

**BHARAT HEAVY ELECTRICALS LIMITED,
Heavy Electrical Equipment Plant
Ranipur, Haridwar – 249 403
(UK), India**



Subject: Procurement of Pressure Transmitter for Turbines: Koderma Project”

List of Tender Documents

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1.	Buyer Specific Special Terms and Conditions (In addition to GTC & ATC of GEM) – (Annexure-A)	Pg. 2 to 24
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4.	Product Specification	Pg. 28 to 35
5.	HHC Specification	Pg. 36
6.	Packing Instruction	Pg. 37 to 46
7.	NTPC questionnaire (for Vendor approval from DVC)	Pg. 47 to 48
8.	PQR (Filled copy to be submitted with supporting documents)	Pg. 49
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Buyers Specific Additional Terms & Conditions in addition to GTC**Item Name: Pressure Transmitters****Projects: DVC Koderma Project****1. Scope of Enquiry**E-bids on GeM are invited from bidders for the supply of **Pressure Transmitters for DVC Koderma Project**, as per requirement mentioned below:

Applicable DRG: 41337688101 with BHEL SPEC: ST48010 REV: 05.

Material requirement (Mat code wise): Details for Lots

Sl. No.	Material Code & Item Description	Total Qty (No.)	Lot wise Qty per Project		
			Lot #1	Lot#2	Lot #3 (Spares)
1	W97372652570 PRESSURE TRANSMITTER 0-400 BAR	14	6	6	2
2	W97372652618 PRESSURE TRANSMITTER (-1) TO (+109) BAR	3	1	1	1
3	W97372652464 PRESSURE TRANSMITTER 0-80 BAR	18	8	8	2
4	W97372652472 PRESSURE TRANSMITTER 0 TO 16 BAR	7	3	3	1
5	W97372652588 PRESSURE TRANSMITTER (-)1 TO 399 BAR	7	3	3	1
6	W97372652480 PRESSURE TRANSMITTER -1 TO +79 BAR	11	5	5	1
7	W97372652596 PRESSURE TRANSMITTER -1 TO +50 BAR	5	2	2	1
8	W97372652553 PRESSURE TRANSMITTER (-1) TO (+39) BAR	3	1	1	1
9	W97372652561 PRESSURE TRANSMITTER (-1) to (+19) BAR (ABS)	5	2	2	1
10	W97372652545 PRESSURE TRANSMITTER (-1) TO (+9) BAR	3	1	1	1
11	W97372652537 PRESSURE TRANSMITTER (-1) TO (+3) BAR	3	1	1	1
12	W97372652502 PRESSURE TRANSMITTER 0-10 BAR (ABS)	7	3	3	1
13	W97372652510 PRESSURE TRANSMITTER 0-1.3 BAR (ABS)	27	12	12	3
14	W97372652529 FLOW TRANSMITTER 0-1800 MBAR (Diff. PT)	14	6	6	2
15	W97372652499 Diff. PRESSURE TRANSMITTER -10 TO +90 MBAR	5	2	2	1
16	W90313376050 HAND HELD COMMUNICATOR (FOR SMART PRESSURE TRANSMITTERS)	2	1	1	-
Total Qty					

2. Consignee Details and delivery schedule:

Sl. No.	Project Name	Site/ Project Address	Tentative Requirement Schedule	
1	2X800MW KODERMA TPS PH-II DAMODAR VALLEY CORPORATION	THE CGM & HOP, DVC, 2x800 MW DVC KODERMA TPS PH II, PO : BANJHEDIH, KODERMA, JHARKHAND – 825421	Lot-1	30-07-27
			Lot-2	27-11-27
			Lot-3	14-11-27

Delivery Schedule shall be as per GeM PO. However, early delivery may be accepted as per site requirement.

3.0: Buyers Specific Additional Terms & Conditions in addition to GTC

Note: Please fill your acceptance/ comments in confirmation column. Blank column will be understood as accepted by bidder.

Sl. NO.	Terms	Description	Your confirmation
1.	Confirmation to compliance of GTC on GeM 4.0 (Version 1.29)	General terms and conditions on GeM 4.0 (Version 1.29, dated 25.03.2026) or subsequent rules/policies issued by GeM shall be applicable. Please confirm.	
2.	Compliance of Rule 144 (xi) of GFR 2017	Compliance of Restrictions under Rule 144 (xi) of GFR 2017 shall be as per GeM.	
3.	Public Procurement (Preference to Make in India)	For this procurement, the local content to categorize, a supplier as a Class-I local supplier/ Class-II local Supplier and purchase preference to Class-I local supplier, is as defined in Public Procurement (Preference to Make in India), PPP-MII Order No. P-45021/ 2/ 2017-PP (BE-II) dtd. 04/06/2020 issued by DPIIT. In case of subsequent Orders issued by the respective 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.	
		Vendor to submit tender specific self-certificate in line with PPP-MII Order No. P-45021/ 2/ 2017-PP (BE-II) dtd. 04/06/2020 clearly indicating percentage of local content. Please Confirm Declaration regarding minimum local content BHEL Annex-12 (format given below in ATC)	
4.	Customer approval Condition	Please note that procurement shall be done only from the vendors, approved by end customer. BHEL will share successful vendor name and credentials to customer for approval before price bid opening and Part-2 will be opened for customer approved vendor only. Vendors to provide their credentials for customer approval as profile, past experience po, performance certificate etc. Please note that, Approval is also required for NTPC approved vendors quoting un-approved model against this enquiry.	
5.	Pre-Qualification Requirements (PQR)	The Pre-Qualification Requirements have been compiled and format is placed at Sl. No. 33 . Bidder to submit filled copy of PQR Table with supporting PO copy, unpriced dispatch document, approved GA drawing etc. All the bidders should ensure submission of complete details and documents as called for in these requirements. The Offers submitted by the bidders would be scrutinized with respect to Pre-Qualification Requirements first. Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements.	
6.	Special Instruction of Technical requirement	1. Please confirm that Specification No. ST48010 rev-05 & DRG No. 41337688101 for PT/DPT and DRG NO. 41337622101 rev-01 for HHC shall be followed for concerned items of the enquiry. DRG NO. CIEPTH5 is to be followed for KKS TAG details. Please submit duly endorsed copy of technical documents.	
		2. DATASHEET/BILL OF MATERIAL (BOM) IS REQUIRED FOR BHEL/ CUSTOMER APPROVAL. Please confirm to provide.	
		3. APPLICABLE TYPE TEST STANDARD IS BS-6447/IEC 60770.	
		4. CUSTOMER APPROVAL IS REQUIRED ON COPY OF TYPE TEST AND THESE TYPE TEST SHOULD HAVE BEEN CONDUCTED AFTER Jan-2014.	
		5. All instruments shall be calibrated as per BHEL range of measurement before dispatch. Please confirm.	
		6. vendor to provide operation & maintenance (O & M) manual along with supplies and 1 copy along with soft copy of O & M manual to be sent to BHEL Haridwar. Please confirm.	
		7. All accessories should be in assembled condition including plug and socket	

