

निविदा आमंत्रण सूचना
NOTICE INVITING TENDER (NIT)

Enquiry No.- 77/26/6088/MAN

Date -14-Jul-26

BHEL invites offers from reputed Suppliers as per following terms and conditions -

1. Tender Type	Open Tender		
2. Package	ELECTRIC LAB EQUIPMENT		
3. Project	1 X 660 MW WBPDCS SAGARDIGHI EXTN UNIT V		
4. Executing Agency	BHEL-PEM		
5. Mode of Enquiry	E - PROCUREMENT		
6. Nature of Package (Divisible/Non-Divisible)	Non-Divisible		
7. Numbers of Part bid	2-Part bid (Techno-commercial and Price bid)		
8. Due Date & Time	For offer submission	24.07.2026	14:00 IST
	For P-1 bid opening	24.07.2026	15:00 IST
9. Bid Security/Earnest Money Deposit (EMD)	Not Applicable	Amount	NA
10. Tender Cost	NIL		
11. Eligibility of Local Supplier as per MII	Both Class-I Local Supplier & Class-II Local Supplier <u>Minimum Local Content required for qualifying a Supplier as "Class I Local Supplier / Class II Local Supplier"</u> a. 50% & above - Class-I Local Supplier b. >=20% & <50% - Class-II Local Supplier		
12. Technical Scope	As per Technical specification No: PE-TS-445-556-E002B, Rev. 0		
13. Pre-bid Meeting	Yes, on 17.07.26 @ 15:00 Hrs.		
14. Prequalification Requirements	Financial PQR- Applicable	Not	Technical PQR- YES
Technical PQR for subject tender is as per Annexure – B . Bidder has to provide the details as per TECHNICAL PQR in its Offer. Bidder to note that bids of only those Bidder(s) shall be evaluated who meet the Pre-Qualifying requirements.			
Note: This item/Package/system falls under the list of items defined in Para 3 of Ministry of Finance guideline ref no.F.20/2/214-PPD(Pt.) dated 20-09-2016 (in respect of procurement of items related to public safety, health, critical security operations and equipment's, etc.) & hence criterion of prior experience shall be same for all Suppliers including startup/MSME. However, Annual Turnover Criteria shall not be applicable for Micro and Small Enterprises and Startups recognised by DPIIT.			
15. Bidder(s) to note that this is a conditional Open Tender enquiry & Part II/Reverse Auction participation of the bidder shall be subject to following condition: a) Qualifying Technical Pre-Qualification Requirement. b) Techno-Commercial acceptance of offer by BHEL-PEM. c) Approval of Bidder by End Customer. Bidder to furnish credentials along with its offer as per NIT (Format enclosed – Annexure C).			

16. Bidder(s) has to note that following forms the part of Tender Documents:

- General Conditions of Contract (GCC) Rev. 07 & its subsequent corrigendum 01,02 & 03
Link: https://pem.bhel.com/Bhel_vendor_section.aspx
- **Technical Specification:** PE-TS-445-556-E002B, Rev. 0
- Technical PQR (**Annexure-B**)
- BOQ CUM Price Schedule (**Annexure-A**) & SCC of Project
- NIT CONDITIONS along with Enquiry letter

Offers are to be submitted strictly in accordance with the requirements of the above Tender Documents. All the above referred Tender Documents shall automatically become the part of the Order/Contract after its finalization.

17. Delivery Terms:

Main Supply	Within 135 days from the PO date.
	Notes: - Supplier to start manufacturing/supply only after getting the applicable engineering Drgs. /docs approved from BHEL/End Customer. - Drawings /documents submission/re-submission schedule shall be as indicated in enclosed Annexure-D. Same shall be used for progress monitoring purpose and required course correction, if any. - The delivery date specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule. - The delivery conditions specified are for contractual purposes. However, to meet project requirement, BHEL may ask for early deliveries without any compensation thereof.
Services (Demonstration and Handing over at site)	Vendor to depute its service engineer for respective site activity within 15 days from BHEL's intimation (for deputing service engineer) for such site activity.

18. Delivery Extension: Extension of Contractual delivery time

Delivery time (135 days from the PO date) mentioned in the NIT includes Engineering completion time (time for drawing/document submission/resubmission by the vendor and review/approval of the same by the BHEL/End customer), manufacturing, inspection, Packing and dispatch time. Due diligence is to be observed by the vendor to ensure timely completion of engineering and supply.

During the execution of the Contract, time loss occurred owing to the reason attributable to BHEL besides force majeure shall be considered for delivery time extension to the vendor as given below:

- Any Delay in providing comments/ approval on Primary drawing/documents beyond the stipulated time as specified in NIT.
- Time Loss in approval of the drawing/document as a result of increase in the iteration not attributable to the vendor (i.e. resubmission owing to end customer comments) as certified by BHEL. Time extension equivalent to the resubmission time noted in the tech. spec and consequential increase in the approval time in lieu of increase in iteration shall be applicable. However, for incomplete re- submission time loss shall be in vendor account.
- Delay in providing engineering input/material by BHEL.
- Delay in deputing inspector for inspection and delay in release of MDCC in line with GCC
- Any hold put by BHEL for whatever reasons during execution of Contract (within Contract validity period), time extension equivalent to hold period shall be admissible. However, in the event hold period continues for more than 30 days then, an additional fifteen days for the purposes of mobilization and demobilization of resources shall also be admissible.

Note: Extension in delivery period if any with or without imposition of LD shall be considered after detailed delay analysis based on provisions given above. However, no delay analysis will be applicable if supply is completed within delivery schedule as specified in Purchase order.

19. Validity of Contract:

Vendor has to make supply of goods/services as per the delivery time mentioned above. However, due to unavoidable circumstances if delay happens in providing inputs/ clearances (inputs, Engineering approvals, deputing inspector for inspection, issuance of MDCC and any hold imposed owing to site issues etc.) for which delivery time extension is admissible as per **Clause No. 18** above, in such situation it shall be obligatory at vendor part to execute the contract at PO rates, terms and conditions where inputs/ clearances has been accorded within validity of contract. Validity period for various activities shall be as defined below or as mentioned in the NIT.

Validity of the contract for main supply:

Contract shall be valid for 180 days (C) from the PO date. However, delay at vendor's end (if any) shall be added to the validity period and contract validity shall get extended by the delay period at vendor's end.

For example: Original Delivery period for main supply: "135" A (in days)

if Delay at vendor's end: B (in days beyond "A" days)

Contract validity: C (180) + B (in days)

Validity of the contract for Services (Demonstration and Handing Over):

Validity of contract for Services (Demonstration and Handing Over) applicable in the contract shall be one year over and above contractual validity period for main supply as specified above.

Notes:

- B is the Vendor delay days beyond original contractual delivery period for main supply /extended delivery period owing to time taken by BHEL.

* Validity of Contract is to be treated as currency of the contract period only. However, delivery schedule shall be as per the **sl. no. 17** for all contractual purposes including LD.

- Main Supply including quantity variation, Mandatory Spares/ Services applicable in the contract released/ cleared for manufacturing within contractual validity period, to be supplied by Supplier at PO rates, terms and conditions.
- Execution of the contract quantities released beyond contract validity period shall be decided on mutual consent basis at PO rates, terms and conditions.

20. Payment Terms	Main Supply	As per clause No. 9.2.1 of General Commercial Terms and Conditions of GCC Rev. 07 & subsequent corrigendum No. 01, 02, & 03.
	Services (Demonstration and Handing over at site)	As per clause No. 9.5 of General Commercial Terms and Conditions of GCC Rev. 07 & subsequent corrigendum No. 01, 02, & 03.

Note:

- TReDS platform is an initiative instituted by Govt. of India for MSMEs. Presently Three agencies namely (a) Invoicemart (M/s A. TREDS Ltd.), (b) M1xchange (M/s Mynd Solutions Pvt. Ltd.) and (c) M/s RXIL are registered with BHEL-PEM. BHEL-PEM strongly advise all the MSME suppliers to get themselves registered on these TReDS platform/s for faster payments.
- All Suppliers / Suppliers of BHEL are informed that the facility for **online invoice registration and document uploading** has been enabled in the **SUVIDHA Portal (<https://suvidha.bhel.in/suvidha/>)**. With effect from **01-October-2025**, it shall be mandatory for all Suppliers / Suppliers of BHEL to **register** their invoices to be **exclusively through the system** along with the requisite documents.

21. Mode of Evaluation of Price: Price will be finalized through Reverse Auction (RA).

"BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed price bid along with applicable loading, if any, shall be considered for ranking."

"The Suppliers has to quote the Single Price (i.e. Total Cost to BHEL) in Reverse Auction. Prices are to be inclusive of Packing & Forwarding charges, all as per tender scope, Freight as applicable, including loading (if any) but excluding GST. De-loading (if any) shall be done in line with NIT terms."

RA guidelines (Guidelines for RA 2024 - Abridged Version) can be referred from :

https://pem.bhel.com/Bhel_vendor_section.aspx

22. **MSE/MII Purchase Preference:**

MII Purchase Preference

Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 issued by DPIIT:

For this procurement, the local content to categorize a Supplier as a Class I local supplier/ Class II local Supplier/Non-Local Supplier and purchase preferences to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020, 19.07.2024 and subsequent orders (if any) issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the tender, the same shall be applicable even if issued after issue of this tender, but before opening of Part-II (Price) bids against this tender.

Minimum Local Content required for qualifying a Supplier as "Class I Local Supplier / Class II Local Supplier / Non-Local supplier"	50% & above - Class-I Local Supplier		
	>=20% & <50% - Class-II Local Supplier		
	<20% - Non-Local Supplier		

Eligibility of Suppliers for this tender	Only Class-I Local Suppliers & Class-II Local Suppliers		
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Nature of Package	Non-Divisible	Margin of purchase preference as per MII	As per Public Procurement (Preference to Make in India), (PPP-MII) Order 2017 dt. 19.07.2024 and subsequent amendments issued by DPIIT.
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MSE Purchase Preference	As per Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012.		
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While evaluating the bid; 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 MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 100% percentage of total quantity.

