

# **U.P. Jal Vidyut Nigam Limited.**



## **TENDER DOCUMENT FOR**

**NAME OF WORK** :- Boring of tubewell for continuous supply of cooling water upto 90mtr depth including supply of submersible pump, motor, starter capacity of 7.5 HP, lowering pipe, column pipe, bends, sockets, other material & T&P required for proper completion of work at Babail Power House.

**TENDER NOTICE NO.** :- T-10/HGD/2022-23

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

**कार्यालय अधिशासी अभियन्ता, जल विद्युत उत्पादन खण्ड**  
**उ०प्र० जल विद्युत निगम लि०, खारा-बादशाहीबाग, सहारनपुर उ०प्र०।**  
**पंजीकृत एवं कार्पोरेट कार्यालय:- 12वें तल शक्ति भवन विस्तार, 14 अशोक मार्ग, लखनऊ।**

पत्रांक.....

दिनांक:

निविदा सूचना

सरकारी विभागों/निगमों में कार्यरत, समान कार्य के अनुभवी ठेकेदारों/फर्मों से निम्नलिखित कार्य हेतु दिनांक 27.07.2022 तक अपरान्ह: 3:00 बजे तक वेबसाइट **e-tender.up.nic.in** पर **e-tendering** के माध्यम से निविदाये आमन्त्रित की जाती है। निविदा सम्बन्धी समस्त अभिलेख **e-tender.up.nic.in** की वेबसाइट पर दिनांक 28.06.2022 अपरान्ह: 03:00 बजे से दिनांक 27.07.2022 तक अपरान्ह: 03:00 बजे तक उपलब्ध रहेंगे, जहाँ पर ठेकेदारों द्वारा वेबसाइट पर ऑन लाईन अपनी निविदा दरें (मय टैक्निकल/फाइनेंशियल) डाली जायेगी। निविदा हेतु निर्धारित धरोहर धनराशि RTGS/NEFT के रूप में तथा निविदा मूल्य RTGS/NEFT के माध्यम से “अधिशासी अभियन्ता जल विद्युत उत्पादन खण्ड खारा-बादशाहीबाग, सहारनपुर के **(Punjab National Bank के खाता संख्या 1019001100000016 एवं IFSC-PUNB0101900)** में जमा कर साक्ष्य के रूप में यू०टी०आर० सं० की प्रति ई-टेंडर प्रपत्रों के साथ ई-टेंडर पोर्टल पर अपलोड करना अनिवार्य होगा। ऑन लाइन टैक्निकल बिड दिनांक 28.07.2022 को अपरान्ह 12:00 बजे खोली जायेगी। टैक्निकल बिड क्वालीफाई करने वाले ठेकेदारों की ही फाइनेंशियल बिड खोली जायेगी। निविदाओं को बिना किसी कारण बताये निरस्त करने का अधिकार अद्योहस्ताक्षरकर्ता के पास सुरक्षित रहेगा। निविदा से सम्बन्धित विवरण निम्नवत् है:-

क्रम सं०	निविदा संख्या	कार्य का नाम	आगणन की धनराशि (लाख रु० में)	धरोहर राशि (रु० में)	टेंडर का मूल्य (रु० में कर सहित)	कार्य अवधि
1.	T-10/ज०वि०उ०ख०/2022-23	Boring of tubewell upto 90 mtr depth including supply of submersible pump, motor, starter (7.5HP), Pipe, socket, bends etc. and T&P for proper completion of work at Babail P.H. (2x1.5 MW)	4.95	10000.00	590.00	30 दिन
2.	T-11/ज०वि०उ०ख०/2022-23	Daily Cleaning and Lawn/Garden up-keeping work alongwith Sanitization/Insecticide work of Khara Power House	5.49	11000.00	590.00	12 माह
3.	T-12/ज०वि०उ०ख०/2022-23	Computer related official work of Khara- Badshahibagh (Saharanpur)	2.48	5000.00	360.00	12 माह
4.	T-13/ज०वि०उ०ख०/2022-23	Running of canteen at Subsidized rate in KPH,	3.49	7000.00	590.00	12 माह