		connector, before dispatch of the items. Please confirm.																									
		8. Please note that all items for one Project to be procured from same vendor.																									
		9. Items shall be dispatched in suitable "wooden boxes" with steel strips fixed around the box", or "any other suitable packaging", which can withstand transit movement, local environment and moisture/ water.																									
		10. In addition to packing instructions given in spec. No. ST48010 (cl. No. 13), spec no. ST33002 Rev-02 (cl. No. 3.1 A & B) should be followed for packing of all items.																									
		11. Test and Guarantee certificates are required to be submitted. Please confirm																									
		12. Items against Lot-3 of each material code are spare items. These spare items are to be packed together in separate green colored box.																									
		13. Blank SS Tag should be attached with Lot-3 Spare material.																									
		14. PREFIX OF TAG NO. (IF ANY) SHALL BE INFORMED DURING BOM APPROVAL.																									
7.	Documents required for Technical evaluation	1. Vendor to submit offered model through detailed datasheet format describing as per below format. 2. Catalogue of PT/DPT/HHC shall be submitted with offer. <table><tr><th>Sr No</th><th>Material Code</th><th>PT/DPT</th><th>Calibration Range</th><th>Qty.</th><th>Full Model Code</th><th>Accuracy (for Calibrated Range)</th><th>Turn Down (for span)</th><th>Stability (% of Calibrated Range)</th><th>Process Connection</th><th>Electrical connection</th><th>SIL 2</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Yes</td></tr></table>	Sr No	Material Code	PT/DPT	Calibration Range	Qty.	Full Model Code	Accuracy (for Calibrated Range)	Turn Down (for span)	Stability (% of Calibrated Range)	Process Connection	Electrical connection	SIL 2												Yes	
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											Yes																
8.	Specification confirmation	Kindly confirm that quoted offer by you have been complied all technical requirements as given in tender documents and submit all documents to BHEL as per tender specifications and drawings without any deviations. BHEL Specification: ST 48010 Rev-05 Drawing details:41337688101, 41337622101 KKS Tag as per - CIEPTH5 Please confirm that supplied item shall be in line with BHEL drawings and specification called in enquiry in totality. If any undeclared deviation is found w.r.t. BHEL specifications and drawings after placement of PO. Vendor shall have to comply with BHEL specification and drawing requirements without any commercial or delivery implication. Please confirm																									
9.	Quality Requirements	For indigenous supply: Inspection by BHEL nominated inspection agency "QUEST" as per BHEL SQP "QA/BE/QP/902, REV. 12". Vendor has to endorse the Q.P (enclosed with item catalogues). For Hand Held Communicator (Material Code: W90313376050): T.C./COC is required as per ordering document. For Foreign vendors: Testing and certification is required as per ordering drawing and specification. For Hand Held Communicator (Material Code: W90313376050): T.C./COC is required as per ordering document. Please confirm to comply above quality requirement. VENDER TO CONFIRM FOR VISUAL AND FUNCTIONAL INSPECTION w.r.t. TECHNICAL PARAMETERS AS AGREED TECHNICALLY.																									
10.	Price basis, Evaluation Currency, Firm prices & Transit Insurance	Prices should be quoted on F.O.R. Destination up to DVC Koderma Project basis i.e. including freight, packing & forwarding charges, GST etc. The evaluation currency for this tender shall be INR. Price will remain firm and fixed during entire execution of tender/supply. Transit insurance shall be arranged by BHEL and not to be included in the prices.																									
11.	Evaluation criteria	Evaluation shall be done on the basis of total landed cost to BHEL (up to DVC Koderma Project) for the complete requirement covered in the Bid. (considering ITC). Bidders to insure applicability of ITC on Gem portal.																									

12.	Payment Terms	Payment shall be made within 45/ 60/ 90 days (as applicable for MSE, Medium and Non-MSME bidders respectively) from the material entry date in BHEL, subject to submission of non-discrepant documents by the vendor, uploading of all documents on BHEL's SUVIDHA portal at the time of dispatch, and the acceptance of material by BHEL after receipt. <u>Note: This is in supersession of 10 days' time as provided in Clause 12 of GeM GTC and also 45 days from CRAC as provided in the standard format of GeM Bid under Payment Timelines.</u>									
13.	TReDS platform For MSMEs only	Please confirm your TReDS platform as per guideline from gazette notification CG-DL-E-02072026-273996 dated 30.06.2026. Please opt from: <table border="1"> <tr> <td>1. RXIL</td><td>2. MI-XCHANGE</td><td>3. INVOICEMART</td><td>4. KREDX</td></tr> <tr> <td></td><td></td><td></td><td></td></tr> </table>	1. RXIL	2. MI-XCHANGE	3. INVOICEMART	4. KREDX					
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14.	Document submission for approval from BHEL/customer	Drawings/Data sheets/Documents/Type Test etc. as called for in the specifications shall be submitted for approval to BHEL for BHEL/customer approval within 30 days of purchase order. Any delay in delivery on account of late submission of drawings/data sheets/QAP/documents shall be to vendors account. BHEL will arrange the approval of the drawings/data sheets/ documents within 30 days of their receipt provided those are complete in all respect. Delays in approval shall be dealt on merit basis.									
15.	Manufacturing cum Delivery Period	Kindly quote your minimum delivery period in no. of weeks. (time taken including manufacturing + Joint inspection + 07 days for MDCC issuance and up to Dispatch) From the date of manufacturing clearance (.....) Early delivery will be accepted as per BHEL site requirement. Note:> In case of non-quoted delivery period by vendor, Default 04 months from manufacturing clearance will be considered.									
16.	Manufacturing clearance	In case of ordering, vendor has to take manufacturing clearance from BHEL before starting manufacturing of material. No manufacturing is to be started without getting clearance from BHEL. Kindly confirm.									
17.	Packing & QR code Instructions	QR code Instructions shall be complied as per below instructions - 1.Before shipment of material, vendor has to obtain QR code from BHEL and these QR codes (properly laminated) shall be affixed on packages/boxes/crates/bundles of material to be supplied. While packing the material following is to be ensured. 2.Material of unit-1, unit-2 and mandatory spares need to be packed in separate boxes. Loose items (if any) needs to be packed in boxes/crates or bundled together. For loose items one marker board needs to be send for each bundle for fixing this RFID Tag at site. QR code will be issued box wise/bundle wise. Vendor to ensure correct QR Code are affixed on the boxes/bundles.									
18.	MDCC clause	Material shall be dispatched only after issue of material dispatch clearance certificate (MDCC) by BHEL. All test certificates and relevant documents are to be sent to BHEL before dispatch of material for issue of MDCC, which will be issued after review of test certificates etc. MDCC will be issued within 07 days of receipt of these documents once found complete in all respects. In case of any delay on account of BHEL in issuing MDCC, delivery shall be extended by no. of days in excess of 7 days taken by BHEL in issuing MDCC and delays shall be dealt on merit basis. In case any material is dispatched without MDCC and any loss is incurred by Supplier/Vendor for any reason whatsoever, BHEL shall not be responsible in any manner to compensate the supplier in this regard. Material is to dispatched within 07 days of receipt of MDCC from BHEL without waiting for PO amendment.									
19.	Guarantee	Kindly confirm that all equipment shall be guaranteed for trouble free performance for 24 months from the date of shipment or 12 months from the date of commissioning, whichever is earlier. Buyer to submit guarantee certificate mentioning above guarantee period.									

