

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	18-03-2026 15:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	18-03-2026 15:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Power
विभाग का नाम/Department Name	North Eastern Electric Power Corporation Limited
संगठन का नाम/Organisation Name	North Eastern Electric Power Corporation Limited
कार्यालय का नाम/Office Name	Rhep Yazali
कुल मात्रा/Total Quantity	4
वस्तु श्रेणी /Item Category	Wave Trap/ Line Trap for 132 kV Switchyard
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	132 kV, 0.5 mH, 1600 Amp, 40 kA/1 Sec Wave Trap Suitable for Insulator mounting
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Category not available on GeM for the text string uploaded by the buyer
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> • Complete HF communication system for airports (AAI)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	22 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	88 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover	Yes Complete
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover	Yes Complete

बिड विवरण/Bid Details

विक्रेता से मांगे गए दस्तावेज़/ Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/ Do you want to show documents uploaded by bidders to all bidders participated in bid?	No
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	3
विगत प्रदर्शन / Past Performance	50 %
बिड से रिवर्स नीलामी सक्रिय किया/ Bid to RA enabled	No
बिड का प्रकार/ Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय / Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/ Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/ Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/ Arbitration Clause	No
सुलह खंड/ Mediation Clause	No

ईएमडी विवरण/EMD Detail

आवश्यकता/Required	No
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ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) / ePBG Percentage (%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) / Duration of ePBG required (Months).	14

(a) ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

लाभार्थी / Beneficiary :

General Manager
RHEP YAZALI, NORTH EASTERN ELECTRIC POWER Corporation Limited, NORTH EASTERN ELECTRIC POWER Corporation Limited, Ministry of Power
(Dinabandhu Baishya)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में है / Purchase Preference to MII sellers available upto price within L1+X%	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50
सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement (Preference to Make-in-india) order 2017 date 16.09.2020 (as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order (as amended and applicable time to time)

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within L1+X%	15

सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	25
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1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
5. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
6. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
7. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
8. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023. [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.
9. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are

validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

10. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Wave Trap/ Line Trap For 132 KV Switchyard (4 milliHenry)

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download
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परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Ajit Sarmah	791112,POWER HOUSE STORE DIKRONG POWER HOUSE RHEP, NEEPCO LTD. HOJ	4	280

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the

additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. **Generic**

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

Dikrong Power House
Panyor Lower Hydro Power Station
NEEPCO Limited
Hoj, Papumpare District
Arunachal Pradesh

3. **Generic**

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

4. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

5. **Generic**

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

6. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

BUYER ADDED SPECIFIC ATC (ADDITIONAL TERMS & CONDITIONS FOR TECHNO-COMMERCIAL REQUIREMENTS):

A. DETAILS OF BID

1. SCOPE OF WORKS:

Design, Engineering, Manufacturing, Inspection and Testing at Manufacturer's works before dispatch, Packing & Forwarding, Supply, Transportation to site, Insurance from the source of supply till commissioning, Material Handling, Loading and unloading, Storage at Site, Testing of 04 (Four) nos. of Wave Trap for 132 kV switchyard of 3x135 MW Dikrong Power House, Panyor Lower Hydro Power Station (PLHPS), NEEPCO Ltd., Hoj-Yayee, Dist-Papumpare, Arunachal Pradesh-791112.

The scope also includes the Consumable Spares & Accessories required for Wave Trap of 132 kV switchyard in all respect.