Concurrent application of PPP-MSE, 2012 and PP (MII) order, 2017	Yes, would be applicable as per GOI circular (No. F.1/4/2021-PPD dtd. 18.05.2023) and any other subsequent circulars / clarifications.		
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23. **Contract Performance Bank Guarantee**

As per clause No. 11.0 of General Commercial Terms and Conditions of GCC Rev. 07 & subsequent corrigendum No. 01, 02, & 03.

24. **Liquidated Damages (LD):**

Main Supply: As per clause No. 16 of GCTC amended vide corrigendum 03 to GCC Rev. 07. However, LD shall be applicable on undelivered portion of Order/Contract value.

Services (Demonstration and Handing over at site): As per clause No. 16 of GCTC amended vide corrigendum 03 to GCC Rev. 07. However, LD shall be applicable on undelivered portion of Order/Contract value

Note:

Supplier to essentially quote prices against each line item of the BOQ in the respective columns. 'NIL', 'Free of Cost', 'Zero' etc. shall not be mentioned for any line item of the BOQ. In such case, Liquidated Damages shall be levied on the Total order/ contract value instead of undelivered portion of the Order/ contract. Also, if price of any line item (X) is mentioned 'Included' in any other line item (Y), then in case of delay in delivery of item (X), LD shall be applicable on value of item (Y).

All other terms and conditions of LD shall be as per GCC Rev. 07 and Corrigendum 01, 02 & 03 to GCC Rev. 07.

25. Guarantee Terms: As per Clause No. 12.0 except Clause no. 12.2(b) of General Commercial Terms & Condition of GCC Rev. 07.

26. Validity of offer shall be as per Clause no. 7 (Instruction to Bidders) of GCC Rev. 07.

27. PVC (Price Variation Clause): Not Applicable. Prices shall be FIRM for the entire scope of work in line with the tender documents and subsequent clarifications/ confirmations till completion of Order/Contract.

28. CIF Content NIL

29. Tender Evaluation - Price will be finalized through RA. Evaluation will be done on overall L1 basis (i.e. Total Package Price including Freight excluding taxes) with necessary loading as applicable.

30. Breach of Contract, Remedies and Termination (Tenderer to note that this clause will supersede any clause regarding recovery amount from Tenderer due to Breach on Contract/Risk Purchase mentioned anywhere in GCC Rev. 07 and its Corrigendum)

The following shall amount to Breach of Contract:

- I. Non-supply of material/ non-completion of work by the Supplier within scheduled delivery/ completion period as per contract or as extended from time to time.
- II. The Supplier fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery/ completion period to justify that supplies shall be inordinately delayed beyond contractual delivery/ completion period.
- III. The Supplier delivers equipment/ material not of the contracted quality.
- IV. The Supplier fails to replace the defective equipment/ material/ component as per guarantee clause.
- V. Withdrawal from or abandonment of the work by the Supplier before completion as per contract.
- VI. Assignment, transfer, subletting of Contract by the Supplier without Buyer's written permission resulting in termination of Contract or part thereof by Buyer.
- VII. Non-compliance to any contractual condition or any other default attributable to Supplier.
- VIII. Any other reason(s) attributable to Supplier towards failure of performance of contract. In case of breach of contract, Buyer shall have the right to terminate the Purchase Order/ Contract either in whole or in part thereof without any compensation to the Supplier.
- IX. Any of the declarations furnished by the Supplier at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were of a nature that could have resulted in non-award of contract to the Supplier or could expose Buyer and/ or Owner to adverse consequences, financial or otherwise.
- X. Supplier is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of Buyer, in violation of the Integrity Pact entered into with Buyer has the potential to harm the overall business of Buyer/ Owner.

Note- Once Buyer considers that a Breach of contract has occurred on the part of Supplier, Buyer shall notify the Supplier by way of notice in this regard. Supplier shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

In case the Supplier fails to remedy the breach, as mentioned in the notice, to the satisfaction of Buyer, Buyer shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of Contract.

Remedies in case of Breach of Contract:

- I. Wherein the period as stipulated in the notice issued under clause no. 25.1 above has expired and Supplier has failed to remedy the breach, Buyer will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to Supplier.
- II. Upon termination of contract, Buyer shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Supplier. This amount shall be recovered by way of encashing the security instruments like EMD, Performance Security etc. available with Buyer against the said contract.
- III. Wherever the value of security instruments like EMD, Performance Security available with BHEL-PEM against the said contract is 10% of the Contract Value or more, such security instruments to the extent of 10% Contract Value will be encashed.
- IV. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered from other financial remedies i.e. available bills of the Supplier, retention amount, from the money due to the Supplier etc. with BHEL-PEM.
- V. In case the amount recovered under clause no. IV above is not sufficient to fulfil the amount recoverable then the 10% of the contract value or the balance amount, as the case may be, will be recovered from any money(s) payable to Supplier under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD.
- VI. In case the amount recovered under clause no. IV & V above is not sufficient to fulfil the amount recoverable then; a demand notice to deposit the balance amount within 30 days shall be issued to the Supplier.
- VII. If Supplier fails to deposit the balance amount within the period as prescribed in demand notice, Legal action shall be initiated for recovery against the defaulted Supplier.
- VIII. It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that Buyer would incur in completion of balance contractual obligation of the contract through any other agency and Buyer will not be required to furnish any other evidence to the Supplier for the purpose of estimation of damages.
- IX. However, Supplier shall continue performance of the Order/ Contract, under all circumstances, to the extent not cancelled.
- X. In addition to the above, imposition of Liquidated Damages, Debarment, Termination, De-scoping, Short-closure, etc., shall be applied as per provisions of the Contract.

31. The offers of the bidders who are on the debarred list (list of debarred firms available on <https://tenders.bhel.com/tenders> & https://pem.bhel.com/Bhel_vendor_section.aspx) and also the offers of the bidders, who engage the services of the debarred firms, shall be rejected.

32. The Bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <https://www.bhel.com/sites/default/files/fraud-prevention-policy-1474687435.pdf> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

33. Bidders to note the following w.r.t. Price Format:

- a) Bidder to quote non-zero Freight charges in percentage (%) of their quoted Total Ex-Works prices.
- b) Bidders to mention applicable GST rate on (total ex-works + freight) in the specified cells of price schedule. However, may please note that GST shall not be considered in the evaluation.
- c) For better clarity to the bidders where value/details are to be filled is kept open in price form at e-procurement portal and for other columns it is locked.
- d) Main item/Accessories wise breakup of unit price (in Rs.) to be indicated by bidder against each of the accessories (details of the accessories to be added by the bidder) required for completion of equipment. Main item/accessories wise price break up indicated shall add to 100% of the unit price (in Rs) quoted for the equipment.
- e) Incomplete/late offers shall not be considered.

34. BILL TO/ SHIP TO ADDRESS:
BILL to:

BHARAT HEAVY ELECTRICALS LIMITED, POWER SECTOR - PROJECT ENGINEERING MANAGEMENT, BHEL SADAN, PLOT NO.25, SECTOR-16A, NOIDA-201301, U.P., INDIA

(GST Registration No. of BHEL-PEM, Noida is as below-
GSTIN(Migrated)- 09AAACB4146P2ZC
State- Uttar Pradesh)

SHIP to (Delivery Address):

Construction Manager - BHEL site office
Unit-V, Sagardighi Thermal Power Project P.O. Manigram,
District - Murshidabad, PIN:742237, West Bengal, India

Note: Place of Supply/ Services rendered shall necessarily be mentioned as Uttar Pradesh-09 in Tax Invoice/e-Invoice.

35. Demonstration & Handing over charges shall be as per Annexure-I of SECTION-II of Technical Specification No. PE-TS-445-556-E002B, REV. 00 Rev. 0. These are Fixed charges and will not be considered for evaluation. Separate PO for Demonstration & Handing over charges shall be placed.

36. Bidders have to note that Deviations from NIT are generally not acceptable. Deviations, if any, are to be listed out clearly, as per Annexure-II, of GCC Rev 07, in techno-commercial offer. Any deviation mentioned or shown separately or found hidden in offer, will not be taken cognizance of.

In case of deviations from NIT, the bidder shall give the cost of withdrawal of such deviation in Price Bid, as per Annexure-II, Deviation Sheet (Cost of Withdrawal) of GCC Rev-07. For multiple deviations, all deviations are to be mentioned in "Deviation Sheet" and "cost of withdrawal" must be mentioned separately against each deviation.

37. Bidders to note that offers shall be submitted strictly in accordance with the requirements of tender documents. Bidders shall upload their complete offer meeting the requirements of the tender documents on e-procurement portal <https://eprocurebhel.co.in/nicgep/app>.

1. Techno-Commercial Offer – Part 1:

- Acceptance of GCC Rev. 07 & its Corrigenda 01,02 & 03
(Link: https://pem.bhel.com/Bhel_vendor_section.aspx)
- Copy of this letter duly signed & stamped on each page as token of acceptance of all terms & instructions conveyed
- Un-Priced price format duly filled in 'Quoted' or 'Q' and required details **Annexure E**
- Technical & Commercial Deviations, if any along with Cost of withdrawal in Annexure-II of GCC Rev 07
- Technical PQR documents
- Local Content Certification in line with Make in India circular: as per **Annexure F**
- Land Border Certification: as per **Annexure G**
- Conflict of interest: as per **Annexure H**
- Declaration by MSE suppliers along with Udyam certificate: as per **Annexure I**
- Declaration regarding Insolvency/Liquidation/Bankruptcy proceedings: as per **Annexure J**

2. Price Bid (Part 2 - with price details) on e-procurement portal in Priced section only - <https://eprocurebhel.co.in/nicgep/app>

38. Bidders participating in subject tender will necessarily have to buy class III DSCs (Digital Signature Certificate) issued by the certifying authorities in India. Refer following webpage "<https://eprocurebhel.co.in/nicgep/app>" for participating in tender enquires through e-procurement.

39. If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in e-Procurement (NIC portal), in that case bidder(s) shall only be responsible for such mistake and any consequences thereof. Hence all bidders are requested to be more careful at the time of uploading the Unpriced and Price Bid for Part-I and Part-II respectively to avoid mismatch.