		Please note that offers with guarantee period lesser than above mentioned guarantee period may result in rejection of the offer.	
20.	Liquidated Damages	If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed Lot per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever. The date of dispatch mentioned on LR/GR would be treated as the date of delivery for penalty purposes. Complete material of each lot to be dispatch in one go only. In case of partial supply, dispatch of last item of lot shall be considered for LD purpose.	
21.	Environmental compliance for transportation vehicles	In case of award of contract against this NIT, it is to be ensured by seller that all vehicles deployed for transportation of material to BHEL premises/ project sites comply with the applicable emission norms prescribed by the Central/State Pollution Control Authorities and other statutory authorities. The vehicles shall possess a valid Pollution Under Control (PUC) Certificate throughout the period of transportation. BHEL reserves the right to verify the validity of the PUC certificate at the time of entry of the vehicle into the premises. Non-compliance may result in denial of entry of the vehicle and any consequential delay shall be to the seller's account.	
22.	Settlement of Dispute, CONCILIATION & ARBITRATION:	Settlement of Dispute If any dispute or difference of any kind whatsoever shall arise between BHEL and the Supplier/Vendor, arising out of the contract for the performance of the work whether during the progress of contract termination, abandonment or breach of the contract, it shall in the first place referred to Designated Officer / IEM for amicable resolution by the parties. Designated Officer / IEM who within 60 days after being requested shall give written notice of his decision to the contractor. Save as hereinafter provided, such decision in respect of every matter so referred shall forthwith be given effect to by the Supplier/Vendor who shall proceed with the work with all due diligence, whether he or BHEL desires to resolve the dispute as hereinafter provided or not. If after the Designated Engineer has given written notice of this decision to the party and no intention to pursue the dispute has been communicated to him by the affected party within 30 days from the receipt of such notice, the said decision shall become final and binding on the parties. In the event the Supplier/Vendor being dissatisfied with any such decision or if amicable settlement cannot be reached then all such disputed issues shall be resolved through conciliation in terms of the BHEL Conciliation Scheme 2018 as per 'CONCILIATION' Clause. CONCILIATION: Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure as per BHEL Conciliation Scheme 2018. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in - "Procedure for conduct of conciliation proceedings" (as available in www.bhel.com). Note: Ministry of Finance has issued OM reference No. 1/2/24 dated 03.06.2024 regarding "Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement. In the said OM it has been recommended that Government departments/ Entities/agencies are to encourage mediation under the Mediation Act. 2023. The said Act has not yet been notified by the Government. Therefore, the clause "Settlement of Disputes" shall be modified accordingly as and when the Mediation Act 2023 gets notified. ARBITRATION: Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution. A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the Head of the Region, Power Sector/ Unit, BHEL, executing the Contract and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any. After expiry of 30 days from the date of receipt of aforesaid notice, the party invoking the Arbitration	

		shall submit that dispute to the Arbitral Institutions (shall be identified by the contract issuing agency) and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged. The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules. The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be at the court(s) of Haridwar. Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at Haridwar , shall have exclusive jurisdiction. Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor. It is agreed that Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores. In case the disputed amount Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause. In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall be taken in account while arriving at the total claim in dispute for the subject contract for the purpose of clause mentioned above. Disputes having cumulative value of less than 10 crores shall be resolved through arbitration and any additional dispute shall be adjudicated by the court of competent jurisdiction.	
23.	BREACH OF CONTRACT, REMEDIES AND TERMINATION:	The following shall amount to breach of contract: I. Non-supply of material/ non-completion of work by the Supplier/Vendor within scheduled delivery/ completion period as per contract or as extended from time to time. II. The Supplier/Vendor 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/Vendor delivers equipment/ material not of the contracted quality. IV. The Supplier/Vendor fails to replace the defective equipment/ material/ component as per guarantee clause. V. Withdrawal from or abandonment of the work by the Supplier/Vendor before completion as per contract. VI. Assignment, transfer, subletting of Contract by the Supplier/Vendor without BHEL's written permission resulting in termination of Contract or part thereof by BHEL. VII. Non-compliance to any contractual condition or any other default attributable to Supplier/Vendor. VIII. Any other reason(s) attributable to Vendor towards failure of performance of contract. In case of breach of contract, BHEL shall have the right to terminate the Purchase Order/ Contract either in whole or in part thereof without any compensation to the Supplier/Vendor. IX. Any of the declarations furnished by the contractor 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 contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise. X. Supplier/Vendor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner. Note-Once BHEL considers that a breach of contract has occurred on the part of Supplier/Vendor, BHEL shall notify the Supplier/Vendor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days. In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL 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 above clause has expired and Supplier/Vendor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor. ii) Upon termination of contract, BHEL 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/Vendor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the Supplier/Vendor, retention amount, from the money due to the Supplier/Vendor etc. with BHEL) or the other legal remedies shall be pursued. iii) wherever the value of security instruments like performance bank guarantee available with BHEL 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. 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 in all or any of the following manners: iv) In case the amount recovered under sub clause (a) 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 Supplier/Vendor. v) If Supplier/Vendor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount: a) from dues available in the form of Bills payable to defaulted Supplier/Vendor against the same contract. b) If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Supplier/Vendor 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 recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier/Vendor. vii) It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Supplier/Vendor for the purpose of estimation of damages. viii) 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. Note: 1) The defaulting Supplier/Vendor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include: (a) In case defaulted Supplier/Vendor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor. (b) In case defaulted Supplier/Vendor is The Partnership Firm, any firm comprising of same partners/ some of the same partners; or sole proprietorship firm owned by any partner(s) as a sole proprietor.	
24.	Suspension of Business Dealings with Suppliers / Contractors:	The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms / principal / agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com. If any bidder / supplier / contractor during pre-tendering / tendering / post tendering / award / execution / post-execution stage indulges in any act, including but not limited to, mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or tampers the tendering process or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860(Bhartiya Nyaya Samhita 2023) or any other law in force in India, or does anything which is actionable under the Guidelines for Suspension of Business dealings, action may be taken against such bidder / supplier / contractor as per extant guidelines of the company available on www.bhel.com and / or under applicable legal provisions. Guidelines for suspension of business dealings is available in the webpage: http://www.bhel.com/vendor_registration/vendor.php.	
25.	CONFLICT OF INTEREST AMONG BIDDERS/ AGENTS	A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if: a) they have controlling partner (s) in common; or b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or c) they have the same legal representative/agent for purposes of this bid; or d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder, or e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from. one bidding manufacturer in more than one bid; or f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers,	