2. QUALIFYING REQUIREMENT OF BIDDERS:

- a) The intending bidder shall be a regular Manufacturer (OEM)/ OEM authorized reseller/ Reputed Agency in India for the equipment to be supplied under the scope of contract.
- b) **Bid Security/ Earnest Money Deposit:** In line with the Office Memorandum vide No: DPE/7(4)/2017-Fin. (Part-I), dtd.19/11/2020 GOI, Ministry of Heavy Industries & Public Enterprises, the bidders are to submit "**Bid Security Declaration**" against Bid Security in the prescribed format (Form-C) duly signed and by accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for the time specified in the tender documents. Bids without Bid Security Declaration shall be summarily rejected. All other relevant prescribed Forms are to submit (as required/as applicable) and bids without required Forms shall be summarily rejected.
- c) Bidder shall be complied and fulfil the required technical specifications as detailed in Technical Specifications (Annexure-I) & Guaranteed Technical Particulars of this bid documents. Catalogue of the offered equipment including technical benefits shall be submitted. Bids lacking information are liable to be rejected.
- d) The offered equipment along with its operating mechanism shall be as per relevant IEC Standards/International Standards or latest revision.
- e) The offered equipment shall be as per specific technical parameters for outdoor installation and must be suitable for existing system, protections, termination of cables, dimensions of foundation/structure etc. whatever required to complete in all respects for replacement/retrofitting works.
- f) The offered equipment shall be suitable with existing system and shall match on existing support/mounting structure and civil foundation. Mounting structure of new WTs (if required) shall be designed suitability considering existing support/ structure and foundation only.
- g) The materials viz., adopter plate, base plate, pedestal etc. required for replacement/retrofitting of new WT to match with the existing support/mounting structure, foundation and foundation bolts shall be provided.
 - h) Bidders must indicate clearly the Service Life periods of the offered system which shall be as per CEA standard guidelines and shall ensure the availability of spares for life periods of equipment to be supplied under the scope of contract. All the participating bidders shall have to confirm in writing and shall submit the undertaking with the Tech-Commercial bid.
 - i) As per office memorandum issued by GOI, Ministry of Commerce and Industries (DPIIT) vide no: No. P-45021/196/2020-PP (BE-II) (E-46734) dated 21st April 2023 and subsequent records of discussion of the meeting held on 05.04.2023 in DPIIT associating Ministries/Departments and Industry Associations on standard operating procedure (SoP) issued vide No. A-1/2021-FSC, GOI, MOP, New Delhi dated 28.03.2024, the past experience, turnover, production capability, financial strength may be relaxed under the eligibility criteria of the tender subjected to conditions that a) The Bidder/OEM {themselves or through reseller(s)} shall have to ensure the required technical specification, b) All necessary techno-commercial supports including warrantee/guarantee, drawing, GTP etc. shall have be ensured by the regular Manufacturer/OEM against the respective Bidder/OEM {themselves or reseller(s)}, c) Shall ensure to execute the works/contract under the supervision of OEM or through the authorized representative of OEM for successful completion of the works/contract.

3. PRICE BASIS:

As per GeM provision.

B. OTHER TERMS AND CONDITIONS OF CONTRACT

1. **Delivery:** Materials should be delivered at site within 280 (Two Hundred Eighty) days from the date of approval of the Drawing. Drawing of the equipment shall be submitted to the Office of General Manager (Tech), PH&SY(O&M), PLHPS vide the E-mail: gmoofficeplhps@gmail.com / dinabandhub@neepco.co.in,

Contact No- 9435339966

2. **GST:** Our GST registration no is 12AAACN9991J4Z0.
3. **Bank charges:** As per GeM provision
4. **Force Majeure:** As per GeM provision
5. **Payment Terms:** As per GeM Compliances. However, our Standard payment term is 100% of supply of material value with applicable taxes will be released after receipt of materials at site in full and good condition.
6. **Mode of Payment:** As per GeM provision
7. **Penalty/ Liquidated Damage:** As per GeM provision
8. **Guarantee/Warranty:** As per GeM provision.
9. **Contract Performance Guarantee/Security Deposit:** As per GeM provision
10. **Pre-Dispatch Inspection & Testing:** As per GeM provision.
11. **Arbitration:** As per GeM provision
12. **Consignee:** All the materials to be consigned to:

Dy. Manager(E/M), Power House Store, Dikrong Power House, Hoj-791112, PLHPS, NEEPCO Ltd., Yayee, Arunachal Pradesh.

Mobile No.: 6909313368 (O), 9862948422 (M).

Email ID: dikrongphstore@gmail.com.
13. **Paying authority:** Senior Manager (Finance), F&A Wing, PLHPS, NEEPCO Ltd., Yazali, 791119, Arunachal Pradesh.
14. **Destination:** The materials to be supplied under this contract shall be delivered at the following destination:

**Dikrong Power House, Panyor Lower Hydro Power Station (PLHPS),
NEEPCO Ltd., Hoj-791112, Arunachal Pradesh.**
15. NEEPCO reserves the right to reject any or all bids, or to annul the bidding process and reject all the bids if or any justified and genuine grounds, without thereby incurring any liability to the affected bidders, nor does it have any obligation to inform the bidders of the grounds for such action. No claim will be entertained after finalization of technical/price bid by the TOC/TEC.
16. **Insurance:** The Insurance to cover the replacement / reinstatement cost of the material from all risks during transportation from the manufacturer's works till receipt at project site including storage at intermediate location during transportation would be under the scope of Contractor.
17. **Instruction Manual**

