

U.P. Jal Vidyut Nigam Limited,



TENDER DOCUMENT FOR

NAME OF SUPPLY :- Procurement of Turbine oil, Lubricants and Trasnformer oil for smooth generation at Khara Power House and Belka Babail Power House for F.Y. 2022-23

TENDER NOTICE NO. :- T- 35/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
उ0प्र0 जल विद्युत निगम लि0, खारा-बादशाहीबाग, सहारनपुर उ0प्र0।
पंजीकृत एवं कार्पोरेट कार्यालय:- 12वाँ तल शक्ति भवन विस्तार, 14 अशोक मार्ग, लखनऊ।

ई-निविदा सूचना

इस खण्ड के अन्तर्गत निम्नलिखित कार्य हेतु अनुभवी/प्रतिष्ठित ठेकेदारों, जो सम्बन्धित कार्य का अनुभव रखते हों, से निम्नलिखित ई-निविदाएँ दो भाग में आमंत्रित की जाती हैं।

1.	निविदा सं०	:	VST-34/HGD/2022-23. Repairing and Overhauling of 5000 LPH Transformer oil filtration machine For Khara Power House । धरोहर राशि रु० 3300.00 (RTGS/NEFT के रुप में) निविदा शुल्क 360.00 जी0एस0टी0 सम्मिलित (RTGS/NEFT के रुप में).
2.	निविदा सं०	:	T-35/HGD/2022-23. Procurement of Turbine oil, Lubricants and Trasnformer oil for smooth generation at Khara Power House and Belka Babail Power House for F.Y. 2022-23। धरोहर राशि रु० 13000.00 (RTGS/NEFT के रुप में) निविदा शुल्क 950.00 जी0एस0टी0 सम्मिलित (RTGS/NEFT के रुप में).
3.	वेबसाईट पर ई-निविदा स्वीकार करने तथा डाउनलोड करने की अन्तिम तिथि/समय	:	04-01-2023/15:00 बजे तक। (VST-34/HGD/2022-23 के लिये मान्य होगी) 24-01-2023/15:00 बजे तक। (T-35/HGD/2022-23 के लिये मान्य होगी)
4.	ई-निविदा का प्रथम भाग खुलने की तिथि/समय	:	05-01-2023/12:00 बजे तक अथवा सार्वजनिक अवकाश की स्थिति में अगला कार्य दिवस। (VST-34/HGD/2022-23 के लिये मान्य होगी) 25-01-2023/12:00 बजे तक। (T-35/HGD/2022-23 के लिये मान्य होगी)

नोट:-निविदा सम्बन्धित समस्त जानकारी, [विवरण/डाउनलोड/निविदा](#) में प्रतिभागिता हेतु वेबसाईट **www.etender.up.nic.in** पर लाॅग इन करें। किसी भी प्रकार के संशोधन/विस्तार की सूचना उल्लिखित वेबसाईट पर दी जायेगी। सभी जानकारी उ0प्र0 जल विद्युत निगम लि0 की वेबसाईट **www.upjvn.org** पर भी उपलब्ध रहेगी। "अधिशासी अभियन्ता जल विद्युत उत्पादन खण्ड खारा-बादशाहीबाग, सहारनपुर के **(Punjab National Bank के खाता संख्या 1019001100000016 एवं IFSC- PUNB0101900)** में RTGS/NEFT के द्वारा वाञ्छित धरोहर राशि/निविदा शुल्क जमा कराना होगा। इच्छुक निविदाकार, निविदा खुलने की तिथि से पूर्व, किसी भी कार्य दिवस में अनुमति उपरान्त, विद्युत गृह में कराये जाने वाले सम्भावित कार्यों का निरीक्षण कर सकते हैं। निविदा के प्रथम भाग की विवेचना एवं अनुमोदन पश्चात्, निविदा का द्वितीय भाग खोलने की तिथि सूचित की जायेगी। अद्योहस्ताक्षरी द्वारा बिना कारण बताये निविदा को निरस्त करने का अधिकार सुरक्षित है।

अधिशासी अभियन्ता

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INSTRUCTIONS TO TENDERS

Tender No. :- T- 35/HGD/2022-23
Name of Supply :- **Procurement of Turbine oil, Lubricants and Transformer oil for smooth generation at Khara Power House and Belka Babail Power House for F.Y. 2022-23**
Estimated cost :- Rs. 6.42 Lac.
Tender Cost :- Rs. 950.00
Earnest Money :- Rs. 13000.00
Period :- 30 Days

1. Geographical Situation of site :

A. Khara Power House :-

3x24 MW capacity (Hydro) Khara Power House, Badshahibagh Distt- Saharanpur, 50 km far from Saharanpur city towards Saharanpur-Yamunotri Road, Nearest Railway station is Saharanpur.