		one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent/dealer. There can be only one bid from the following: 1. The principal manufacturer directly or through one Indian agent on his behalf; and 2. Indian/foreign agent on behalf of only one principal, - or g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid, or h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business. "													
26.	MICRO AND SMALL ENTERPRISES (MSE):	Any Bidder 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. <table border="1"> <tr> <th>Type under MSE</th><th>SC/ST owned</th><th>Women owned</th><th>Others (excluding SC/ ST & Women Owned)</th></tr> <tr> <td>Micro</td><td></td><td></td><td></td></tr> <tr> <td>Small</td><td></td><td></td><td></td></tr> </table> Note: If the bidder does not furnish the above, offer shall be processed construing that the bidder is not falling under MSE category. a) MSE suppliers can avail the intended benefits in respect of the procurements related to the Goods and Services only (Definition of Goods and Services as enumerated by Govt. of India vide Office Memorandum F. No. 21(8)/2011-MA dtd. 09/11/2016 office of AS & DC, MSME) only if they submit along with the offer, attested copies of either Udyam Registration. Date to be reckoned for determining the deemed validity will be the last date of Technical Bid submission. Non-submission of supporting document in GeM portal will lead to consideration of their bids at par with other bidders. No benefits shall be applicable for this enquiry if the above required documents are not uploaded at the time of bid submission. Documents submitted by the bidder shall be verified by BHEL for rendering the applicable benefits.	Type under MSE	SC/ST owned	Women owned	Others (excluding SC/ ST & Women Owned)	Micro				Small				
Type under MSE	SC/ST owned	Women owned	Others (excluding SC/ ST & Women Owned)												
Micro															
Small															
27.	JURISDICTION:	This contract shall be governed by the Law for the time being in force in the Republic of India. Subject to clause(s) mentioned above of this contract, the Civil Court having original Civil Jurisdiction at Haridwar shall alone have exclusive jurisdiction in regard to all matters in respect of the Contract.													
28.	Force Majeure	"Force Majeure" shall mean circumstance which is: a) beyond control of either of the parties to contract, b) either of the parties could not reasonably have provided against the event before entering into the contract, c) having arisen, either of the parties could not reasonably have avoided or overcome, and d) is not substantially attributable to either of the parties And Prevents the performance of the contract, Such circumstances include but shall not be limited to: i) War, hostilities , invasion, act of foreign enemies. ii) Rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war. iii) Riot, commotion or disorder by persons other than the contractor's personnel and other employees of the contractor and sub-contractors. iv) Strike or lockout not solely involving the contractor's personnel and other employees of the contractor and sub-contractors. v) Encountering munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the contractor's use of such munitions, explosives, radiation or radio- activity. vi) Natural catastrophes such as earthquake, tsunami, volcanic activity, hurricane or typhoon, flood, fire, cyclones etc. vii) Epidemic, pandemic etc. The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party: a) any strike, work-to-rule action, go slow or similar labour difficulty (b) late delivery of equipment or material (unless caused by Force Majeure event) and (c) economic hardship. If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within 15 (fifteen) days after the occurrence of such event. The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The Time for Completion shall be extended by a period of time equal to period of delay caused due to such Force Majeure event. Delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall not i) Constitute a default or breach of the Contract. ii) Give rise to any claim for damages or additional cost expense occasioned thereby, if and to the extent that such delay or non-performance is caused													

		by the occurrence of an event of Force Majeure. BHEL at its discretion may consider short closure of contract after 1 year of imposition of Force Majeure in line with extant guidelines. In any case, Supplier/Vendor cannot consider deemed short-closure after 1 year of imposition of Force Majeure	
29.	Cartel Formation	The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). 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 Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.	
30.	Fraud Prevention Policy:	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 http://www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.	
31.	Order of Precedence:	In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below: a. Amendments/Clarifications/Corrigenda etc. issued in respect of the tender documents by BHEL. b. Buyer Added Bid Specific ATC c. GeM Bid Technical Conditions of Contract (TCC) d. GeM GTC	
32.	Contact details	Please provide 2 Nos of contact details (email id and contact no.) for clarifications. 1..... 2.....	
33.			

**BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR**

Control & Instrumentation Engineering (CIE)

PRE-QUALIFICATION REQUIREMENT

Pressure Transmitters (Gauge PT/DPT) Specification: ST48C10

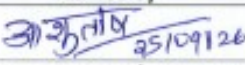
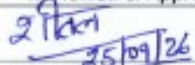
Document No- CIE/PT/
/Turbine /20262235 R00
Date : 25/09/26

A. Indent No.: 20262235 Rev 00

B. Application: Pressure Transmitters (Gauge PT/DPT/ Abs PT) are required for various Pressure measurements in Thermal power plant

Sr. No.	PRE-QUALIFICATION REQUIREMENTS	VENDOR RESPONSE										
1.	Bidder shall be the manufacturer or authorized supplier of OEM of Pressure Transmitters. Accordingly, any legal document or Letter of authorization shall be submitted respectively in support of this.											
2.	Bidder must have successfully supplied at least 100 or more pressure transmitters in last 7 years from date of enquiry. Bidder needs to furnish un-priced copy of purchase order (PO) in support of above and furnish data in following format. <table><tr><td>(Project/ Customer Name)</td><td>PO ref no. & date</td><td>(Pressure Transmitter range)</td><td>Qty.</td><td>Contact details of customer (email and/or phone number, etc.)</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>	(Project/ Customer Name)	PO ref no. & date	(Pressure Transmitter range)	Qty.	Contact details of customer (email and/or phone number, etc.)						
(Project/ Customer Name)	PO ref no. & date	(Pressure Transmitter range)	Qty.	Contact details of customer (email and/or phone number, etc.)								
3.	Bidder to confirm that offered model series of transmitters have been successfully operational in Power plants/refineries/etc. for at least 1 year, in at least two projects. Bidder to submit Unpriced PO copies and supporting document (Performance Certificate, if BHEL PO is not available) in support of same. The supporting documents shall not be older than 7 years from date of enquiry.											
4.	Bidders who are supplying offered model series to BHEL Haridwar for the first time will have to provide extended warranty of 2 years over and above specification requirement. Bidder to confirm.											
5.	General technical requirements shall be as below. Bidder to confirm against each point: - <u>TECHNICAL REQUIREMENTS:-</u> a) Type of transmitter : SMART microprocessor based ,2 Wire 24V DC, +/-10% b) Sensor type : Capacitance/Inductive/Silicone resonance/ Piezo-resistive c) Output signal range : 4-20mA DC with digital communication (HART protocol) d) Accuracy : 0.050% of calibrated span e) Response time : <150 m Sec f) Protection : IP67 g) Local indication : Required h) Diagnostics : Self Indicating feature i) Wetted parts : SS316 j) Electrical connection : 3 Pin Plug Connector k) Process connection : G1/2 " Male (Bottom entry)											
6.	Bidder to provide catalogue of offered items in support of technical specification along with addendum (if applicable).											
7.	Bidders will be required to submit Type test reports at the time of technical evaluation.											
8.	Bidders will be required to submit certification for SIL2, as applicable at the time of technical evaluation.											

Note: Bidder to confirm specific compliance wherever asked. BHEL reserves the right to verify information submitted by Bidder. In case the information is found false/ incorrect/ incomplete, the offer shall be rejected.

Worked by	Reviewed & Approved by
 25/09/26	 25/09/26
A. Srivastava/ Manager	Sheetal Singh / Sr. Manager

Note: Please provide your remarks/ confirmations for all clauses/ column. Any blank column submitted by vendor shall be treated as confirmed by them.

CHECK LIST

NOTE: - Suppliers are required to fill in the following details in their Letterhead and no column should be left blank

A	Name and Address of the Supplier		
B	GSTN No. the Supplier (Place of Execution of Contract / Purchase Order)		
C	Details of Contact person for this Tender	Name: Mr./ Ms. Designation: Telephone No: Mobile No: Email ID:	
D	EMD DETAILS		
E	DESCRIPTION	APPLICABILITY (BY BHEL)	ENCLOSE BY BIDDER (YES / NO)
i.	Whether Pre - Qualification Criteria is understood and provided proper supporting documents.	Applicable	
ii.	Whether all pages of the Tender documents including annexures, appendices etc. are read and understood	Applicable	
iii.	Audited Balance Sheet and profit & Loss Account for the last three years	Not Applicable	
iv.	Copy of PAN Card & GST registration	Applicable	
v.	Submission of MSE certificate as specified in Tender	Applicable/ ~~Not Applicable~~	
vi.	Offer forwarding letter / tender submission letter as per Annexure – 2	Applicable	
vii.	Submission of Certificate of No Deviation as per Annexure – 3	Applicable	
viii.	Declaration regarding Insolvency/ Liquidation/ Bankruptcy Proceedings as per Annexure – 4	Applicable	
ix.	Declaration by Authorized Signatory as per Annexure – 5	Applicable	

x.	Declaration by Authorized Signatory Authenticity of submitted Documents Annexure – 6	Applicable	
xi.	Submission of Non-Disclosure Certificate as per Annexure – 7	Not Applicable	
xii.	Submission of Integrity Pact as specified in Tender as per Annexure – 8	Not Applicable	
xiii.	Declaration confirming knowledge about Site Conditions as per Annexure – 9	Not Applicable	
xiv.	Declaration reg. Related Firms & their areas of Activities as per Annexure – 10	Applicable	
xv.	Declaration for relation in BHEL as per Annexure – 11	Applicable	
xvi.	Declaration reg. minimum local content in line with revised public procurement as per Annexure – 12	Applicable	
xvii.	Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017 as per Annexure – 13	Applicable	
xviii.	Bank Account Details for E-Payment as per Annexure – 14	Required after PO	
xix.	Power of Attorney for submission of tender as per Annexure – 15	Not Applicable	
xx.	Proforma of Bank Guarantee for Earnest Money as per Annexure – 16	Not Applicable	
xxi.	Declaration for treatment of cases regarding conflict of interest as per Annexure – 19	Applicable	
xxii.	Undertaking for “Cyber security & Data privacy”	Applicable	

NOTE: Strike off ‘YES’ or ‘NO’, as applicable. Tender not accompanied by the prescribed **above applicable documents** are liable to be summarily rejected.

DATE:

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

OFFER FORWARDING LETTER / TENDER SUBMISSION LETTER
(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

Offer Reference No:

Date: ...

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Submission of Offer against GeM Bid No: ...GEM/2026/B/8172953 dated 17.10.2026...

Having examined the tender documents against your GeM Bid No. _____ dated _____ and having understood the provisions of the said tender documents and having thoroughly studied the requirements of BHEL related to the work tendered for, in connection with _____ (name of work & project site), we hereby submit our offer for the proposed work in accordance with terms and conditions mentioned in the tender documents, at the prices quoted by us and as per the indicated delivery schedule.

Should our Offer be accepted by BHEL for Award, I/we further agree to furnish 'Performance Security' for the work as provided for in the Tender Conditions within the stipulated time as may be indicated by BHEL.