अधिशासी अभियन्ता

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## INSTRUCTIONS TO TENDERS

**Tender No.** :- T- 10/HGD/2022-23  
**Name of Work** :- **Boring of tubewell for continuous supply of cooling water upto 90mtr depth including supply of submersible pump, motor, starter capacity of 7.5 HP, lowering pipe, column pipe, bends, sockets, other material & T&P required for proper completion of work at Babail Power House.**  
**Estimated cost** :- Rs. 04.95 Lac.  
**Tender Cost** :- Rs. 590.00  
**Earnest Money** :- Rs. 10000.00  
**Period** :- 30 Days

### **1. Geographical Situation of site :**

#### **A. Belka Power House :-**

2x1.5 MW capacity (Hydro) Power House, Tahsil Behat Distt- Saharanpur, about 25 km far from Saharanpur city towards Saharanpur-Yamunotri Road, Nearest Railway station is Saharanpur.

#### **B. Babail Power House :-**

2x1.5 MW capacity (Hydro) Power House, Village Babail Tahsil Behat Distt- Saharanpur, about 15 km far from Saharanpur city towards Saharanpur-Yamunotri Road, Nearest Railway station is Saharanpur.

2. 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 UPJVNL special terms and conditions etc. before submission of the tender and thereafter they should quote their rates in price schedule accordingly so that no ambiguity at later stage arise.
3. The tender must be submitted in two parts, known as part-I (pre-qualifications for opening of Part-II) and part-II (price bid) part-I of the tender shall be opened electrically in the presence of bidder's representatives, who choose to attend at the prescribed venue, date and time mentioned in tender notice. Part-II of tender shall be opened after the approval given by SE for only those bidders who have fulfilled the pre-qualifying conditions of the tender on the basis of documents submitted in Part-I of the tender opening date of the Part-II shall be informed later. Time of open the part-II will be remain same as in part-I , Part-II of the tender shall be opened electronically in the presence of bidder's representatives, who choose to attend at the prescribed venue, date and time.
4. A) E-bids (Technical and Financial ) must be submitted by the bidders at e-procurement [website http://etender.up.nic.in](http://etender.up.nic.in) not later than as prescribed date and time in tender notice.  
b) The purchaser may at this discretion, extends this deadline for submission of bids by amending the bid documents.
5. **Late Bids**  
The server time indicated in the bid management window on the e-procurement website <http://etender.up.nic.in> will be the time by which the bid submission activity will be allowed till the permissible date and time schedule in the bidding. Once the bid submission period is over, the bidder cannot submit their bid. Bidder has to start the bid submission well in advance so that submission process is completed within the scheduled period. Failing which it shall be the bidder's responsibility.
6. **Withdrawal and Re-submission of E-bids**
  - a. At point of time a bidder may withdraw their bid submitted online before the bid completion of bid submission period.
  - b. The bidder has to request the purchaser with a letter, attaching the proof of withdrawal and submission of bid security/EMD in the office of purchaser for taking back the bid security EMD as per the manual procedure.
  - c. The bidder can resubmit their bid as and when required till the scheduled bid submission end date and time. The bid submitted earlier will be replaced by the new one. The bid security submitted by the bidder earlier will be used of revised bid and the new bid submission summary generated after the successful submission of the revised bid will be considered for evaluation purpose.
  - d. No bid can be resubmitted subsequently after the period for submission of bids is over.