40. All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL website only (<https://eprocurebhel.co.in>) under subject tender reference. Bidders are requested to visit our website from time to time to keep themselves updated. Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender. For Bidders' convenience, the Helpdesk Nos. of E-Procurement (NIC) Portal is available at website i.e. <https://eprocurebhel.co.in>.

41. It shall be the responsibility of the Supplier to ensure that the tender complete in all respects is uploaded on or before the due date and time. Incomplete/late offers shall not be considered.

42. Payment of detention charges shall be as per **Annexure K**.

43. LR/RR date for indigenous supplies shall be treated as the date of dispatch for delay analysis and levying LD. Deduction of LD from vendor bills shall be on proportionate basis. However, it shall be vendor's responsibility to ensure material receipt at site for indigenous supply within maximum validity of E-waybill as per extant Government GST Law.

44. Pre-bid meeting details: All the bidders to note that a Pre-Bid Meeting is scheduled for subject tender through webex platform on 17.07.2026 @03:00 PM.

Meeting link:

<https://bhel.webex.com/bhel/j.php?MTID=m904953bc813b4e2d92e5c5ef913dc767>

or

<https://bhel.webex.com/wbxmjs/joinervice/sites/bhel/meeting/download/c861dbe4e8214678b9804463c512696d?MTID=m904953bc813b4e2d92e5c5ef913dc767>

Join by meeting number:

Meeting number (access code): 2510 432 7856

Meeting password: i7hMQtB9tA6 (47467829 from phones and video systems)

Join by phone

+65-6703-6949 Singapore Toll

[Global call-in numbers](#)

Join from a video system or application

Dial 25104327856@bhel.webex.com

You can also dial 210.4.202.4 and enter your meeting number.

45. TERMS OF DELIVERY: Terms of delivery shall be F.O.R. dispatch station

46. REGISTRATION IN BHEL-PEM

For bidders (who are not registered with BHEL-PEM) - Online registration portal is operational, Non-registered Vendors who wish to apply for registration in BHEL-PEM get themselves registered in BHEL-PEM as a "Regular Supplier". Regular Suppliers for the package are informed about the floated tender enquiries by BHEL-PEM. Suppliers to apply online through registration portal available at <https://supplier.bhel.in/> All credentials and/or documents duly signed and stamped related to registration can be uploaded & submitted online through the website.

47. GeM Seller ID shall be mandatory before placement of order/award of Contract to the successful Supplier.

48. Overall (%) quantity variation:

For Main Supply: NIL

For Demonstration & Handover: max. 03 man-days

49. CONTACT PERSON DETAILS DURING TENDER & PRE-AWARD STAGE:

1. (DE1/DA1)	2. DE2/DA2
Name: Manju Sharma Deptt: PG II Address: BHARAT HEAVY ELECTRICALS LIMITED, PS-PEM, BHEL SADAN, PLOT NO.25, SECTOR-16A, NOIDA-201301, U.P., INDIA Phone: (Landline/ Mobile): 6396458755 Email IDs: manju_s@bhel.in	Name: Dheeraj Singh Deptt: PG II Address: BHARAT HEAVY ELECTRICALS LIMITED, PS-PEM, BHEL SADAN, PLOT NO.25, SECTOR-16A, NOIDA-201301, U.P., INDIA Phone: (Landline/ Mobile): 9540939726 Email IDs: dheerajsingh@bhel.in

50. CONTACT PERSON DETAILS DURING POST-AWARD/CONTRACT STAGE:

1. (DE1/DA1)	2. DE2/DA2
Name: Devendra Singh Deptt: PG II Address: BHARAT HEAVY ELECTRICALS LIMITED, PS-PEM, BHEL SADAN, PLOT NO.25, SECTOR-16A, NOIDA-201301, U.P., INDIA Phone: (Landline/ Mobile): 7503632335 Email IDs: DEVENDRA.SINGH@BHEL.IN	Name: Haseen Ahmed Deptt: PG II Address: BHARAT HEAVY ELECTRICALS LIMITED, PS-PEM, BHEL SADAN, PLOT NO.25, SECTOR-16A, NOIDA-201301, U.P., INDIA Phone: (Landline/ Mobile): 9871116747 Email IDs: HASEENAHMED@BHEL.IN

51. BHEL remains steadfastly committed in ensuring the smooth and timely processing of supplier payments. To further strengthen our partnership and enhance transparency, pls find below the escalation matrix for payment-related queries. If a payment concern is there, pls escalate the matter in following order:

Level	Authority	Contact e-mail id	Contact No.
Level 1	Dealing Officer	Mr. Devendra Singh/ PG-II Mail ID: Devendra.singh@bhel.in	7503632335
Level 2	Nodal Officer	Ms. Manju Sharma (for PG II projects); manju_s@bhel.in	6396458755
Level 3	Appellate Authority 1	Mr. Haseen Ahmed (SH/PG-II) Mail ID: haseenahmed@bhel.in	9871116747
Level 4	Appellate Authority 2	Mr. I P Singh (DH/PG-II) Mail ID: indra.pal.singh@bhel.in	9818989654

52. GRIEVANCE REDRESSAL MECHANISM

To promote transparency and ensure fair treatment of all Suppliers, a structured Grievance Redressal Mechanism is in place to address any concerns or issues arising during the tendering process or in subsequent business dealings with the company. Suppliers/Suppliers are requested to follow the below escalation process for grievance resolution:

1. First Level: Any grievance should initially be addressed to the designated Dealing Officer, whose contact details are provided at sl. no. 49 & 50.
2. Second Level: If the issue remains unresolved, it may be escalated by lodging a formal grievance through the BHEL SUVIDHA Portal: <https://suvidha.bhel.in/suvidha/>. Responses will be provided in accordance with the defined escalation matrix.

53. At Sl.no. 17 of ITB of GCC Rev.07, "Base rate of SBI on the date of bid opening, (Techno-commercial bid, in case of 2-part bids) + 6%" may be read as "Repo Rate on the date of bid opening, (Techno-commercial bid, in case of 2-part bids) + 4%".

54. All other terms and conditions shall be as per NIT letter, GCC Rev. 07 and Corrigenda 01, 02 & 03 to GCC Rev 07. In the event of any contradiction in the terms and conditions mentioned, the order of preference shall be as mentioned in clause no. 36 of GCTC of GCC Rev. 07.

Note - In case you are not making an offer against this enquiry, you are requested to send a regret letter so as to reach us on or before the due date

Thanking You.

For and on behalf of BHEL

Dheeraj Singh

Sr. Manager/ PG II/ PEM Noida

Digitally signed by Dheeraj Singh
DN: cn=Dheeraj Singh, o=BHEL,
ou=PEM,
email=dheerajsingh@bhel.in, c=IN

PACKAGE: ELECTRIC LAB EQUIPMENT PROJECT: 1 X 660 MW WBPCL SAGARDIGHI EXTN UNIT V ENQUIRY NO.77/26/6088/MAN , dtd.14.07.2026															
PRICE SCHEDULE															
S. No.	EQUIPMENT DESCRIPTION	MAKE	MODEL	Quantity	UOM	Unit Price of Equipment (MAIN ITEM + ACCESSORIES) (Ex-Works) INR	Description of Main item & Associated Accessories required for completion of Equipment	Breakup of Unit Price of Main item & Associated Accessories (In INR) (Refer Note 2)	TOTAL PRICE (EX-WORKS) (INR)	FREIGHT @ ____% OF TOTAL EX-WORKS	FREIGHT CHARGES EXCLUDING GST (INR)	Applicable GST rate @__% (on "Total EX-WORKS + FREIGHT")	GST TYPE(IGST/CGST+SGST/UTGST)	GST Charges (on "Total EX-WORKS + FREIGHT") (INR)	TOTAL F.O.R. SITE PRICE (INR)
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	CIRCUIT BREAKER ANALYSER	MEGGER	TM1800	1	No.	0.00	MAIN ITEM		0.00		0.00			0.00	0.00
							ACCESSORY-1								
							ACCESSORY-2								
							ACCESSORY-3								
							ETC								
NOTES :									0.00		0.00			0.00	0.00
1. Equipment to be supplied along with essential accessories for successful operation of equipment at site .i.e. Modules, SDRM, cables, transducers, clamps, clips, leads ,carrying case etc.															
2.Main item/Accessories wise breakup of unit price (in Rs.) to be indicated by bidder against each of the accessories (details of the accessories to be added by the bidder) required for completion of equipment. Main item/accessories wise price break up indicated shall add to 100% of the unit price (in Rs) quoted for the equipment. Bidders to fill the prices in column 'I' the Column "G" shall auto populate as sum of prices in column 'I'.															
3. All equipments shall be supplied with valid calibration certificate, wherever applicable.															

Annexure II : DEVIATION SHEET (COST OF WITHDRAWAL)

PROJECT:-

1 X 660 MW WBPDCS SAGARDIGHI EXTN UNIT V
--

PACKAGE :-

ELECTRIC LAB EQUIPMENT

TENDER ENQUIRY :-

77/26/6088/MAN, dated 14.07.2026

NAME OF THE BIDDER

[illegible]

All Notes shall be as per GCC Rev. 07

	1x660MW SAGARDIGHI TPS PRE-QUALIFICATION REQUIREMENTS FOR ELECTRICAL LAB EQUIPMENT	DOC. NO. PE-PQ-445-556-E002
		REVISION NO. 0 DATE 06.07.2026
		SHEET NO. 1 OF 1

ITEMS: Electrical Lab Equipment for Metering, Measuring, Testing, Calibrating & Diagnostic

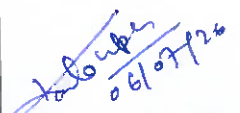
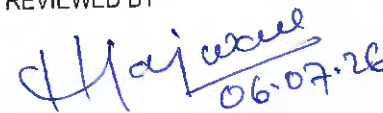
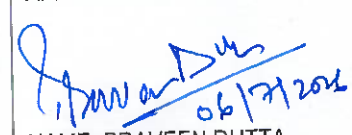
SCOPE: Supply: YES; Erection & Commissioning : NO;

1	Vendor can be either OEM (Original Equipment Manufacturer) or Supplier of Electrical Lab equipment.
2	Vendor should have supplied Electrical Lab equipment to process plant/ refinery/ power plant/ nuclear plant/ testing Lab.
3	Vendor should be in business of supplying Electrical Lab equipment for at least last two (2) years from the date of techno commercial bid opening.
4	Minimum two nos. purchase orders for Electrical Lab equipment shall be submitted which should not be more than 5 years old from the date of techno-commercial bid opening for establishing continuity in business.
5	Vendor should have in-house capability to carry out testing of equipment. In case testing facility is not available with the vendor, testing can be conducted at Govt. lab/ Govt. approved independent Lab.