I/We further agree to execute all the works referred to in the said Tender documents upon the terms and conditions contained or referred to therein and as detailed in the appendices annexed thereto.

I/We have deposited herewith the requisite Earnest Money Deposit (EMD) as per details furnished in the Check List.

Authorized Representative of Bidder

Signature:

Name:

Address:

Place:

Date:

CERTIFICATE OF NO DEVIATION

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Subject: No Deviation Certificate

Ref: 1) GeM Bid No: GEM/2026/B/8172953 dated 17.10.2026
2) All other pertinent issues till date

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred GeM Bid.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

**(Signature, date & seal of authorized
representative of the bidder)**

Date:

Place:

UNDERTAKING

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

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/Madam,

Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

Ref: GeM Bid Specification 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:

DECLARATION BY AUTHORISED SIGNATORY OF BIDDER

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

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: **Declaration by Authorised Signatory**

Ref: 1) GeM Bid Specification No: ... GEM/2026/B/8172953 dated 17.10.2026

2) All other pertinent issues till date

I/We, hereby certify that all the information and data furnished by me with regard to the above Tender Specification are true and complete to the best of my knowledge. I have gone through the specifications, conditions, stipulations and all other pertinent issues till date, and agree to comply with the requirements and Intent of the specification.

I further certify that I am authorised to represent on behalf of my Company/Firm for the above-mentioned tender and a valid Power of Attorney to this effect is also enclosed.

Yours faithfully,

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

Date:

Enclosed: Power of Attorney

DECLARATION BY AUTHORISED SIGNATORY OF BIDDER
(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **Declaration by Authorised Signatory regarding Authenticity of submitted documents.**

Ref : 1) GeM Bid No. & Date: GEM/2026/B/8172953 dated 17.10.2026.

2) All other pertinent issues till date

I/We, hereby certify that all the documents submitted by us in support of possession of “Qualifying Requirements” are true copies of the original and are fully compliant required for qualifying / applying in the bid and shall produce the original of same as and when required by Bharat Heavy Electricals Limited.

I / We hereby further confirm that no tampering is done with documents submitted in support of our qualification as bidder. I / We understand that at any stage (during bidding process or while executing the awarded contract) if it is found that fake / false / forged bid qualifying / supporting documents / certificates were submitted, it would lead to summarily rejection of our bid / termination of contract. BHEL shall be at liberty to initiate other appropriate actions as per the terms of the Bid / Contract and other extant policies of Bharat Heavy Electricals Limited.

Yours faithfully,

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

Date:

ANNEXURE – 10

DECLARATION

Date: _____

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/ Madam,

Sub: Details of related firms and their area of activities

Please find below details of firms owned by our family members that are doing business/ registered for same item with BHEL, (NA, if not applicable)

1	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
2	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
...		

Note: I certify that the above information is true and I agree for penal action from BHEL in case any of the above information furnished is found to be false.

Regards,

(_____)

From: M/s

_____ Supplier Code:

_____ Address:

DECLARATION FOR RELATION IN BHEL

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder failing which the offer of Bidder is liable to be summarily rejected)

----- To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration for relation in BHEL

Ref: 1) GeM Bid Specification No: ... GEM/2026/B/8172953 dated 17.10.2026

I/We hereby submit the following information pertaining to relation/relatives of Proprieter/Partner(s)/ Director(s) employed in BHEL

Tick (✓) any one as applicable:

1. The Proprieter, Partner(s), Director(s) of our Company/Firm DO NOT have any relation or relatives employed in BHEL

OR

2. The Proprieter, Partner(s), or Director(s) of our Company/Firm HAVE relation/relatives employed in BHEL and their particulars are as below:

i
.
i
i
.

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

Note:

1. Attach separate sheet, if necessary.
2. If BHEL Management comes to know at a later date that the information furnished by the Bidder is false, BHEL reserves the right to take suitable against the Bidder/Contractor.

**DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH
REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04TH
JUNE, 2020 AND SUBSEQUENT ORDER(S)**

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

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 04th June, 2020 and subsequent order(s).

Ref: 1) GeM Bid Specification No: ... GEM/2026/B/8172953 dated 17.10.2026
2) All other pertinent issues till date

We hereby certify that the items/works/services offered by.....
(specify the name of the organization here) has a local content of _____ % and this meets the local content requirement for ‘**Class-I local supplier**’ / ‘**Class II local supplier**’ ** as defined in Public Procurement (Preference to Make in India), Order 2017-Revision dated 04.06.2020 issued by DPIIT and subsequent order(s).

The details of the location(s) at which the local value addition is made are as follows:

1. _____ 2. _____

Thanking you,
Yours faithfully,

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

**** - Strike out whichever is not applicable.**

Note:

1. Bidders to note that above format, duly filled & signed by authorized signatory, shall be submitted along with the techno-commercial offer.
2. In case the bidder's quoted value is in excess of Rs. 10 crores, the authorized signatory for this declaration shall necessarily be the statutory auditor or cost auditor of the company (in the case of companies) or a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies).
3. In the event of false declaration, actions as per the above order and as per BHEL Guidelines shall be initiated against the bidder.

ANNEXURE – 13

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,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

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

Ref: 1) GeM Bid Specification No: ... GEM/2026/B/8172953 dated 17.10.2026

2) All other pertinent issues till date

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with 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 Bidder)**

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

Declaration for treatment of cases regarding conflict of interest

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

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration for treatment of cases regarding conflict of interest

Ref: Tender Reference No: ... GEM/2026/B/8172953 dated 17.10.2026....

The bidder 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 BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly;
- ii. The bidder (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 Authorized 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 bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor 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-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV.

The Bidder declares that they have read and understood the above aspects, and the bidder 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 Bidder(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 Bidder 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 BHEL as per extant policies/ guidelines.

(Signature of the authorized signatory of the bidder)

Undertaking for “Cyber security & Data privacy”
to be provided by the bidders along with offer

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Sub: Undertaking for “Cyber security & Data privacy”

Ref: Tender Reference No: ... GEM/2026/B/8172953 dated 17.10.2026

1. It is certified that ICT- components are sourced from approved "Trusted Sources" to prevent cyber-attacks.
2. It is ensured to protect confidential data, unauthorized transmission of data outside the required boundary, is prohibited and it is ensured that there is no data loss.
3. It is certified that the supplied hardware/software contains no spyware, ransomware, virus, or hidden functionalities that could compromise security.
4. The Compliance with applicable international standards (e.g., ISO/IEC 27001, IEC 62443-4) and/or latest local Indian regulations (IT Act, CERT-In guidelines) will be ensured.
5. It is certified that our sub-contractors/ sub-supplier also comply with the same cybersecurity.