The contractor shall provide 3 (three) set of Instructional manuals containing details of the Wave Trap and maintenance along with all relevant drawings, Bill of material with part no. & drawings for the Wave Trap. The manuals shall clearly indicate the procedures of installation, Operation & Maintenance, safety, healthiness check-up, tests to be carried out etc. in details.
18. **Test Certificates and Report**

Relevant Test certificates and Report shall be furnished along with the equipment.

19. The bidder, in case of detailed analysis of the requirement can visit Dikrong Power House, Panyor Lower Hydro Power Station (PLHPS), Hoj site. However, prior intimation shall be provided through mail to the email id provided in Section-B (1) regarding the schedule of visit.

20. Any other accessories, those are not mentioned in the specification, but required for satisfactory functioning of the Wave Trap, are to be supplied along with the Wave Trap free of cost.

C. EXISTING SYSTEM PARAMETERS & DIMENSIONS

1. Details of Existing Wave Trap of 132 kV Switchyard

The Wave Trap of 132 kV Switchyard of Dikrong Power House, PLHPS, NEEPCO Ltd., Hoj, Arunachal Pradesh has been used for effectively blocking the high frequency currents and allow the 50 Hz currents to pass without losses. The Wave Traps are intended for series insertion into a high voltage transmission line to prevent undue loss of carrier signal for all power system conditions. The impedance has been negligible at the power frequency so as not to disturb the power transmission.

Wave traps consist of a main coil designed to carry continuously the rated power frequency current at the maximum ambient temperature. The material used for main coil is aluminum. It has been supplemented with a protective device and tuning unit and securely fixed inside the main coil and shunt-connected across it. The purpose of the protective device is to protect transient over voltages which may otherwise occur across it. Additional protective device associated with the tuning device has been provided to protect the individual components. Wave Trap has been painted with bectol grey paint. Conductor size is ACSR Moose C conductor (Ø 31.77 mm).

The Guaranteed Technical Particular_of the Existing Wave Trap have been evaluated below:

Sl. No.	Parameters	Values
1.	Manufacturer Name	GYRO POWER SYSTEMS & COMMUNICATION PVT. LTD.
2.	Installation Type	Outdoor Air Cooled
3.	Inductance of main coil	0.5 mH
4.	Blocking Range (Resistive Freq. Range)	90-150 kHz & 150-500 kHz
5.	Minimum Guaranteed resistive component	
(a)	Centre Frequency	≥ 570 Ω
(b)	Over Blocking Range	570 Ω
6.	Type of Tuning	Variable Broad Band
7.	Variation in 50 Hz impedance per °C variation in ambient Temperature	Negligible
8.	Variation in resonant frequency band per °C variation in ambient Temperature	Negligible

9.	Details of protection of capacitors & coils against voltage surges	By providing suitable Lightning Arrestor
10.	The No. of frequencies to which the trap can be tuned for parallel resonances.	Two Band width can be achieved viz 90-150 kHz & 150-500 kHz
11.	Impedance at Tuned Frequency	> 600 Ω
12.	Change in impedance per $^{\circ}\text{C}$ variation in ambient Temperature	Negligible
13.	Material of Main Coil	Aluminium Alloy
14.	Attenuation in the tuned frequency band	< 2.6 dB
15.	Attenuation at the distance of 10 kHz from the tuned frequency band	>2.6 dB
16.	Maximum tapping loss (insertion loss with a line impedance of 400 Ω)	2.6 dB
17.	System Voltage Rating	132 kV
18.	Continuous Current Rating at Ambient Temperature	1600 Amps
19.	Rated Short Time Current for 1 Sec	31.5 kA
20.	Symmetrical peak value of the first half wave of rated short circuit current	80 kAp
21.	Dynamic Limiting Current	80 kAp
22.	Rated Current & Corresponding Voltage	1600 A / 132 kV
23.	Residual Voltage at 10 kA peak	32.5 kV
24.	Maximum working tensile strength	As per IEC-60353 standard
25.	Bird Barrier	Drawing Furnished
26.	Corona Ring	Not Provided
27.	Installation Hardware	Yes
28.	Lifting Arrangement	Yes
29.	Pedestal Mounting Arrangement	Not Provided