NOTES-

1. Consideration of offer shall be subject to customer's approval of bidders, if applicable.
2. Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.
3. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
4. After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.



PREPARED BY  NAME: MANJU BHATNAGAR DESIGNATION: MGR.	CHECKED BY  NAME: KAVITA GUPTA DESIGNATION: DGM	REVIEWED BY  NAME: NARENDRA NATH JAJWARE DESIGNATION: DGM	APPROVED BY  NAME: PRAVEEN DUTTA DESIGNATION: DH (ELECT.)
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VENDOR CREDENTIALS SUMMARY SHEET
(TO BE FILLED BY BIDDER AND SUBMITTED WITH BID)

i.	Item/Scope	Electric Lab Equipment		
ii.	Address of the registered office	Details of Contact Person (Name, Designation, Mobile, Email)		
iii.	Name and Address of the proposed vendor's works where item is being manufactured	Details of Contact Person: (Name, Designation, Mobile, Email)		
iv.	Annual Production Capacity for proposed item			
v.	Annual production for last 3 years for proposed item			
vi.	Details of proposed works			
1.	Year of establishment			
2.	Factory Registration Certificate			
3.	Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc.)			
4.	After sales service set up in India, in case of foreign sub-vendor (Location, Contact Person, Contact details etc.)	Applicable / Not applicable		
5.	Sources of Raw Material/Major Bought Out Item			
6.	Quality Control exercised during receipt of raw material/BOI, in-process, Final Testing, packing			
7.	Manufacturing facilities			



VENDOR CREDENTIALS SUMMARY SHEET

(TO BE FILLED BY BIDDER AND SUBMITTED WITH BID)

	(List of machines, special process facilities, material handling etc.)				
8.	Testing facilities (List of testing equipment)				
9.	Supply reference list including recent supplies (Preferably of reputed, well known clients to whom the vendor has supplied the material and are of quantum of item/scope at point (i) above)	Details of earlier supplied and received satisfactory Performance Certificates from other State /central PSU in industrial projects			
Project/ package	Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date	Supplied Quantity	Date of Supply
10.	Product satisfactory performance feedback letter/certificates/End User Feedback				
11.	Average annual turnover for last three years with documentary proof.				



VENDOR CREDENTIALS SUMMARY SHEET
(TO BE FILLED BY BIDDER AND SUBMITTED WITH BID)

12.	Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product (similar or higher rating)Note:- Reports need not to be submitted	Applicable / Not applicable
13.	Copy of ISO 9001 certificate(if available)	
14.	Product technical catalogues for proposed item (if available)	

Name		Desig		Sign:		Date	
						:	

Company's Seal/Stamp:-

	1 X 660 MW SAGARDIGHI TPS TECHNICAL SPECIFICATION FOR ELECTRICAL LABORATORY EQUIPMENT (CIRCUIT BREAKER ANALYSER)		Doc. No. PE-TS-445-556-E002B	
			Volume	II B
			Section	I
	SPECIFIC TECHNICAL REQUIREMENTS		Rev. : 00 DATE-06.07.2026	

3.0 DRAWING & DOCUMENTS TO BE SUBMITTED

3.1 Following documents/drawings for each Electrical Laboratory Equipment shall be submitted after placement of order for BHEL & customer's approval:

DOCUMENTATION REQUIREMENT						
DRAWINGS & DOCUMENTS TO BE SUBMITTED AFTER AWARD OF CONTRACT:						
BHEL Drawing No.	Drawing Title	Primary/ Secondary	Vendor submission (Days)*	BHEL & Customer comment/ approval (Days)	Vendor submission (Days)#	BHEL & Customer comment/ approval (Days)
PE-V0-445-556-E001B	Data sheet/GA of equipment with detailed BOM	Primary	11	8	8	18
PE-V0-445-556-E002B	Catalogue of equipment	Primary	11	8	8	18
PE-V0-445-556-E003B	Quality plan for CB Analyser	Secondary	Within 30 days after approval GA/Data Sheet of respective item. Resubmission within 8 days from BHEL comments			
PE-V0-445-556-E004B	O & M Manual	Secondary				
PE-V0-445-556-E005B	Bill of Material	Secondary				
PE-V0-445-556-E003B	Calibration /TC	Secondary	Submission for issuance of MDCC. Resubmission within 8 days from BHEL comments.			
NOTES:						
a) * 1st submission within indicated days from date of purchase order.						
b) # Submission (within indicated days) after incorporating all BHEL comments.						
c) Primary documents shall be considered for Delay analysis						

3.2 To be submitted with the bid as technical offer:

- Compliance to Technical details of equipment as specified in Annexure-A of Section-I
- Technical leaflets/ Catalogues/Product Manual of the Equipment
- Datasheet-B (Annexure-B)

3.3 Bidder to furnish all user instruction manuals, maintenance, handling, installation manuals & all test reports complete in all respect in bound volumes & soft copies to BHEL / BHEL's customer at the time of handing over the same to BHEL / BHEL's Customer.

3.4 Instruction manual/ O&M manual : The manual shall clearly indicate in English the installation and connection method, check list of the tests to be carried out before commissioning of equipment. Maintenance and Calibration method shall also be provided in the manual.

3.5 Bidder to note that quoted item cost shall include cost of main item, cost of all accessories required for successful operation of equipment and testing cost of all equipment test as per relevant standard.

PACKAGE: ELECTRICAL LAB EQUIPMENT
PROJECT: 1 X 660 MW WBDCL SAGARDIGHI EXTN UNIT V
ENQUIRY NO.77/26/6088/MAN, dtd.14.07.2026

ANNEXURE E

PRICE SCHEDULE

S. No.	EQUIPMENT DESCRIPTION	MAKE	MODEL	Quantity	UOM	Description of Main item & Associated Accessories required for completion of Equipment	QUOTED/NOT QUOTED	FREIGHT @ ____% OF TOTAL EX-WORKS	Applicable GST rate @____% (on "Total EX-WORKS + FREIGHT")	GST TYPE(IGST/CGST+SGST/UTGST)
1	CIRCUIT BREAKER ANALYSER	MEGGER	TM1800	1	No.	MAIN ITEM		____%	____%	IGST/CGST+SGST/UTGST
						ACCESORY-1				
						ACCESSORY-2				
						ACCESSORY-3				
						ETC				
NOTES :										

1. Equipment to be supplied along with essential accessories for successful operation of equipment at site .i.e. Modules, SDRM, cables, transducers, clamps, clips, leads ,carrying case etc.

2.Main item/Accessories wise breakup of unit price (in Rs.) to be indicated by bidder against each of the accessories (details of the accessories to be added by the bidder) required for completion of equipment. Main item/accessories wise price break up indicated shall add to 100% of the unit price (in Rs) quoted for the equipment.

3. All equipments shall be supplied with valid calibration certificate, wherever applicable.

Annexure II : DEVIATION SHEET (COST OF WITHDRAWAL)

PROJECT:-	1 X 660 MW WBPDCS SAGARDIGHI EXTN UNIT V
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PACKAGE :-	ELECTRICAL LAB EQUIPMENT
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TENDER ENQUIRY :-	77/26/6088/MAN, dtd.14.07.2026
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NAME OF THE BIDDER	
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Sl. No.	Volume/ Section	Page No.	Clause No.	Technical Specification/Tender Document No	Complete Description of Deviation	Cost of withdrawal of deviation	Reference of price Schedule of which Cost of Withdrawal of Deviation is applicable	Nature of cost of withdrawal of deviation (Positive/Negative)	Reasons for quoting deviation
1	TECHNICAL DEVIATION					QUOTED/NOT QUOTED			
1.01						QUOTED/NOT QUOTED			
1.02						QUOTED/NOT QUOTED			
1.03						QUOTED/NOT QUOTED			
1.04						QUOTED/NOT QUOTED			
1.05						QUOTED/NOT QUOTED			
2	COMMERCIAL DEVIATION					QUOTED/NOT QUOTED			
2.01						QUOTED/NOT QUOTED			
2.02						QUOTED/NOT QUOTED			
2.03						QUOTED/NOT QUOTED			
2.04						QUOTED/NOT QUOTED			
2.05						QUOTED/NOT QUOTED			

All Notes shall be as per GCC Rev. 07

MAKE IN INDIA**Subject: - CERTIFICATION REGARDING LOCAL CONTENT****Reference: GeM Bid No.****Description of item(s):**

We hereby certify that the quoted items offered by us against above Enquiry No. is having local content of% .

Further, to certify that the local content % certified above is in line with definition of Local content given in point no 2 of Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 and we qualify as **Class –.....** (Class-I/ Class-II/Non-Local Supplier - as applicable) local supplier.

We further confirm that details of location at which the local value addition is made is at
..... (Supplier's / OEM's Manufacturing works)

Country of Origin from OEM:

(For items sold by Supplier as reseller, OEM certificate for Country of Origin to be submitted.)

We confirm the following for the current tender:

- (1) Repackaging/ Refurbishment/ Rebranding of imported products has not been considered for calculation of local content or Domestic Value Addition (DVA).

That the cost of imported items sourced locally from resellers/ distributors and cost of license/royalty paid/technical expertise cost etc. source from outside of India has been excluded from the local content, as mentioned in 2(d) of PPP-MII order Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 issued by DPIIT.

- (2) For contracts involving supply of multiple items, weighted average of all items has been taken while calculating the local content.
- (3) We understand, for this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local Supplier/ Non-local supplier and purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.
- (4) We understand that we have to give a self-certification regarding local content wherever the tender value is up to INR 10 crores. In case, the tender value is more than INR 10 Crores, we shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. In both the cases, the certification has to be provided by us during bid submission.
- (5) We also understand, false declaration will be in breach of Code of Integrity under the rule 175(1)(i)(h) of the General finance rules for which the Supplier or its successors can be debarred for up to two years as per Rule 151(iii) of the General Finance Rules along with such other actions as may be permissible under the law.