7. Bidders are advised to study the bid document carefully. Submission of bids against the tender notice shall be deemed to have been done after careful study and examination of the procedure, terms and conditions stipulated in the bid documents with full understanding of its implications.
8. The bid document is available at e-procurement website <http://etender.up.nic.in> interested bidders may view, download the bidding document, seek clarification and submit their bid online up to the prescribed date and time through uploading on e-procurement website <http://etender.up.nic.in>.
9. The bidders are required to submit the cost of tender document as stated above through of RTGS/NEFT in account of Executive Engineer Hydel Generation Division Khara Badshahibagh Saharanpur (U.P.) **(Punjab National Bank A/c No. 1019001100000016 & IFSC- PUNB0101900)**.
10. All bids must be accompanied by a bid Earnest Money Deposit in the form of RTGS/NEFT in account of Executive Engineer Hydel Generation Division Khara Badshahibagh Saharanpur (U.P.) **(Punjab National Bank A/c No. 1019001100000016 & IFSC- PUNB0101900)**. The scanned copy of bid document fee Tender Cost & Earnest money must be up loaded electronically along with all the bid documents. The original of bid document fee, Earnest money with copy of all other required certificates and document should be furnished to the office of the Executive engineer Hydel Generation Division Khara Badshahibagh Saharanpur (U.P.) within schedule time. Failing which the bid shall not be considered/opened & is liable to be rejected.
11. The bids shall be electrically opened in the presence of bidder's representatives, who choose to attend, at the prescribed venue, date and time mentioned above.
12. The purchaser reserves the right to cancel any all the bids/annual the bidding process without assigning any reason thereof.
13. In the event of date specified for bids opening, being declared a holiday then bid shall be opened on next working day at schedule time.
14. All the required document shall be submitted/uploaded by the bidder electrically in the PDF format. However, the financial bid should be submitted in the XLS format.
15. No deviation from the Technical specification & Technical conditions shall be acceptable. The price bid of only those firms shall be opened who shall fulfill following pre-qualifying conditions. The tenderer are requested to submit the following document in support of the same in part-I of the tenders, failing which part-II (Price bid) of the tender shall not be opened.

Executive Engineer

**A Tender Bid Part-I**  
**PRE-QUALIFYING CONDITIONS OF TENDER**

**Name of work:** Boring of tubewell for continuous supply of cooling water upto 90mtr sdepth including supply of submersible pump, motor, starter of capacity 7.5 HP, lowering pipe, column pipe, bends, sockets, other material & T&P required for proper completion of work at Babail PH.

**Tender Specification:** T-10/HGD/2022-23

E-bids (Technical and Financial) must be submitted by the bidders at e-procurement website <http://etender.up.nic.in> not later than as prescribed date and time in tender notice .

Tender bid part-1 of tender should be uploaded against specified Tender No. “T-10 /HGD/2022-23” containing the copies of following scanned document duly signed & stamped by bidders.

1. Tenderers have to deposit the requisite amount of tender fee earnest money as per tender notice in the desired shape. Any mode of transaction other than as mentioned in tender notice will not be accepted. Tenderer has to upload the receipt of the transaction.
2. The agreement on non-judicial stamp paper of Rs. 100/- or as applicable from time to time regarding validity of the offer on prescribed Performa with the signature of two witnesses specifying their name, profession and complete postal address.
3. Latest Income Tax clearance certificate/Return file for FY 2020-21 or later.
4. Copy of Labour license/registration issued by DLC valid for work in Hydro Power Stations.

Or

In case Labour license issued by any other DLC valid for work other than Hydro Power Stations, the firm shall submit the following undertaking on non-judicial stamp paper of Rs. 10/- and shall comply with the same, in case LOI is issued in his favor : -

“We shall submit Labour license issued by DLC valid for Hydro Power Station within 30 days after issue of LOI, failing which LOI issued may be canceled and any penalty imposed by UPJVNL shall be acceptable.”

Or

Undertaking if not applicable

5. Self-Attested latest financial turnover of the firm issued by the Bank/Chartered Accountant. Average annual financial turnover during the last 3 years ending 31st March 2022 should not be less than 1.50 Lacs.
6. Copy of Agreements executed in different Power Stations/Residential colony of SEB/UPJVNL/ NHPC/THDC/any other Government/Public/Private sector Hydro Generating plant/colony which shall be experience of having successfully completed similar nature work during last 5 year ending March 2022 and should fulfill either of the following: -

Self-attested copy of three similar natures of successfully completed works amounting to not less than 2.00 Lacs for each work.

Or

Self-attested copy of two similar natures of successfully completed works amounting to not less than 2.5 Lacs for each work.

Or

Self-attested copy of one similar nature of successfully completed work amounting to not less than 3.96 Lacs for the work.