30.	Ultimate Tensile Strength	6000 Kgs
31	Dimension of Equipment	
(a)	Height	1120 ± 10 mm
(b)	Diameter	1046 ± 5 mm
32	Net Weight	210 Kgs
33.	Gross Weight	280 Kgs

2. Existing Components of the Wave Trap

-1

D. REQUIRED TECHNICAL SPECIFICATIONS

Wave Trap for 132 kV Switchyard

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- a) Wave Trap with all its necessary accessories is required to be designed, engineered and manufactured for 132kV switch yard of Dikrong Power House, PLHPS, NEEPCO Ltd., Arunachal Pradesh. Each Wave Trap shall consist of a main coil designed to carry continuously the rated power frequency current at the maximum ambient temperature. The material used for main coil may be aluminum. It shall be supplemented with a protective device and tuning unit and shall be securely fixed inside the main coil and shunt-connected across it. Wave trap (WT) shall be outdoor type suitable for mounting on post insulators.
- b) It shall be of robust construction with metallic parts made out of nonmagnetic material to reduce heating due to induced currents under heavy load and short circuit conditions. Suitable bird barriers shall be provided both at the top and bottom to prevent entry of birds. Necessary drain holes shall be provided in these barriers to drain off rain water that may collect. The bird barrier provided both at the top and bottom shall be in four parts sufficiently thick and securely fixed with non-magnetic screws or bolts. It should be easily removable in segments from the trap without disturbing the clamps, conductor, tuning parts etc. Sharp corners shall be avoided on the outer surface of the trap to prevent corona.
- c) The coil of wave trap shall tolerate short circuit current of transmission line and shall withstand the mechanical stress resulting from it. HF tuning elements shall be placed in a separate sealed unit.
- d) Wave Trap shall be provided with a protective device which shall be designed and arranged so that neither significant alteration in its protective function nor physical damage shall result from either temperature rise or the magnetic field of the main coil for continuous rated current or rated short time current. The protective device shall neither enter into operation nor remain in operation following transient actuation by the power frequency voltage developed across the wave trap by the rated short time current. The protective device shall be shunt-connected to the main coil and the tuning device.
- e) The protective device in the form of surge arrester shall be gapped type. For proper coordination with the surge arresters installed in the switchyard, its rated discharge current shall be 10 kA.
- f) The wave trap shall be broadband type tuned for its entire carrier frequency range. The resistive compo

ment of the blocking impedance should not be less than 600 Ω on the carrier frequency bandwidth in the range of 90 kHz to 150 kHz and 150 kHz to 500 kHz

g) Mandatory spare and Accessories such as 1(One) No. of tuning device, 1(One) No. of surge arrestor, 2(Two) Nos. of Bird Barrier for top and bottom of the wave trap and 4(Four) Nos. of terminal connectors of suitable dimension compatible for the existing installation of 132 kV switchyard of Dikrong Power House.

h) The wave traps should be subjected to various Routine test in compliance to latest and relevant guidelines/ standard. The major testing procedure shall include:

- i. Power Frequency withstand test on tuning unit.
- ii. Measurement of rated Inductance of the main coil.
- iii. Measurement of Power Frequency Inductance of the main coil.
- iv. Measurement of Blocking Resistance & tapping loss based on blocking resistance within the bandwidth.

Note: - The Wave Traps need to be compatible with existing equipment and should undergo minimal change (other than that recommended in required technical specifications) with respect to existing installation of 132 kV switchyard of Dikrong Power House and should be complying to latest CEA guidelines.

E. GUARANTEED TECHNICAL PARTICULARS

Guaranteed Technical Particulars of Wave Traps for 132 kV switchyard of
Dikrong Power House.

(To be filled in and signed by the Bidder)

The bidder shall furnish all guaranteed technical particulars of this specification. Particulars which are subject to guarantee shall be clearly marked. Bids lacking information in G.T.P. are liable to be rejected.

Checklist for Guaranteed Technical Particulars.