- (6) That in case we are the successful Supplier and the contract value of the order awarded to us is more than INR 10 crores, we will provide local content certification duly certified by cost/ chartered accountant in practice during execution of the contract. That a penalty up to 10% of the contract value may be imposed on us during execution, in case we do not meet the stipulated local content during the execution of the contract. We are also aware that the contract awarded to us will not be terminated on this account.
- (7) We hereby declare that the details furnished above are true and correct to the best of our knowledge and belief and we undertake to inform you of any changes therein, immediately. In case any of the above information is found to be false or untrue or misleading or misrepresenting, we are aware that we may be held liable for it.

Thanking you,
Yours faithfully,

**(Signature, Date & Seal of
Authorized Signatory of the Supplier)**

Note: Suppliers to note that in case above certification given by a Supplier, whose bid is accepted, is found to be false, then this would be a ground for penal action and for taking further action in accordance with law and as per extant guidelines.

DECLARATION REGARDING COMPLIANCE TO RESTRICTIONS UNDER RULE 144 (xi) OF GFR 2017

(To be typed and submitted in the Letter Head of the Entity/ Firm providing certificate as applicable)

TO WHOMSOEVER IT MAY CONCERN

TO

BHARAT HEAVY ELECTRICALS LTD.
POWER SECTOR - PROJECT ENGINEERING MANAGEMENT (PS- PEM)
3rd Floor, BHEL-SADAN,
PLOT NO. 25, SECTOR-16-A,
NOIDA-210-301 (U.P.)

Sub: Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017

Ref: OM dtd. 23.02.2023 of Department of Expenditure, Ministry of Finance, Govt. of India

GeM Bid No.

Description of item(s):

I have read the clause regarding restrictions on procurement from a Supplier of a country which shares a land border with India, as per OM dtd. 23.02.2023 of Department of Expenditure, Ministry of Finance, Govt. of India. I certify that _____ (**SPECIFY THE NAME OF THE ORGANIZATION HERE**), is not from such a country/ has been registered with the Competent Authority (*attach valid registration by the Competent Authority, i.e., the Registration Committee constituted by the Dept. for Promotion of Industry and Internal Trade (DPIIT).*

I hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

Thanking you,
Yours faithfully,

(Signature, Date & Seal of
Authorized Signatory of the Supplier)

Note: Suppliers to note that in case above certification given by a Supplier, whose bid is accepted, is found to be false, then this would be a ground for penal action and for taking further action in accordance with law and as per extant guidelines.

UNDERTAKING FOR CONFLICT OF INTEREST*(To be typed and submitted in the Letter Head of the Supplier)*

Ref : 1) GeM Bid No. & Date:

Treatment of Cases Regarding Conflict of Interest:

The Supplier notes that a conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations:

- i) If its personnel have a close personal, financial, or business relationship with any personnel of BUYER who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BUYER directly or indirectly;
- ii) The Supplier (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;
- iii) Procurement of goods directly from the manufacturers/ suppliers shall be preferred. However, if the OEM/ Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorised distributor (with/ or without the OEM). from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- iv) A Supplier participates in more than one bid in this tender process. Participation in any capacity by a Supplier (including the participation of a Supplier as a partner/ JV member or sub-Supplier in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-Supplier in more than one bid if he is not bidding independently in his own name or as a member of a JV.

The Supplier declares that they have read and understood the above aspects, and the Supplier confirms that such conflict of interest does not exist and undertakes that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Supplier(s), in this regard. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. **In case, the Supplier is found having indulged in above activities, the same will be considered as a violation of the tender conditions, and suitable action shall be taken by the BUYER as per extant policies/ guidelines.**

(Signature, Date & Seal of
Authorized Signatory of the Supplier)

Ref : 1) GeM Bid No. & Date:

DECLARATION BY MSE SUPPLIERS REGARDING OWNERSHIP STRUCTURE
ALONG WITH UDYAM CERTIFICATE

Any Supplier falling under MSE category shall furnish the following details & submit documentary evidence/ Govt. Certificate etc. in support of the same along with their techno-commercial offer:

Type under MSE	SC/ST Owned	Women Owned	Others (excluding SC/ST & Women Owned)
Micro			
Small			

(Signature, Date & Seal of Authorized Signatory of the Supplier)

UNDERTAKING

(To be typed and submitted in the Letter Head of the Company/Firm of Supplier)

To

BHARAT HEAVY ELECTRICALS LTD.
POWER SECTOR - PROJECT ENGINEERING MANAGEMENT (PS- PEM)
3rd Floor, BHEL-SADAN,
PLOT NO. 25, SECTOR-16-A,
NOIDA-210-301 (U.P.)

Dear Sir/Madam,

Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

Ref: GeM Bid No:

I/We, _____ declare that,

I/We am/are not admitted under insolvency resolution process or liquidation under Insolvency and Bankruptcy Code, 2016, as amended from time to time or under any other law as on date, by NCLT or any adjudicating authority/authorities.

**Sign. of the AUTHORISED SIGNATORY
(With Name, Designation and Company seal)**

Place:

Date:

ANNEXURE K

GUIDELINES FOR PAYMENT OF DETENTION CHARGES FOR PEM'S BOIs

- 1) Detention charges shall be paid extra if the vehicles are not unloaded/ released beyond free period owing to reasons attributable to BHEL/Customer site. 'free time' and detention charges shall be as follows:

Sl. No.	Vehicle type	Free time in days	Detention charges per day (Rs.)
i	ICV/LCV/HCV/Truck/ Multi-axle vehicle. Open body	3	1000
ii	Mechanical Trailers up to 28T	3	1200
iii	Mechanical Trailers above 28T	3	1500

- 2) Free Time (in days) includes the day of arrival at Halt station but excludes the day of exit.
3) If the reporting period happened to be Sundays & Holidays, then the next working day will be considered as date of reporting of vehicle.
4) Total detention charges shall be limited to 50% of basic freight charges (at actual limited to the value mentioned in PO/ Contract) of respective consignment.

5) **Illustration of Calculation of Detention Days:**

If the vehicle reached the site for unloading and made IN entry on 01.01.2026, then free period (3 days) will be up to 03.01.2026. If the Exit Entry of vehicle is made on 06.01.2026, then detention will be calculated excluding 06.01.2026 and free period (3 days) and two days will be eligible for detention.

6) **Payment of Detention Charges**

Detention charges at unloading point at sites shall be paid based on Gate entry at site with certification duly signed and stamped by BHEL Site MM site personnel. In case the vehicle reached at site and the site security/ site officials are not allowing the vehicle to enter the site., the date of arrival of vehicle at site, based on GPS report (GPS report should have vehicle details to ensure genuineness) will be considered as the date of reporting at site for calculation of detention charges duly certified BHEL site MM personnel. For claiming detention charges against GPS report, vendor to immediately intimate through mail to concerned PEM's Purchase personnel along with GPS report. Supporting document such as RC of vehicle shall be submitted along with the invoice for authentication of vehicle type.

No detention charges shall be payable, if the delay in receipt & unloading of the materials at site is attributable to the transporter.

PEM/PG-I BHEL, NOIDA
SPECIAL CONDITIONS OF CONTRACT (REV.00) DATED 28-04-2021
1X 660 MW SAGARDIGHI TPP EXTENSION UNIT 5



These Conditions shall be read and construed along with General Condition of Contract enclosed along with the tender enquiry. In case of any conflict or inconsistency, the condition given in special condition of contract shall prevail over the general condition of the contract and its corrigenda, if any.

- 1.0 **Project Name** : Sagardighi Thermal Power Extension Project Phase- III, Unit 5 [1X660MW, Supercritical]
- 2.0 **Customer** : West Bengal Power Development Corporation Limited.
- 3.0 **Consignee-Ship to Address {to be mentioned in LR/RR, consignment note}** : Construction Manager-BHEL Site office Unit-V
Sagardighi Thermal Power Project
P.O. Manigram,
District - Murshidabad, PIN:742237, West Bengal, India
- 4.0 **Consignee/Buyer's Name (Bill To) To be mentioned in Supplier's Invoice** : For Supply Packages: (Purchase order by BHEL-PEM):
Bharat Heavy Electricals Limited
Power Sector – Project Engineering Management
PPEI Building, Plot No.25, Sector-16A,
Noida-201301 (Uttar Pradesh)
GSTIN No. – 09AAACB4146P2ZC

For Turnkey Packages: (LOA by BHEL-PEM and PO by BHEL-PSER, Sagardighi site):
Construction manager, BHEL Site office,
1X660 MW WBPDCS SAGARDIGHI TPP EXTENSION UNIT 5
P.O. Manigram, District - Murshidabad, PIN:742237, West Bengal, India
BHEL PSER GSTIN No.- 19AAACB4146P1ZC
- 5.0 **BHEL Site Office Address** : Construction Manager
BHEL site office Unit-V
Sagardighi Thermal Power Project
P.O. Manigram, District - Murshidabad, PIN:742237, West Bengal, India
- 6.0 **Customer Address** : Deputy General Manager (I/C projects)
Sagardighi Thermal Power Project
P.O. Manigram,
District - Murshidabad, PIN:742237, West Bengal, India
- 7.0 **Mode of Dispatch** : By Rail/Road on Door Delivery and freight Pre-Paid Basis.
Nearest Railway Station :- Manigram
- 8.0 **Road Permit/Way Bill Required** : Yes. Supplier to generate the e-waybill at their end and furnish the scanned copy of e-waybill along with dispatch document to BHEL immediately on dispatch. In case of default, supplier shall be held responsible.
- 9.0 **Project Consultant** : DCPL
- 10.0 **Material Inspection Procedure** : All equipment's/items under inspection category shall be sub categorized as follows:

CAT-A: QAP will be submitted to WBPDCS / DCPL for approval. Inspection activities will be jointly witnessed by BHEL QC / TPIA and WBPDCS/TPIA of WBPDCS as per approved QAP witness/hold points.

CAT-B: QAP will be submitted to WBPDCS / DCPL for approval. Inspection shall be carried out by BHEL QC/TPIA only.