(Signature of the authorized signatory of the bidder)

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm) FORM DG 39(B)

REV	DATE	ALTERED	BRIJ LAL	REV	DATE	ALTERED	BLR	CBOM No.		STATUS OF DRG	
02	05.08.26	CHECKED	ASHUTOSH SRIVASTAVA	01	10.04.25	CHECKED	ASHUTOSH	-----			
IN TABLE 2 NEW RANGE >420kg/cm ² ADDED, TECHNICAL REQUIREMENTS UPDATED. AS PE C/A NO. STE-26-F0116.				VAR. NO. 15 NEW ADDED AS PER CHANGE NO. STE-25-F0086.				AGREED DEPT.	NAME	SIGN	DATE
								----	----	----	
GRADE OF UNTOL.DIM.M/CGC/M/F.AA0230208				WELDING A/B/C/D AA0621104				GAS CUTTING-T3 AA0621101			

TABLE-1

VAR.NO.	DESCRIPTION	MAT. CODE NO	REMARK
00	PRESS. TRANSMITTER (0-80 BAR)	W97372652464	SIL2
01	PRESS. TRANSMITTER (0-16 BAR)	W97372652472	SIL2
02	PRESS. TRANSMITTER (-1) TO (+79) BAR	W97372652480	SIL2
03	DPT (-10) TO (+90) MBAR	W97372652499	SIL2
04	PRESS. TRANSMITTER 0-10BAR (ABS)	W97372652502	SIL2
05	PRESS. TRANSMITTER 0-1.3BAR, ABS	W97372652510	SIL2
06	FLOW TRANSMITTER 0-1800MBAR	W97372652529	SIL2
07	PRESS. TRANSMITTER (-1) TO (+3) BAR	W97372652537	SIL2
08	PRESS. TRANSMITTER (-1) TO (+9) BAR	W97372652545	SIL2
09	PRESS. TRANSMITTER (-1) TO (+39) BAR	W97372652553	SIL2
10	PRESS. TRANSMITTER (-1) TO (+19) BAR	W97372652561	SIL2
11	PRESS. TRANSMITTER 0-400 BAR	W97372652570	SIL2
12	PRESS. TRANSMITTER (-) 1 TO (+399) BAR	W97372652588	SIL2
13	PRESS. TRANSMITTER (-) 1 TO (+50) BAR	W97372652596	SIL2
14	PRESS. TRANSMITTER 0-110 BAR	W97372652600	SIL2
15	PRESS. TRANSMITTER (-1) TO (+109) BAR	W97372652618	SIL2

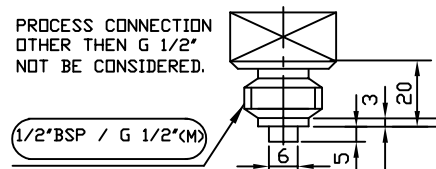
TABLE-2

RANGE	ACCURACY (FOR CALIBRATED RANGE)	TURNDOWN (FOR SPAN)	STABILITY (% OF CALIBRATED RANGE)
<=400mmwc	0.1%	20:1	+/-0.2% FOR 1 YEAR
>400mmwc	0.060%	50:1	+/-0.25% FOR 10 YEARS
>250kg/cm ²	0.065%	10:1	+/-0.15% FOR 5 YEARS
STATIC PRESSURE >420kg/cm ²	0.1%	10:1	+/-0.2% FOR 5 YEARS

TECHNICAL REQUIREMENTS:-

- 1 - BHEL MATERIAL CODE AS PER TABLE-1.
- 2 - ACCURACY, TURNDOWN AND STABILITY AS PER TABLE-2.
- 3 - SPECIFICATION NO. ST48010.
- 4 - OVER PRESSURE-150% OF CALIBRATED RANGE WITH NO OVER PRESSURE EFFECTS.
- 5 - BHEL / CUSTOMER APPROVAL REQUIRED ON COPY OF TYPE TEST.

PROCESS CONNECTION
OTHER THEN G 1/2"
NOT BE CONSIDERED.



BHARAT HEAVY ELECTRICALS LTD
HARDWAR

	NAME	SIGN	DATE	NO. OF VAR
DRN	SSTEBLR1	SSTEBLR1	01/02/2025	
CHD	SSTEAS2	SSTEAS2	01/02/2025	
APD	ASTEAS	ASTEAS	04/02/2025	

INVENTORY No.	DEPT. STE		SCALE	WEIGHT (Kg)	REF. TO ASSY. DRG.	ITEM No.	No OF ITEMS
	CODE 4011		N.T.S.	119	41337688101	--	--
SIGN & DATE	TITLE				DRAWING No.		
	PRESSURE TRANSMITTERS				41337688101		
REF. DRG. No.					SHEET No. 1 No. OF SHEETS 1		

2X 800 MW Koderma (LIST OF PT/DPT/HHC)

Sl. No.	MATERIAL CODE	Type	RANGE	KKS TAG	MAIN QUANTITY PER UNIT	Main Qty for 2 Unit	MANDATORY SPARE QUANTITY	Total Qty
1	W97372652570	PT	0-400 bar	MAA12CP021	6	12	2	14
				LBA11CP004				
				LBA11CP005				
				LBA12CP004				
				LBA12CP005				
				MAA14CP021				
2	W97372652618	PT	-1 TO 109 bar	LBQ90CP001	1	2	1	3
3	W97372652464	PT	0-80 bar	LBB11CP004	8	16	2	18
				LBB11CP005				
				LBB12CP004				
				LBB12CP005				
				LBB21CP001				
				LBB21CP002				
				LBB22CP001				
				LBB22CP002				
4	W97372652472	PT	0-16 bar	LBG30CP011	3	6	1	7
				LBG30CP012				
				QFB01CP001				
5	W97372652588	PT	-1 TO 399 bar	MAA50CP001	3	6	1	7
				MAA50CP002				
				MAA50CP003				
6	W97372652480	PT	-1 TO 79 bar	LBC10CP001	5	10	1	11
				LBC10CP002				
				LBC10CP003				
				MAB50CP001				
				MAB50CP002				
7	W97372652596	PT	-1 TO 50 bar	MAN52CP011	2	4	1	5
				MAN55CP011				
8	W97372652553	PT	-1 TO 39 bar	LBQ70CP001	1	2	1	3
9	W97372652561	PT	-1 TO 19 bar	LBQ60CP001	2	4	1	5
				LBS50CP001				
10	W97372652545	PT	-1 TO 9 bar	LBS40CP001	1	2	1	3
11	W97372652537	PT	-1 TO 3 bar	LBS30CP001	1	2	1	3
12	W97372652502	Absolute PT	0-10 abs	MAC11CP001	3	6	1	7
				MAC11CP002				
				MAC11CP003				

