Equity is a party to the Standing Equity, by standing mandatorily approved to contribute to the provisions of the Companies Act, 2013.

4/10/12 10:20:12 AM

405

*Manish*  
 (MANISH DAWVEDI)  
 Superintending Engineer, DE  
 PPA, UPCL











भारत सरकार  
केन्द्रीय माध्यमिक शिक्षा बोर्ड  
ऑफिस ऑफ चिफ प्रोसेसिंग ऑफिस

विभाग पत्र सं. 17/1, डी.पी. 2, 28/1, अन्वय, गुडगाँव, दिल्ली-110002, भारत

केन्द्रीय माध्यमिक शिक्षा बोर्ड के चर्चा के लिए  
प्रकाशित सं. 21 ऑफ द गवर्नमेंट ऑफ इंडिया, नई दिल्ली

उपरोक्त संदर्भ में संख्या: 100/100/100/100/100/100

कृपया ध्यान दें कि यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है। यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है।

कृपया ध्यान दें कि यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है। यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है।

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कृपया ध्यान दें कि यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है। यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है।

श्रेणी: शून्य

कृपया ध्यान दें कि यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है। यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है।

केन्द्रीय प्रोसेसिंग ऑफिस

कृपया ध्यान दें कि यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है। यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है।

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कृपया ध्यान दें कि यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है। यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है।

कृपया ध्यान दें कि यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है। यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है।

4/10

कृपया ध्यान दें कि यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है। यह पत्र संख्या 100/100/100/100/100/100 के अंतर्गत प्रेषित है।

(MANISH DWIVEDI)  
Superintending Engineer-EE  
PWA, UPCL

Ministry Of Corporate Affairs

Date: 20-10-2014 11:07:19 AM

Company Information

|  |   |
|--|---|
| CIN  | U5114 UP 1999 0001 133  |
| Company Name   | UPLI BAHU YETU UPRADAN NGAM LIMITED   |
| BOI Name   | BOI, Kanpur   |
| Registration Number  | 80121   |
| Date of Incorporation                                      | 17-01-1999  |
| Capital  | 100000000   |
| Registered address   | 17711 LOCK, SHANTI BHAWAN EXTENSION II,<br>43/04 MARUL LIXER NOK, Udaipur, India,<br>226001 |
| Address at which the books of account are to be maintained | 12711 LOCK, VIKAS BHAVAN, STATION ROAD,<br>LIXER NOK, Udaipur, India, 226001                |
| Is it a Small Company (Y/N)                                | No  |
| Category of Company  | Company Formed by state   |
| Technology of the Company                                  | Non-government company  |
| Class of Company   | Public  |
| APTCR registration   | AC 09114 registration   |
| Authorized Capital (Rs)                                    | 1,00,00,00,000  |
| Paid up Capital (Rs)                                       | 4,25,11,14,000  |
| Date of last AGM   | 30/09/2013  |
| Date of Balance Sheet                                      | 31/03/2013  |
| Company Status   | Active  |

Authorisation

NOC (annual and other)

FOC (year)

4/1

(MANISH DWIVEDI)  
Systems and Engineering  
PFA, LPODC

ANNEXURE -2

101

Annexure-1

Ohra HPS Proposed Additional Capitalisation

*Manish Dwivedi*  
(Signature)  
20/08/2024 (Date)

412

*Manish Dwivedi*  
(Signature)  
(MANISH DWIVEDI)  
Superseding Engineer-RE  
PPA, UPCL



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Capital Markets of the Public Sector (C.M.P.S.) 2004-10

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Handwritten signatures and notes, including a date stamp: 15/08/2010 and a reference to page 103 of 100.

- Scanned with OREN Scanner
- Scanned with OREN Scanner

44

Handwritten signature: Manish  
 (MANISH DWIVEDY)  
 Digitizing the Eighth-RE  
 FBI, ERPC

| Sl. No. | Description of Work | Amount |
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| 1       | ...                 | 50.00  |
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**Detailed Statement of Work for the T.V. Repairing**

| Sl. No. | Description of Work | Amount |
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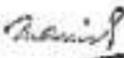
  
 Manish Dwivedi  
 Sr. Engineer  
 P.W.D. Deptt.  
 Lucknow

  
 Manish Dwivedi  
 Sr. Engineer  
 P.W.D. Deptt.  
 Lucknow

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② Scanned with OREN Scanner

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 (MANISH DWIVEDI)  
 Superintending Engineer  
 P.W.D. Deptt.