CAT-C: These are non QAP items and shall be accepted by BHEL QC/ TPIA on the basis of review of manufacturer's test certificate / certificate of compliance (COC) / internal

PEM/PG-I BHEL, NOIDA
SPECIAL CONDITIONS OF CONTRACT (REV.00) DATED 07-01-2021
1X 660 MW SAGARDIGHI TPP EXTENSION UNIT 5



inspection report/ guarantee certificate etc. issued by the equipment manufacturer itself confirming all the technical and contractual requirements. For these items, submission of QAP and approval by WBPDCCL are not envisaged. However, quality of these items must be ensured through respective BHEL QC.

Vendor to give five (05) days advance notice for stage inspection and ten (10) days for final inspection.

Details for Inspection procedure involving the TPIA shall be intimated later by BHEL/ WBPDCCL.

- 11.0 **Clearance for Dispatch of materials** : MDCC will be issued by BHEL/WBPDCCL.
- 12.0 **Prior Dispatch intimation to BHEL Site Office and Underwriters** : YES
 NOTE :- One set consisting dispatch documents indicating the items dispatched (with their gross and net weights) and after informing the underwriters about the value of consignment and dispatch details to be sent to following
 a) BHEL Site Office
 b) BHEL- PEM, PPEI - Noida(U.P)
 c) Insurance Co.
 It is Vendor's responsibility to ensure availability of trucks well in advance where consignment will require more number of trucks to be deployed for dispatch. No concession for non-availability of trucks, after having given dispatch clearance shall be admissible.
- 13.0 **Transit Insurance** : By BHEL (vendor to intimate the underwriters quoting the insurance policy no. as below)
- 14.0 **Insurance Policy No. For intimation to Underwriters (Contact Person)** : Policy details and number shall be informed later
- 15.0 **a. Customer GST No.** : 19AABCT3027C1ZQ
b. BHEL-PEM GST No. : 09AAACB4146P2ZC
c. BHEL PSER GST No. : 19AAACB4146P1ZC
- 16.0 **Unloading at site** : BY BHEL site for supply packages.
 (The supplier shall give LR wise Gross Wt. Of the consignment for the purpose of handling the consignment by BHEL site loading/unloading Contractor.)
 By Vendor for turnkey packages (Scope consists of supply and Erection & Commissioning).

 NOTE: - Please note that unloading of materials at site shall take at least 3-4 days. As such, transporters to be advised suitably before dispatch of materials in this regard. Also, no claim on a/c of delay in unloading shall be entertained.
- 17.0 **Storage and handling at site** : By BHEL site for supply packages

 By Vendor for Turnkey packages* (Scope consists of supply and Erection & Commissioning).

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*Any shortages or damages during unloading and handling at site, including at the time of erection and commissioning, shall be made good by the Seller/ Contractor at his risk and cost, to meet the project schedule. In case of faults/ discrepancies in any material, component, sub-assembly, assembly, etc., the same shall be supplied/ replenished free of cost to enable the equipment to be put to service.

- | | | |
|------|--|--|
| 18.0 | Movement of Material within Site | : By BHEL/BHEL appointed agency for supply packages
By Vendor for Turnkey packages Scope consists of supply and Erection & Commissioning).
No movement of loose materials shall be allowed. Items are to be properly packed to ensure proper and safe transportation & storage at site. |
| 19.0 | Paying Authority | : For packages where PEM will issue the Purchase Order: BHEL PEM will be the paying authority.
For packages where PEM will issue only the LOA and Purchase Order shall be issued by PSER: BHEL Sagardighi Site /PSER will be the paying Authority. |
| 20.0 | Documents Required (for supply + freight payment) | : As per NIT |
| 21.0 | Documents Required (for MRC payment) | : As per NIT |
| 22.0 | Material Certificate(MRC) | : Responsibility to obtain MRC from customer at site
a) For Supply Packages:- For supply packages BHEL- PEM will arrange MRC from BHEL Site. However supplier/contractor shall provide support for verification of material at site, if required.
b) For Turnkey Packages:- By Vendor, where Supply/ Erection and commissioning is under Vendor's scope. |



- 23.0 Dispatch markings** : Each box shall be marked with Capital Letters in "Red" indicating : Main Supply OR Commissioning spare OR Mandatory Spare for 1X 660 MW SAGARDIGHI TPP EXTENSION UNIT 5, P.O. Manigram, District - Murshidabad, PIN:742237, West Bengal, India
Each package/Drum delivered under the Contract shall be marked by Supplier as per details listed below and such marking must be distinct and in English Language (all previous irrelevant markings being carefully obliterated) for purposes of identification.
Each and every box(package) shall be marked with following:-
1) Name and address of the consignee.
2) Project Reference.
3) Name of Supplier
4) P.O. reference no. along with package name.
5) Packing No. (1/10, 2/10, 3/10 when there are 10 packages for one consignment)
6) The Gross weight and net weight of the package.
Besides above necessary, packing shall bear a special marking "TOP", "BOTTOM", "DO NOT TURN OVER", "DEEP DRY", "HANDLE WITH CARE", etc.
IMPORTANT
• Two copies of respective standard manufacturer's erection instruction /operation manual shall be provided for immediate reference by BHEL site.
- The Copy of complete Packing list for the consignment must be put inside the Box/Boxes.
12 copies of supplier's Erection/ Instruction manuals to be given to the BHEL, PEM, PPEI-Noida and 3 copies to BHEL, PSER, Sagardighi site within 30 days of dispatch for handing over to Customer/BHEL site.
- Items like pumps, Valves, Hoists, Cranes, etc. shall essentially have O&M Manuals and E&C guidelines duly enclosed in the packing box.
- 24.0 Commissioning Spares** : The commissioning spares shall be properly packed separately in separate box and each spare shall be properly tagged giving details i.e. dispatch (to match the description given in the packing slip) to facilitate their proper identification. One Copy of Packing list must be put inside the Box.
- 25.0 Mandatory Spares** : Supplies of spares will be separate from main supply and separate manufacturing clearance shall be given for mandatory spares. The Mandatory spares shall be properly packed separately in separate boxes & boxes should be painted in red indicating Mandatory Spares in bold letters and each spare shall be properly tagged giving details i.e. item number of the equipment in line with the WBPDCI approved BBU for Mandatory spares & Number per item (to match the description given in the packing slip) to facilitate their proper identification by ultimate customer M/s WBPDCI. One Copy of Packing List must be put inside the BOX along with Manufacturing drawing no. reference, Catalogue reference etc.
- Note :-** MDCC for mandatory Spares shall be issued only after receipt of detailed list of mandatory spares & photographs before final packing clearly showing mandatory spares with due tagging as per packing list (to be sent over mail/CD). Separate dispatch clearance will be issued for the mandatory spares in line with availability of customer's stores at site.
- 26.0 Statutory Clearance and License (For turnkey packages)** : Bidder has to arrange and obtain all statutory clearances and required licenses at their own cost without any financial implication on BHEL.
- 27.0 Health, Safety and Environment (HSE) (For turnkey packages)** : The bidder will comply with HSE (Health, Safety & Environment) requirements of BHEL and follow all applicable Operational Control Procedures (OCPs) within quoted rate/ price.
Refer Document Number: HSEP:14-SGD Rev.: 02, DATE: 01.09.2020. Refer Document

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Title: Health, Safety and Environment Plan for Site Operation by Subcontractors for Sagardighi.

28.0 Responsibilities with regard to employment of Labour etc. (For turnkey packages)

: Recruitment of Local Labour:

Local labours shall be engaged for unskilled work. Preference may also be given for appointment of local people in semiskilled and skilled categories, if such suitable persons are available.

Labour Laws and Local Regulations:

The Contractor shall abide by the prevailing labour laws and shall have to obtain labour license from the appropriate authority as per the law at his cost and shall indemnify the Purchaser about his financial and other obligations arising out of labours/workers employed by him. On obtaining the labour license, the Contractor at appropriate time shall submit certified photocopy of the same to the Purchaser. The Contractor and its sub-contractor (s) shall possess valid PF & ESI Code.

Wages and Working Hours:

The Contractor shall pay rates of Wages and observe hours and conditions of labour not less favourable than those established for the trade or industry in the district where the work is carried out but not less than the applicable minimum wages or by machinery of negotiation or arbitration to which the parties are organizations of employers and trade union's representatives respectively of substantial proportions of the employers and workers engaged in the trade or industry in the district. In the absence of any rates of Wages, hours or conditions of labour so established the Contractor shall pay rates of wages and observe hours and conditions of labour which are not less favorable than the general levels of wages and hours and conditions observed by other contractor whose general circumstances in the trade or industry in which he is engaged are similar.

Contractor to furnish return of labour employed:

The Contractor shall, if required by the Engineer, deliver to the Engineer or to his office a return in such form and at such intervals as the Engineer may prescribe showing in detail category-wise number of classes of labour from time to time employed by the Contractor on the Site and such information respecting construction machinery as the Engineer may require.

The Contractor shall make his own arrangements for the engagement of all labour and provide on the Site in so far as the Contract otherwise provides, for the transport, housing, feeding and payment thereof.

The Contractor shall, so far as is reasonably practical, having regard to local conditions, provide on the Site, to the satisfaction of the Engineer an adequate supply of drinking and other water for the use of his staff and labour.

Other Requirements:

- a) The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulation or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor, or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his sub-contractor(s), agents of employees.
- b) The Contractor shall not give, barter or otherwise dispose of to any person or persons any arms or ammunition of any kind or permit the same as aforesaid.
- c) The Contractor shall in all dealings with labour in his employment have a due regard to all recognized festivals, days of rest and religious or other customs.

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- d) In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local municipal or sanitary authorities for the purpose of dealing with and overcoming the same.
- e) The Contractor shall at all times take all reasonable precautions to prevent any unlawful riotous or disorderly conduct by or amongst his employees and for the preservation of peace and protection of persons and property in the neighborhood of the Site against the same.
- f) The Contractor shall be responsible for observance by his sub-contractor(s) of the foregoing provisions.

Contractor shall deploy only qualified and experienced engineers/ supervisors. They shall have professional approach in executing the work.