7. The firm shall submit atleast a certificate for successful running & completion of similar nature of the work for atleast 3 years.
8. A copy of partnership deed in case a tenderer is partnership firm. In case of limited company, a copy of registration certificate issued by the Registrar of Companies.
9. Self-attested copy of valid group insurance or undertaking if not applicable.
10. Self-attested copy of EPF Registration.
11. Self-attested copy of 15 digits PAN based computerized GST registration certificate.
12. Self-attested copy of character certificate issued by SP/DM
13. Self-attested copy of latest No Dues Certificate regarding house rent and electricity charge from the concerned civil division & electricity division of Khara Hydro Power Station (UPJVNL) Khara-Badshahibagh, Saharanpur or undertaking if not applicable

**NOTE: The tenderers are requested to submit the above documents in Part –I of the tender, failing which Part –II (Price –bid) of the tender shall not be opened.**

**Executive Engineer**

## **B Tender Bid Part-II**

1. This part of the tender will contain price bid only, part-II of tender shall be opened after approval given by SE ,HGC, Khara for only those bidders who have fulfilled the pre-qualifying conditions of the tender on the basis of documents. Submitted in part-I of the tender. Opening date of the part-II shall be intimated later. Time to opening part-II of tender will be remain same as in part-I. part-II of the tender shall also be opened electronically in the presence of bidder's representatives. Who choose to attend, at the prescribed venue, date and time.
2. Rate should be quoted in figure & words exclusive of service tax in prescribed xls. sheet. (i.e BOQ). If there is a discrepancy between words and figures, the amount in words will prevail, GST shall be paid extra at actual as legally applicable.
3. The earnest money of un-successful bidders of the tender shall be returned to them after finalization of tender.
4. All the terms and conditions of UPJVNL form 'A' And 'B' will also be applicable.
5. Conditional offer will not be accepted in any case and will be rejected immediately.
6. No request for consideration of earnest money from pending bills/security money/EMD shall be entertained. And no tenderer can exempted from submission of EMD.
7. **Validity of Offer:-** The tender submitted by the bidders must valid for a period of 6 months from the date of opening of tender.

### **Other condition in regard to E-tender.**

- I. If the opening date happened to be a holiday then the tender shall be opened on the next Working day at the same time as mentioned in tender notice.
- II. After awarding the LOI, if any thing comes in to notice regarding false documents submitted for getting the tender or bidder involved in mafia activity or threatened other bidders or entrapped other bidder in participating in tender, the tender shall be cancelled and any loss to the Nigam on this account shall be responsibility of the contractor, in such cases action to be taken as deemed fit.
- III. It may be noted that no request for extension in the due date of tender opening shall be entertained.
- IV. UPJVNL may revise or amend the specification, drawing or any other documents forming part of the tender documents prior to the date notified for opening of the tenders. Such revision or amendment, if any will be communicated to all the tenderers as amendment to this invitation of tenders, in time.
- V. The tenderer to whom the Work is awarded, shall execute a written agreement as specified above, with the department /UPJVNL, on 100/- Rupees non-judicial stamp paper. (Purchase by the contractor in his own name/ firm), after intimation by this office.
- VI. If any tenderer's rates are accepted and he does not turn up for agreement even after intimation the earnest money submitted by him will be forfeited.

Executive Engineer

Signature of Contactor  
With seal



# **DECLARATION**

## **TENDER FORM**

### **Name of the Work:**

**From:**

**To,**

**The Executive Engineer**  
Hydel Generation Division  
U.P. Jal Vidyut Nigam Ltd.  
Khara Badshahibagh Saharanpur U.P.

Dear Sir,

With reference to your invitation of tender for the above, I/We hereby offer to U.P. Jal Vidyut Nigam Ltd. The items in the schedule of price rate to the satisfaction of the purchaser or in default thereof-forfeit to pay to U.P. Jal Vidyut Nigam Ltd. The sum of money mentioned the said conditions. The rates quoted are net and firm and in full satisfaction of all claims. I/We agree to abide by this tender for a period of six months from the date fixed for opening of the same.

**A sum of Rs.**                      **In the form of**                      **as earnest money** in favour of the “Executive Engineer, Hydel Generation Division, U.P. Jal Vidyut Nigam Ltd. Khara Badshahibagh Saharanpur” is enclosed full value of which clause (3) of the said condition of contract. I/We hereby undertake and agree to execute a contract in the form annexed here-to in accordance with the conditions of contract.

Dated:

Your's Faithfully

Witness:

Signature of Tenderer in full  
With seal

## VALIDITY AGREEMENT

Tender invited by : The Executive Engineer, Hydel Generation Division  
Khara Badshahibagh, Saharanpur

Tender for :

Tender Notice No. : T-10/HGD/2022-23

Due date :

Name of contractor :

.....