B. 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.

C. 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 Supply seeing Supplying site, technical specification, general terms and conditions as per terms and conditions for the Supply 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 electronically 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> not later than as prescribed date and time in tender notice.
b) The engineer of contract 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 engineer of contract with a letter, attaching the proof of withdrawal and submission of bid security/EMD in the office of engineer of contract 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. The bidder can submit their revised bids as many times as possible by up loading their bid documents within the schedule period for submission of e-bids.
 - e. 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, Earnest money with copy of all other required certificates and document must be up loaded electronically along with all the bid documents.
 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 engineer of contract reserves the right to cancel the bids 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 Supplying day at schedule time.
 14. All the required document shall be submitted/uploaded by the bidder electronically 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 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: Procurement of Turbine oil, Lubricants and Transformer oil for smooth generation at Khara Power House and Belka Babail Power House for F.Y. 2022-23

Tender Specification: T-35/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 submitted in a cover-1st against specified Tender No. “T-35/HGD/2022-23” containing the copies of following scanned documents duly signed & stamped by bidders: -

1. Tenderers shall 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 accept. Tenderer has to upload the receipt of the transaction.
2. Copy of Good & Service Tax registration.
3. Lubricant Oil supplier must be only Government owned Manufacturing company/Government owned Manufacturing company's Authorized Dealer/ Government owned Manufacturing Company's Distributor/ Government owned Manufacturing company's industrial stockist.
4. Government owned Manufacturing company's Authorization Certificate Must be uploaded with the tender documents. if the tendrer is Authorised dealer, Distributor and Industrial Stockiest.

Note:-

- a. If at any stage during finalization of tender/execution of order, any documents, submitted by a contractor in his bid in support of pre-qualifying conditions, is found to be forged/false, his bid or order is liable to be rejected. EMD/Security deposit forfeited any other departmental action as deemed fit be initiated. For this purpose the contractor shall have to produce original documents, if required before opening of bid Part-II / afterward, as the case may be.
- b. Any deviation in terms & condition must be enclosed with Part-I. Deviation in the terms & condition may be the cause of not opening of tenderer Part-II.
- c. All the bidders will have to produce the original copy of all the scanned documents uploaded in cover-Ist, as & when required, for verification purpose.

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 Supplying 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 Supply 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 Supply:

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

Agreement for validity of rate on non judicial stamp paper of rupees 100.00

VALIDITY AGREEMENT

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

Tender for :

Tender Notice No. : T-35/HGD/2022-23

Due date :

Name of contractor :

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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 2023

Witness

1.....

2.....

Signed by Tenderer
(with Seal)

Special Conditions of the Contract

Procurement of Turbine oil, Lubricants and Trasnformer oil for smooth generation at Khara Power House and Belka Babail Power House for F.Y. 2022-23

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 SUPPLY :-

The scope of Supply involved, as per schedule of Rates & quantity and technical specification as Annexed. It consists of **Procurement of Turbine oil, Lubricants and Trasnformer oil for smooth generation at Khara Power House and Belka Babail Power House for F.Y. 2022-23.**

3. TIME FOR COMPLETION:-

The Supply covered under scope of Supply shall be for a period of 30 days from the date of start of Supply.

4. DATE OF START OF SUPPLY:

The date of start of Supply under this contract shall be intimated to the Contractor by Executive Engineer or his authorized person.

5. LEVY OF PENALTY:-

A penalty @ $\frac{1}{2}\%$ per week subjected to maximum of 10% of total value of the contract for delay in Supplis beyond the time of completion shall be levied.

6. ACCIDENT/ DEATH OF SUPPLYER:-

The contractor shall be responsible for payment of accidental benefit and compensation in case of death of any Supplier 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/Suppliers to enter into power station premises/ area for execution of the Supply. The contractor shall take full responsibility for the good conduct of his staff/ Suppliers 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 Supply is not being carried out to the satisfaction of the engineer-in-charge or his representative.

Under such condition, the complete Supply 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 Supply 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 SUPPLY:-

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 Supply 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 Supply arising solely from the faulty Supplymanship.
- (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 Supply and of receipt of such of objection, the contractor shall be bound to remove such person from the Supply 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 Supply 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 Supply 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 Supply, 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 Supply

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, Supplyman 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 Supply 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 Supplies under these specifications shall have to be guaranteed for satisfactory performance upto the date of completion of contract.

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

Executive Engineer

Technical Specification

Necessary test certificate shall be submitted by the supplier to the department.

1- Servo prime – 57 or its equivalent :- Performance Standards, Characteristics are as per below.