The contractor's supervisory staff shall execute the work in the most professional manner in the stipulated time. Accuracy of work and aesthetic finish are essential part of this contract. They shall be responsible to ensure that the assembly and workmanship conform to dimensions and tolerances given in the drawings/instructions given by BHEL engineer from time to time.

The supervisory staff employed by the contractor shall ensure proper outturn of work and discipline on the part of the labour put on the job by the contractor. Also in general they should see that the works are carried out in a safe and proper manner and in coordination with other labour and staff employed directly by BHEL or other contractors of BHEL or BHEL 's client.

If at any time, it is found that the contractor is not in a position to deploy the required engineers/supervisors/workmen due to any reason, BHEL shall have the option to make alternate arrangements at the contractor's risk and cost.

29.0 Type of Project

Project Import Route (Non Mega)

30.0 Taxes and duties

- :
- i) Concessional Custom duty in line with the Essentiality certificate issued by customer shall be applicable for packages for which CIF content is available as per NIT.
 - ii) GST- CGST/SGST/IGST: as per GCC Rev 07 or further revisions of BHEL PEM GCC as applicable for the specific Tender enquiry.
 - iii) Vendor has to comply the BOCW norms

Information as per Annexure-1 shall be provided by supplier in the GST compliant invoice.

Vendor may collect TCS under section 206C(1H) of Income Tax Act,1961 if applicable In case, vendor collects TCS under section 206C(1H) of Income Tax Act,1961, following compliance is required.

- a) TAN and PAN of vendor should appear in all invoices/claims. Copy of TAN /TCS registration is to be submitted.
- b) Amount of TCS and Assessable value on which TCS has been calculated should be specified clearly in the invoice.
- c) You shall be required to submit certificate of TCS in Form no. 270 within 15 days from the due date for furnishing the statement of tax collected at the source.

In case, you do not collect TCS under section 206C(1H) of Income Tax Act, 1961, following declaration is to be submitted alongwith each invoice: -

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"I/We hereby declare that I/We are not required to collect TCS" under section 206C(1H) of Income Tax Act, 1961, on this bill.
In event of failure to comply with the provisions of the Act, or proper certificate not issued, or if tax collected but not remitted to the Government, or for any other reason and thereby causing loss to BHEL, the same shall be recoverable from the vendor with applicable interest.
Vendor shall comply with all statutory amendment/notifications in this respect

**31.0 Construction power &
Construction water**

Construction power shall be provided on free of charge. Construction water shall be provided free of cost. However, metering arrangement shall be established for measuring electricity & water consumption.

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ANNEXURE -1 TO SCC

Excerpts from Chapter VI for compliance of GST Invoice as per Rule 46
TAX INVOICE, CREDIT AND DEBIT NOTES

46. Tax invoice.- Subject to rule 54, a tax invoice referred to in section 31 shall be issued by the registered person containing the following particulars, namely,-
- (a) name, address and Goods and Services Tax Identification Number of the supplier;
 - (b) a consecutive serial number not exceeding sixteen characters, in one or multiple series, containing alphabets or numerals or special characters- hyphen or dash and slash symbolised as "-" and "/" respectively, and any combination thereof, unique for a financial year;
 - (c) date of its issue;
 - (d) name, address and Goods and Services Tax Identification Number or Unique Identity Number, if registered, of the recipient;
 - (e) name and address of the recipient and the address of delivery, along with the name of the State and its code, if such recipient is un-registered and where the value of the taxable supply is fifty thousand rupees or more;
 - (f) name and address of the recipient and the address of delivery, along with the name of the State and its code, if such recipient is un-registered and where the value of the taxable supply is less than fifty thousand rupees and the recipient requests that such details be recorded in the tax invoice;
 - (g) Harmonised System of Nomenclature code for goods or services;
 - (h) description of goods or services;
 - (i) quantity in case of goods and unit or Unique Quantity Code thereof;
 - (j) total value of supply of goods or services or both;
 - (k) taxable value of the supply of goods or services or both taking into account discount or abatement, if any;
 - (l) rate of tax (central tax, State tax, integrated tax, Union territory tax or cess);
 - (m) amount of tax charged in respect of taxable goods or services (central tax, State tax, integrated tax, Union territory tax or cess);
 - (n) place of supply along with the name of the State, in the case of a supply in the course of inter-State trade or commerce;
 - (o) address of delivery where the same is different from the place of supply;
 - (p) whether the tax is payable on reverse charge basis; and
 - (q) signature or digital signature of the supplier or his authorized representative:
- (r) Quick Reference code, having embedded Invoice Reference Number (IRN) in it, in case invoice has been issued in the manner prescribed under sub-rule (4) of rule 48".

	PREPARED BY	CHECKED BY	REVIEWED BY	APPROVED BY
Name:	TARUN ARYA	ASHUTOSH SHARMA	HASEEN AHMED	B. L. BEDI
Designation	DY MANAGER /PEM (PG I)	DY MANAGER /PEM (PG I)	SR. MANAGER /PEM (PG I)	AGM(DH)/ PEM (PG I&II)
Signature				
Date				

1 X 660 MW SAGARDIGHI TPS

VOLUME II B

**TECHNICAL SPECIFICATION
FOR
ELECTRICAL LAB EQUIPMENT
(CIRCUIT BREAKER ANALYSER)**

SPECIFICATION NO. : PE-TS-445-556-E002B, REV. 00



**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR PROJECT ENGINEERING MANAGEMENT
NOIDA, 201301**



1 X 660 MW SAGARDIGHI TPS
TECHNICAL SPECIFICATION FOR ELECTRICAL
LABORATORY EQUIPMENT (CIRCUIT BREAKER
ANALYSER)

Doc. No. PE-TS-445-556-E002B

Volume

Section

IIB

I

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Rev. : 00 DATE-06.07.2026

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b)	SPECIFIC TECHNICAL REQUIREMENTS	04
c)	ANNEXURE-A OF SECTION-I (DETAILED TECHNICAL PARAMETERS)	01
d)	ANNEXURE-B (DATASHEET-B)	01
e)	ANNEXURE- I TO SECTION-II (DEMONSTRATION & HANDING OVER CHARGES)	01
	 TOTAL NO. OF SHEETS= (INCLUDING COVER/ SEPARATOR SHEETS)	 10

	1 X 660 MW SAGARDIGHI TPS TECHNICAL SPECIFICATION FOR ELECTRICAL LABORATORY EQUIPMENT (CIRCUIT BREAKER ANALYSER)		Doc. No. PE-TS-445-556-E002B
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COMPLIANCE CERTIFICATE		Rev. : 00 DATE-06.07.2026	

COMPLIANCE CERTIFICATE

The bidder shall confirm compliance to the following by signing/ stamping this compliance certificate and furnishing same with the offer.

1. It is hereby confirming that the technical specification has been read, understood. We confirm compliance to the tender specification including any clarification and amendments without any deviation.
2. It is hereby declared that any technical submittals which was not specifically asked for in NIT shall stand withdrawn.

 BIDDER'S STAMP & SIGNATURE

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	SPECIFIC TECHNICAL REQUIREMENTS		Rev. : 00 DATE-06.07.2026

1.0 SCOPE

- 1.1 Design, manufacture, inspection and testing at manufacturer's work, proper packing, delivery to site, demonstration and handling over to customer/site of Electrical Laboratory Equipment as mentioned in this specification.
- 1.2 Electrical Laboratory Equipment shall be supplied along with all essential accessories required for the successful operation of the equipment.
- 1.3 Detailed technical parameters of Electrical laboratory equipment are listed in Annexure –A of Section-I.
- 1.4 It is not the intent to specify herein all the details of design & manufacture of material. However, the material shall, conform in all respects to high standard of design, engineering and workmanship and shall be capable of performing in continuous commercial operation at site conditions.
- 1.5 The Bidder may note that the equipment range, rating, quantities as detailed herein, are the minimum requirement only. All accessories for the equipment not covered here, if necessary for satisfactory and trouble free operation of the equipment, shall be supplied by the Bidder without any commercial implication to BHEL.
- 1.6 The instrument shall be suitable for satisfactory operation at an ambient temperature from 0°C to 50°C.
- 1.7 The instrument shall be rugged in construction and suitable for field use.

2.0 BILL OF QUANTITIES

- 2.1 Quantity requirement shall be as per 'BOQ cum price schedule' enclosed in NIT.
- 2.2 Supplier to also give the following undertaking in the BOM: "The BoM provided herewith completes the scope (in content and intent) of material supply under PO No. -----, dated -----. Any additional material which may become necessary for the intended application of the supplied item(s)/package will be supplied free of cost in most reasonable time."

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3.0 DRAWING & DOCUMENTS TO BE SUBMITTED

3.1 Following documents/drawings for each Electrical Laboratory Equipment shall be submitted after placement of order for BHEL & customer's approval:

DOCUMENTATION REQUIREMENT						
DRAWINGS & DOCUMENTS TO BE SUBMITTED AFTER AWARD OF CONTRACT:						
BHEL Drawing No.	Drawing Title	Primary/ Secondary	Vendor submission (Days)*	BHEL & Customer comment/ approval (Days)	Vendor submission (Days)#	BHEL & Customer comment/ approval (Days)
PE-V0-445-556-E001B	Data sheet/GA of equipment with detailed BOM	Primary	11	8	8	18
PE-V0-445-556-E002B	Catalogue of equipment	Primary	11	8	8	18
PE-V0-445-556-E003B	Quality plan for CB Analyser	Secondary	Within 30 days after approval GA/Data Sheet of respective item. Resubmission within 8 days from BHEL comments			
PE-V0-445-556-E004B	O & M Manual	Secondary				
PE-V0-445-556-E005B	Bill of Material	Secondary				
PE-V0-445-556-E003B	Calibration /TC	Secondary	Submission for issuance of MDCC. Resubmission within 8 days from BHEL comments.			
NOTES:						
a) * 1st submission within indicated days from date of purchase order.						
b) # Submission (within indicated days) after incorporating all BHEL comments.						
c) Primary documents shall be considered for Delay analysis						

3.2 To be submitted with the bid as technical offer:

- Compliance to Technical details of equipment as specified in Annexure-A of Section-I
- Technical leaflets/ Catalogues/Product Manual of the Equipment
- Datasheet-B (Annexure-B)

3.3 Bidder to furnish all user instruction manuals, maintenance, handling, installation manuals & all test reports complete in all respect in bound volumes & soft copies to BHEL / BHEL's customer at the time of handing over the same to BHEL / BHEL's Customer.