.....

.....

.....

In consideration of the U.P. Jal Vidyut Nigam Ltd. having treated the tenderer to be an eligible person whose tender may be considered, the tenderer hereby agrees to the conditions that the proposal in response to the above invitation shall not be withdrawn within six months from the date of opening of the tender, also to the condition that if thereafter the tenderer does withdraw his proposal within the said period, the earnest money deposited by him may be forfeited to the U.P. Jal Vidyut Nigam Ltd. In the discretion of the purchaser.

Signed this                      day of                      2022

Witness

1.....

2.....

Signed by Tenderer  
(with Seal)

## Special Conditions of the Contract

**Boring of tubewell for continuous supply of cooling water upto 90mtr depth including supply of submersible pump, motor, starter capacity of 7.5 HP, lowering pipe, column pipe, bends, sockets, other material & T&P required for proper completion of work at Belka 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 and technical specification as Annexed. It consists of **Boring of tubewell for continuous supply of cooling water upto 90mtr depth including supply of submersible pump, motor, starter capacity of 7.5 HP, lowering pipe, column pipe, bends, sockets, other material & T&P required for proper completion of work at Babail Power House.**

### 3. TIME FOR COMPLETION:-

The Work covered under scope of Work shall be for a period of 30 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 to the Contractor by Executive Engineer or his authorized person.

### 5. LEVY OF PENALTY:-

A penalty @ ½% 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. 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 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) 90% payment shall be released against running bill of the contractor .
- (b) Balance 10% payment shall be released with final bill 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 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. 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.
- (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 Khara Power House, Badshahibagh (Saharanpur) shall be final and binding.

16. 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.

#### 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 of judicature at Allahabad.

- 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 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.

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 UP JVNL 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 for next one year after 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

## **Technical Specification**

**Name of work:** Boring of tubewell for continuous supply of cooling water upto 90mtr sdepth including supply of submersible pump, motor, starter of capacity 7.5 HP, lowering pipe, column pipe, bends, sockets, other material & T&P required for proper completion of work at Babail PH.

**Tender Specification:** T-10/HGD/2022-23

Sl. No.	Particulars
01	Drilling 250 mm dia bore from 0 ground level to 90 m below ground level (BGL) with rig machine as per direction of site incharge and including cost of all labour, T&P boring apparatus charges etc.required for proper completeion of work.
02	Lowering of tube well assembly alongwith shrouding with pea gravels, testing, verticality of tube well and washing of the tube well from G.L to 90 M B.G.L including supply of all materials, labour and T&P etc. required for proper completion of the work.
03	Providing and Lowering of 200 mm outer dia PVC pipe of Prakash or Unipals or equivalent make (as approved by engineer-in-charge) 10 kg/sqcm capacity pressure pipe confirming to ISI 498S/1988 including cost of all materials, labour and T&P etc. required for proper completion of work.
04	Providing and Lowering of PVC Strainer pipe of 200 mm outer dia PVC pipe of Prakash or Unipals or equivalent make (as approved by engineer-in-charge) 10kg/sqcm pressure pipe confirming to ISI 498S/1988 with appox (60 X 3) mm. size slots all over surface of pipe and rolled with best quality plastic mesh binding with plastic wire as per all materials , labour and T&P etc. required for proper completion of work.
05	Providing and fixing of 200 mm. dia PVC top or bottom plug/Bail plug of prakash or uniplas or equivalent make of heavy quality including cost of all materials, labour and T&P etc. for proper completion of work.
06	Providing and fixing of 200 mm. dia PVC socket of prakash or uniplas or equivalent make of heavy quality including cost of all materials, labour and T&P etc. for proper completion of work.
07	Carriage and Transportation of equipments and its accessories 'Rig Machine' etc. to site of work.
08	Testing and developing charge of Tube Well for 24 HRS. or till supply of good discharge of water free from any foreign materials such as Silt, sand etc. obtained by O.P. Unit/Tractor.
09	Developing the tubewell by the air compressure having a capacity of 8.5 CuM or by the borehole pumping set having the capacity of 0.7 CuM/sec as per direction of Engineer incharge.
10	Providing and lowering of 80 mm dia. G.I.'B' class column pipe TATA/SAIL/JINDLE/TT/Swastik make along with column coupling socket etc. including cutting the pipe of required length and welding the same including cost of all materials, labour, T&P etc. for proper completion of work.