Sl. No.	Description	Material	Quantity
1.	Name plate of Wave Trap	Aluminium Alloy	1 No.
2.	Name Plate for Tuning Unit	Aluminium Alloy	1 No.
3.	Terminal Clamp	Aluminium Alloy	2 sets.
4.	Bird Barrier	Fibre Glass	2 sets.
5.	Lifting Eye	Steel St-32(C-15)	1 No.
6.	Main Coil	Aluminium Alloy	1 No.
7.	Tuning Unit	Made up of R, L, C Component	1 No.
8.	Lightning Arrestor	ZnO Gapped	1 No.
9.	Terminal Pad	Aluminium Alloy	1 No.

10	Extender	Stainless Steel	1 No.
11.	Anchor Shackle	Forged Steel	1 No.
12.	Ball Link	Forged Steel	1 No.
13.	Socket Clevis	Forged Steel	1 No.
14.	Disc Insulator	Shell made of Porcelain	1 No.
15.	Suspension Eye	Forged Steel	1 No.
16.	Anti Decoiling flexible stay arm device	Glass Fibre	2 No.
17.	Connection key Name plate for Tuning Unit	Aluminium Alloy	1 No.
Sl. No	Description	Required Technical Data	Compliance of bidder
1	Name of Manufacturer	Please specify	
2	Country of Origin	Please specify	
3	Installation	Outdoor	
4	Design Ambient air Temperature	32°C	
5	Type	Aluminium wound, Epoxy Resin Impregnated Line Trap	
6	Reference Standard	IEC 60353	
7	Mounting	Insulator mounting	
8	System Voltage	As mentioned in Section-C Clause-3 Annexure-A	
9	Rated Current	As mentioned in Section-C Clause-3 Annexure-A	

10	Rated Inductance of main coil	As mentioned in Section-C Clause-3 Annexure-A	
11	System Frequency	50 Hz	
12	Max Symmetrical Short Time Current Rating at 1 sec	40 kA	
13	Type of tuning	As mentioned in Section-C Clause-3 Annexure-A	
14	Minimum Guaranteed resistive component		
a)	Centre Frequency	As mentioned in Section-C Clause-3 Annexure-A	
b)	Over Blocking Range	As mentioned in Section-C Clause-3 Annexure-A	
15	Change in impedance per °C variation in ambient Temperature	As mentioned in Section-C Clause-3 Annexure-A	
16	Variation in resonant frequency band per °C variation in ambient Temperature	As mentioned in Section-C Clause-3 Annexure-A	
17	Blocking Range (Resistive F req. Range)	As mentioned in Section-C Clause-3 Annexure-A	
18	Discharge Voltage Rating of Surge Arrester	As mentioned in Section-C Clause-3 Annexure-B	
19	Discharge Current Rating of Surge Arrester	As mentioned in Section-C Clause-3 Annexure-B	
20	Type of Surge Arrester	Non- linear Resistive spark Gap Type	

Notes: All the other important Technical Particular which are crucial with respect to the Design, Engineering & Manufacturing of the Wave Traps should be in accordance to parameters mentioned in Section-C Clause-3 Annexure-A and Annexure-B

7. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

8. **Rate Contract**

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

9. **Rate Contract**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

10. **Rate Contract**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

11. **Rate Contract**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

12. **Rate Contract**

Materials shall be guaranteed for 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.

13. **Rate Contract**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

14. **Warranty**

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

15. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

16. **Generic**

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

17. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

18. **Inspection**

Materials shall be guaranteed for 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.

19. **Generic**

Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

20. **Turnover**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

21. **Purchase Preference (State)**

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs from the State of Bid Inviting Authority having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry / State of Bid inviting authority. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 50 % of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 100 percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 OM_No.1_4_2021_PPD_dated_18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

22. **Purchase Preference (Centre)**

Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 100% of total value.

23. **Past Project Experience**

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.**Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed.b. Execution certificate by client with contract value.c. Any other document in support of contract execution like Third Party Inspection release note, etc.

24. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

25. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

M/sState Bank of India NEEPCO LTD

Account No.

11879752518

IFSC Code

SBIN0009917

Bank Name

State Bank of India

Branch address

Yazali Branch, Arunachal Pradesh

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

26. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

27. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

28. **Generic**

The Buyer has an existing set up / inventory of similar products. The offered / supplied product must be compatible with existing system. The bidder has to ensure Compatibility of the supplied items or shall have to include in the supply the necessary hardware / software to make them compatible at no extra cost to the buyer. The details of items with which compatibility is required are as under:

The product should be compatible and installed at existing set up at no extra cost of buyer

29. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working

Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---