3.4 Instruction manual/ O&M manual : The manual shall clearly indicate in English the installation and connection method, check list of the tests to be carried out before commissioning of equipment. Maintenance and Calibration method shall also be provided in the manual.

3.5 Bidder to note that quoted item cost shall include cost of main item, cost of all accessories required for successful operation of equipment and testing cost of all equipment test as per relevant standard.

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4.0 SPECIFIC TECHNICAL REQUIREMENT

- Refer Annexure-A for technical details of Electrical Laboratory equipment- **Circuit breaker Analyser**
- Instrument shall be demonstrated and performance shall be tested according to Technical data and manual at the site in presence of owner engineers.
- Result should save in EXCEL Format and report to be transferred to Laptop via USB Port.

5.1 DESIGN CRITERIA:

- The Equipment will be kept in a clean but hot, humid and tropical atmosphere when not in use. Equipment will be placed in dust laden, hot, humid atmosphere during its use.
- For continuous operation at specified rating, temperature rise of various equipment/ components shall be limited to the permissible value stipulated in the relevant standards and this specification.

5.2 TEST REQUIREMENTS:

- All equipment to be tested as per latest edition of relevant standards. Further, testing shall include verification of physical, functional & technical parameters of equipment & accessories, in line with approved datasheet.
- The tests shall be carried out by the vendor at in-house lab/ OEM lab/ Third party govt. accredited lab. Charges for all these tests shall be deemed to be included in the bid price.
- Vendor to furnish test report to BHEL for review/ acceptance. BHEL/BHEL's customer may witness the testing of equipment
- While demonstration & handing over, if the system is observed to be not functioning, it shall be the responsibility of the contractor to check, rectify and demonstrate that the defect has been removed to the satisfaction of purchaser.
- Site Tests: After assembly, all major equipment together are to be site tested to establish the workability of the system at site.

6.0 PACKING:

All equipment shall be properly packed in Galvanized sheet steel trunk/ box with proper lock & key arrangement except for equipment which are trolley mounted or are already available in rugged steel/wooden box packing. Further, any damage (reading error/calibration error/broken parts/missing parts etc) found on receipt at site, leading to replacement of parts/whole item, shall be to bidder's account.

7.0 DEMONSTRATION TO BHEL / BHEL'S CUSTOMER

- The vendor shall be responsible for demonstration of the supplied equipment at site, conforming the satisfactory operation.
- The charges for visit to site for demonstration at site shall be in-line with Annexure- I of Section-II.

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8.0 PERFORMANCE GUARANTEE

The bidder shall guarantee that the equipment offered shall meet the requirement as stipulated in this specification. In case the performance of equipment is not as per performance guarantee, the bidder will have to replace the equipment at site free of cost.

ANNEXURE-A**CIRCUIT BREAKER ANALYZER : Make-MEGGER. Model- TM1800**

With all modules and extension cables for testing all Circuit Breakers (listed below) of plant including 400kV EHV CB in 400kV live switchyard.

Following tests are to be performed through CB Analyser for:

- a) 400KV CB- MAKE :GE
 - i) To record contact travel
 - ii) Speed and for making measurement of operating timings,
 - iii) Pre insertion timing of closing resistors
 - iv) Synchronization of contacts in all poles.
 - v) Dynamic contact resistance measurement.
 - vi) Static contact resistance measurement.
- b) 11kV/3.3 kV VCBs-MAKE: BHEL
 - i) Tripping /closing times, analysis of contact bounce and non-simultaneity.
 - ii) Trip/close coil currents
 - iii) Contact travel & speed characteristics
 - iv) Auxiliary contact timings
 - v) Supply voltage variation tests on coils-70%, 100% & 110% of rated coil voltage
 - vi) Supply voltage variation tests on Motor-70%, 100% & 110% of rated Motor voltage
- c) 415V ACB- MAKE: C & S Electric Ltd
 - i) Mechanical Operation & Time Measurement
 - ii) Static Contact Resistance Measurement
 - iii) Control Circuit & Auxiliary Supply Test

1X660 MW SAGARDIGHI TPP
DATA SHEET B FOR ELECTRICAL LABORATORY EQUIPMENTS
ANNEXURE-B

Sl. No.	Item Description	Quantity (nos)	Whether Quoted or not (Yes/No)	Make	Model no	Country of Manufacture	Authorization letter (attached or not)	Equipment and Accessories confirm to all technical requirements in totality - (Yes/No)	Catalogue (attached or not)	Remarks
1	CIRCUIT BREAKER ANALYZER : WITH ALL MODULES AND EXTENSION CABLES FOR TESTING ALL CB OF PLANT INCLUDING 400KV EHV CB IN 400KV LIVE SWITCHYARD.	1								

2	Bidder to confirm the parameters of offered model against each parameter mentioned in the tender specification so that it can be concluded that offered model is meeting all requiremnets as specified in technical specification									
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		whether offered model complies (Yes/No)
	Tests are to be performed through CB Analyser for:	
	a) 400KV CB- GE MAKE	
	i) To record contact travel	
	ii) Speed and for making measurement of operating timings.	
	iii) Pre insertion timing of closing resistors	
	iv) Synchronization of contacts in all poles.	
	v) Dynamic contact resistance measurement.	
	vi) Static contact resistance measurement.	
	b) 11kV/3.3 kV VCBs-MAKE: BHEL	
	i) Tripping /closing times, analysis of contact bounce and non-simultaneity.	
	ii) Trip/close coil currents	
	iii) Contact travel & speed characteristics	
	iv) Auxiliary contact timings	
	v) Supply voltage variation tests on coils-70%, 100% & 110% of rated coil voltage	
	vi) Supply voltage variation tests on Motor-70%, 100% & 110% of rated Motor voltage	
	c) 415V ACB- MAKE: C & S Electric Ltd	
	i) Mechanical Operation & Time Measurement	
	ii) Static Contact Resistance Measurement	
	iii) Control Circuit & Auxiliary Supply Test	

Note:	
1)	Equipment to be supplied along with essential accessories for successful operation of equipment at site .i.e. Modules, SDRM, cables, transducers, clamps, clips, leads ,carrying case etc.
2)	All equipments shall be supplied with valid calibration certificate, wherever applicable.
3)	All equipment shall be properly packed in Galvanized sheet steel trunk/ box with proper lock & key arrangement except for equipment which are trolley mounted or are already available in rugged steel/wooden box packing. Further, any damage (reading error/calibration error/broken parts/missing parts etc) found on receipt at site, leading to replacement of parts/whole item, shall be to bidder's account
4)	All the equipment components shall be procured from reputed manufacturers and make of equipment shall be subject to the approval of BHEL/ BHEL's Customer without any commercial implication to BHEL

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	<u>ANNEXURE-I OF SECTION – II</u> <u>DEMONSTRATION & HANDING OVER CHARGES</u>	Rev. : 00 DATE- 06.07.2026	

**SCHEDULE OF PRICES FOR DEMONSTRATION & HANDING OVER TO
BHEL / BHEL'S CUSTOMER**

SL. NO.	DETAILS	ACTIVITY	UNIT CHARGES
1	LUMP SUM ALL INCLUSIVE CHARGES PER VISIT FOR EXPERIENCED / CAPABLE ENGINEER (EXCEPT DAILY CHARGES)	1 VISIT	20000/-
2	LUMP SUM ALL INCLUSIVE CHARGES FOR EXPERIENCED / CAPABLE ENGINEER PER DAY	1 DAY	5000/-

Note:

- TOTAL CHARGES = (Charges as per S.No.1) + [No. of Days(*) x Unit Charges as per Sl. No. 2]
- *: To be certified by BHEL site
- Bidder to note that provision of maximum 1 visit amounting to total 3 man days is envisaged for respective bidders.

	1x660MW SAGARDIGHI TPS PRE-QUALIFICATION REQUIREMENTS FOR ELECTRICAL LAB EQUIPMENT	DOC. NO. PE-PQ-445-556-E002
		REVISION NO. 0 DATE 06.07.2026
		SHEET NO. 1 OF 1

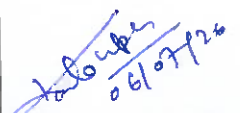
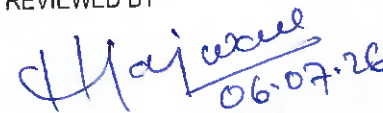
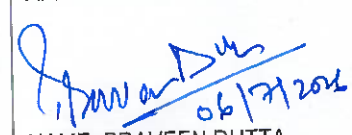
ITEMS: Electrical Lab Equipment for Metering, Measuring, Testing , Calibrating & Diagnostic

SCOPE: Supply: YES; Erection & Commissioning : NO;

1	Vendor can be either OEM (Original Equipment Manufacturer) or Supplier of Electrical Lab equipment.
2	Vendor should have supplied Electrical Lab equipment to process plant/ refinery/ power plant/ nuclear plant/ testing Lab.
3	Vendor should be in business of supplying Electrical Lab equipment for at least last two (2) years from the date of techno commercial bid opening.
4	Minimum two nos. purchase orders for Electrical Lab equipment shall be submitted which should not be more than 5 years old from the date of techno-commercial bid opening for establishing continuity in business.
5	Vendor should have in-house capability to carry out testing of equipment. In case testing facility is not available with the vendor, testing can be conducted at Govt. lab/ Govt. approved independent Lab.

NOTES-

1. Consideration of offer shall be subject to customer's approval of bidders, if applicable.
2. Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.
3. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
4. After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.

PREPARED BY  NAME: MANJU BHATNAGAR DESIGNATION: MGR.	CHECKED BY  NAME: KAVITA GUPTA DESIGNATION: DGM	REVIEWED BY  NAME: NARENDRA NATH JAJWARE DESIGNATION: DGM	APPROVED BY  NAME: PRAVEEN DUTTA DESIGNATION: DH (ELECT.)
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