11	Providing and installation of 80 mm dia outlet size KIRLOSKER /CROMPTON /KSB /VARUNA or equivalent make submersible pump set of 7.5HP suitable for 250mm dia bored tubewell having discharge of 2400 L.P.M. at a total approx head of 46 meters complete in all respect consisting of four stage pump set fitted with special stream lined non returned valve directly coupled to squirrel cage induction motor of 7.5 HP 440 volts, three phase, A.C.50 cycles of 2900 rpm suitable for star delta starting including making electric connection to control panel including cost of control panel, testing and commissioning of the pumping set, including binding of supporting guide with the help of steel wire rope 5 mm dia including its cost required and S/F of complete inbuilt set of control panel prescribed by manufacturer for proper completion of work.
12	Supply and filling "Pee" gravel all around the line assembly to the entire depths of boring.
13	Lowering of M.S. column pipe in tubewell including supply of nuts, and bolts, packing and also carriage of pipe from workshop to site including all labour, T&P etc. required for proper completion of the work.
14	Providing and fixing MS center guide for 80mm MS pipe(as approved sample by E/I,including cost of all materials,labour,and T&P etc.required for proper completion of work.
15	Sealing of the annular space between the housing pipe and the bore in single continuous operation with clay/bentonite clay and cement and concrete as per drawing and direction of E/I complete.
16	Providing 6.0 sqmm copper sub-mersible cable of Finolex/ Atlas/Polycab/Havells or equivalent make of approved quality including cost of all labour material, T&P etc. required for proper completion of work.
17	Supply and fixing of 80 mm dia ISI marked NRV
18	Minor civil work as required on site.

**NOTE :**

1. The items, for which the specifications have been given, shall be supplied exactly in same specifications.
2. The items shall be supplied to the satisfaction of Engineer-in-Charge.
3. The Engineer-in-Charge shall reserve the right to reject any item, not supplied in accordance with the specifications during the inspection call.
4. Above said work execution will be done as per direction of the Engineer In-charge .
5. Testing and commissioning will be done as per direction of the Engineer In-charge.
6. After completion of overhauling work damaged material/scrap shall be provided by contractor to Nigam.
7. All the arrangements with respect to material, labour and T&P required shall be arranged by the contractor at their cost.
8. Any other material/ work which is not mentioned above, but necessary for completion of successful above works shall be done by the contractor at his own cost as per direction of Engineer-in-charge.

**Executive Engineer**

## **SCHEDULE OF RATE & QUANTITIES**

### **TENDER SPECIFICATION NO. :- T-10/ HGD/2022-23**

**NAME OF WORK :-** Boring of tubewell for continuous supply of cooling water upto 90mtr depth including supply of submersible pump, motor, starter capacity of 7.5 HP, lowering pipe, column pipe, bends, sockets, other material & T&P required for proper completion of work at Babail Power House.

Sl. No.	Name of Work	Qty		Rate	Amount
1	Drilling 250 mm dia bore from 0 ground level to 90 m below ground level (BGL) with rig machine as per direction of site incharge and including cost of all labour, T&P boring apparatus charges etc, required for proper completion of work.	90	RM		
2	Lowering of tube well assembly alongwith shrouding with pea gravels, testing, verticality of tube well and washing of the tube well from G.L to 90 M B.G.L. including supply of all materials, labour and T&P etc. required for proper completion of the work.	90	RM		
3	Providing and lowering of 200 mm. outer dia PVC pipe of prakash or Unipals or equivalent make (as per approved by engineer-in-charge) 10 kg/sqcm capacity pressure pipe confirming to ISI 498S/1988 required cost of all materials, labour and T&P etc. required for proper completion of work.	90	RM		
4	Providing and lowering of PVC Strainer pipe of 200 mm. outer dia PVC pipe of prakash or Unipals or equivalent make (as per approved by engineer-in-charge) 10kg/sqcm pressure pipe confirming to ISI 498S/1988 with appox. (60x3) mm. size slots all over surface of pipe and rolled with best quality plastic mesh binding with plastic wire as per all materials, labour and T&P etc. required for proper completion of work.	7	RM		
5	Providing and fixing of 200 mm. dia PVC top or bottom Plug /Bail plug of prakash or uniplas or equivalent make of heavy quality including cost of all materials, labour and T&P ect. proper completion of work.	2	Each		
6	Providing and fixing of 200mm. dia PVC Socket of prakash or uniplas or equivalent make of heavy quality including cost of all materials, labour and T&P ect. proper completion of work.	14	Each		
7	Carriage and Transportation of equipments and its accessories 'Rig machine' etc. to site of work.	1	Job		