<u>PERFORMANCE STANDARDS</u>	
Oils meet the following Specification:-	
<ul style="list-style-type: none">• Turbine Oils Requirements.• Bs 489/1983• GE, USA Specification GEK-27070• Is: 1012 1987-1987 (Reaffirmed)	
<u>CHARACTERISTICS</u>	
ISO VG	57
Kinetic Viscosity, cST @ 40° C	55-60
Viscosity index, Min.	95
Flash Point, (COC), °C Min.	210
Pour Point, (COC), °C Max.	(-) 6
Neutralization No. mg KOH/gm	0.2
Rust Test, (D-665 A&B, 24 hrs.)	Pass

2- Servo System – 68 or its equivalent :- Performance Standards, Characteristics are as per below.

<u>PERFORMANCE STANDARDS</u>	
Oils meet the following Specification:-	
<ul style="list-style-type: none">• IS : 10522:1983 (Reaffirmed 1993)	
<u>MANUFACTURERS APPROVAL:</u>	
<ul style="list-style-type: none">• Bharat Pump & Compressors Ltd., Naini• Hindustan Machine Tools Ltd., Bangalore• Kirlosker Bros. Ltd., Pune• Heavy Engg. Corporation, Ranchi• Revathi CP Equipments	
<u>CHARACTERISTICS</u>	
ISO VG	68
Kinetic Viscosity, cST @ 40° C	62-74
Viscosity index, Min.	95
Flash Point, (COC), °C Min.	210
Pour Point, °C Max.	(-) 6

3- Servo Mesh SP – 320 or its equivalent :- Performance Standards, Characteristics are as per below.

PERFORMANCE STANDARDS

Oils meet the following Specification:-

- AGMA Standard 250.04
- ASLE Standard G-315, G-1000, G-1500 & G-2150
- IS 8406-1993
- Us Steel requirement No. 222 and 224

MANUFACTURERS APPROVAL:

Oils are approved by

- Cincinnati Milacron
- David Brown Gear Industries Ltd.UK

CHARACTERISTICS

ISO VG	320
Kinetic Viscosity, cST @ 40° C	288-352
Viscosity index, Min.	90
Flash Point, (COC), °C Min.	232
Pour Point, °C Max.	(-) 3

4- Servo Electra or its equivalent :- Performance Standards, Characteristics are as per below.

PERFORMANCE STANDARDS

Transformer Oils meet the following Specification:-

- Transformer Oils meet the requirements of IS 335-1993 of un-hibited transformer oil.
- Transformer Oils has been evaluated & certified by Central power Research Institute (CPRI), Muradnagar

CHARACTERISTICS

GRADE	Servo Electra (Typical)
Kinetic Viscosity, cST@27°C @40°C	27 Max 9.5 – 14.5
Interfecial Tension, M/m	0.052
Flash Point, oC, Min	140
Corrosive Sulphur,	Non-corrosive
Breakdown Voltage,kV after filtration, Min	60
Sp. Resistance, x 10 ¹² , ohm-cm @27°C, Min	1500
@90°C, Min	35
Di-electric dissipation factor, (TAN delta), @90°C, Max	0.002

5- Servo Super MG 20W-40 or its equivalent :- Performance Standards, Characteristics are as per below.

PERFORMANCE STANDARDS

Oils meet the following Specification:-

- API SC/CC
- US MIL-L-21048
- E-PL 1/E-DL 1 of IS: 13656-2002

MANUFACTURERS APPROVAL:

Oils are approved by

- Telco
- Ashok Leyland
- Mahindra & Mahindra

CHARACTERISTICS

SAE Grade	20W-40
Kinetic Viscosity, cST @ 40° C	13.5-15.5
Viscosity index, Min.	110
Flash Point, (COC), °C Min.	200
Pour Point, °C Max.	(-) 21
TBN, mg, KOH/gm	4.2-8.0

Health and Safety:-

This oil unlikely to present any different significant health of safety hazard when properly used in the recommended application and good standard of industrial and personal hygiene are maintained.

Note:- All above characteristics of Lubrication oils must be fulfilled.

Executive Engineer

SCHEDULE OF RATE & QUANTITIES

TENDER SPECIFICATION NO. :- T-35/ HGD/2022-23

NAME OF SUPPLY :- Procurement of Turbine oil, Lubricants and Trasnformer oil for smooth generation at Khara Power House and Belka Babail Power House for F.Y. 2022-23

Sl. No.	Name of Supply	Qty		Rate	Amount
1	Servo Prime-57 or its equivalent	1470	Ltr.		
2	Servo Electra or its equivalent	840	Ltr.		
3	Servo Mesh Sp320 or its equivalent	1260	Ltr.		
4	Servo System-68 or its equivalent	840	Ltr.		
5	Servo Super MG 20W-40 or its equivalent	210	Ltr.		

(Rs. In word).....

नोट:- निविदादाता द्वारा विभागीय लागत से कम लागत की निविदा डालने की दशा में शासनादेश सं० 622/23.12.2012/2 आडिट/08/टीसी-2, दिनांक 08.06.2012 के अनुसार 10 प्रतिशत तक न्यूनतम दरें (Below rate) डालने 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 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।

Executive Engineer