8	Testing and developing Charges of Tube well for 24 HRS. or till supply of good discharge of water free from any foreign materials such as Silt, sand etc. obtained by O.P. Unit/ Tractor.	24	Per Hour		
9	Developing the tubewell by the air compressor having a capacity of 8.5 CuM or by the borehole pumping set having the capacity of 0.7 CuM/sec as per direction of Engineer I/C.	3	Per Hour		
10	Providing and lowering of 80 mm dia. G.I.'B' class column pipe TATA/SAIL/JINDLE/ TT/Swastik make with column coupling socket etc. including cutting the pipe of required length and welding the same including cost of all materials, labour, T&P ect. proper completion of work.	40	RM		
11	Providing and installation of 80 mm dia outlet size KIRLOSKER /CROMPTON /KSB/ VARUNA or equivalent make submersible pump set of 7.5HP suitable for 250mm dia bored tubewell having discharge of 2400 L.P.M. at a total approx head of 46 meters complete in all respect consisting of four stage pump set fitted with special stream lined non returned valve, directly coupled to squirrel cage induction of 7.5 HP 440 volts, three phase A.C.50 cycles 2900 rpm suitable for star delta starting including making electric connection to control panel including cost of control panel testing and commissioning of the pumping set, including binding of supporting guide with the help of steel wire rope 5 mm dia including its cost required and S/F of complete inbuilt set of control panel prescribed by manufacturer for proper completion of work.	1	Each		
12	Supply and filling "Pee" gravel all around the line assembly to the entire depths of boring.	1.13	Cum		
13	Lowering of M.S. column pipe in tubewell including supply of nuts, and bolts, packing and also carriage of pipe from workshop to site including all labour, T&P etc. required for proper completion of the work.	40	RM		
14	Providing and fixing MS center guide for 80mm MS pipe(as approved sample by E/I, including cost of all materials, labour and T&P etc. required for proper completion of work.	20	Each		
15	Sealing of the annular space between the housing pipe and the bore in single continuous operation with clay/bentonite clay and cement and concrete as per drawing and direction of E/I complete.	1	Job		
16	Providing 6.0 sqmm copper sub-mersible cable of Finolex/ Atlas/Polycab/Havells or equivalent make of approved quality including cost of all labour material, T&P etc. required for proper completion of work.	60	RM		

17	Supply and fixing of 80 mm dia ISI marked NRV	1	No		
18	Minor civil work as required on site.	1	Job		

(Rs. In word).....

नोट:- निविदादाता द्वारा विभागीय लागत से कम लागत की निविदा डालने की दशा में शासनादेश संख्या -622/23.12.2012-2 आडिट/08/टीसी-2, दिनांक 08.06.2012 के अनुसार 10 प्रतिशत तक न्यूनतम दरें (Below Rate) डाले जाने पर 0.50 प्रतिशत प्रति 1 प्रतिशत कम दर पर तथा 10 प्रतिशत से अधिक न्यूनतम दरों (Below rate) पर 1 प्रतिशत प्रति 1 प्रतिशत कम दर पर प्रफॉर्मेन्स गारन्टी की अतिरिक्त धरोहर धनराशि जमा करने के उपरान्त अनुबन्ध गठित किया जायेगा। निविदा दाता द्वारा उक्त धनराशि जमा न किये जाने पर उसकी धरोहर धनराशि जब्त कर अग्रिम कार्यवाही की जायेगी।

(Rajeev Srivastav)  
Executive Engineer

Signature of Contactor  
With seal