Sl. No.	MATERIAL CODE	Type	RANGE	KKS TAG	MAIN QUANTITY PER UNIT	Main Qty for 2 Unit	MANDATORY SPARE QUANTITY	Total Qty
13	W97372652510	Absolute PT	0-1.3 barabs	MAG10CP002	12	24	3	27
				MAG10CP003				
				MAG10CP004				
				MAG10CP012				
				MAG10CP013				
				MAG10CP014				
				MAG20CP002				
				MAG20CP003				
				MAG20CP004				
				MAG20CP012				
				MAG20CP013				
				MAG20CP014				
14	W97372652529	Flow Transmitter	0-1800 mbar	MAN53CF001	6	12	2	14
				MAN53CF002				
				MAN53CF003				
				MAN56CF001				
				MAN56CF002				
				MAN56CF003				
15	W97372652499	DPT	-10 TO 90 mbar	MAW20CP001	2	4	1	5
				MAW20CP002				
16	W90313376050	HAND HELD COMMUNICA TOR	-	-	1	2	0	2

NOTE: TAG PLATES SHOULD BE PUNCHED WITH THE KKS TAG GIVEN IN THE LIST. THE TAG NAME SHOULD BE INDELIABLE. TAG PLATE TO BE TIED ON THE TRANSMITTER WITH THE HELP OF A WIRE.

-sd-
Ahutosh Srivastava
Manager /CIE
26.09.26

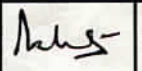
-sd-
Sheetal Singh
Sr. Mgr/CIE
26.09.26

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक PRODUCT STANDARD	ST 48010 पृष्ठ 8 का 1 Page 1 of 8
सामग्री सूची संख्या को अंकित किया गया है	SUPERSEDES INVENTORY NO.	<u>PRESSURE/DIFFERENTIAL PRESSURE TRANSMITTER/ TRANSMITTER FOR FLOW (SMART TYPE)</u>	
1.0 SCOPE: This specification covers the technical requirements of Electronic Pressure Transmitter used for gauge pressure, absolute pressure, differential pressure and flow measurements. The transmitter shall be complete with sensing element, amplifier etc. To suit the input pressure, output signal range, power supply and other technical requirements.			
1.1 APPLICATION: It shall be suitable for power plant applications for steam water and oil services. The transmitter shall be of proven performance & highest reliability.			
1.2 DESIGNATION: A pressure transmitter to this standard of range 0-025 Kg/Cm2 and size no. 005 shall be designated as follows :			
On Drawing			
i) Drg. No. Column : ST 48010.007 ii) Description Column : Press. Transmitter 0-025 Kg/Cm2 iii) Material Specification column : ST 48010 iv) Material Code column : W97372651069			
For placing Purchase Indents: i) Pressure transmitter 0-025 Kg/Cm2. ST 48010.005			
2.0 COMPLIANCE WITH NATIONAL STANDARD: There is no Indian standard on the above subject. However assistance has been taken from BS6447 and data sheets of various Manufacturers.			
सामग्री सूची संख्या INVENTORY NO.	हस्ताक्षर एवं दिनांक SIGN & DATE	स्वत्वाधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत हेतु इलेक्ट्रिकल को सम्पत्ति है इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए	
P-5731	23/8/03	23/8/03	
TSX	D.L. OBEROI	23/8/03	2003
QAX	S.K. ARORA	21/8/03	अनुवादक TRANSLATED BY
MEMBER P.S.C.	N.R. DEY	21/8/03	निर्माणकर्ता WORKED BY
सहायक विभाग	नाम	दिनांक एवं हस्ताक्षर	पर्यवेक्षणकर्ता SUPERVISED BY
AGREED DEPTT.	NAME	DATE & SIGNATURE	स्वीकृति
GRIJ LAL RAM	29/03/22	29/03/22	APPROVED :
RAJ NISHU & PTA	20/08/22	20/08/22	(B.K. BHALLA)
REV. NO. 05	Dt.	23/08/2022	PREPARED : STE
23/08/2022	23/08/2022	23/08/2022	ISSUED : TSX
23/08/2022	23/08/2022	23/08/2022	DATE : 20.8.88
CHANGE ADVICE NO.- TSX(CIE)-22-120			

दिनांक एवं हस्ताक्षर SIGN & DATE सामग्री सूची संख्या को अधिकृतित करता है सुपरसेडेस INVENTORY NO. सामग्री सूची संख्या को अधिकृतित करता है		 उत्पाद मानक PRODUCT STANDARD		ST 48010 पृष्ठ 8 का 2 Page 2 of 8							
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company		3.0 TECHNICAL REQUIREMENTS 3.1 MEASURING PRINCIPLE : Variable capacitance or any other principle well proven for power plant application involving electromagnetic noise. Bidder shall furnish all details required to establish the provenness. 3.2 TYPE: The Transmitter shall be intelligent (SMART) two-wire type. It shall have the capability of remote ranging and self-diagnostics and shall be able to communicate digitally with a higher order control system through suitable interfaces. 3.3 OUTPUT: Linear 4-20mA D.C. with a superimposed digital signal. Digital signal shall be as per latest version of Highway Addressable Remote Transducer (HART) protocol. Digital communication with the transmitter shall in no way affect the analog output. 3.4 POWER SUPPLY: Transmitter shall be capable of operation at a dc voltage from +15 to +30 Volt. Load-voltage curve shall be furnished along with the offer. Minimum load shall be 600 ohm at 24 V DC 3.5 FIELD COMMUNICATOR: It shall be possible to diagnose, calibrate and adjust all transmitter parameters from a hand held field communicator and from a remote PC. The field communicator and the PC based configuration software shall be offered as an optional item. Field communicator shall be battery operated. 3.6 DIGITAL COMMUNICATION: Necessary Protocol and configuration details shall be furnished by the supplier, if desired by BHEL, to establish a digital link with BHEL's DDC system/ PC based configuration station. 3.7 LOCAL ADJUSTMENTS: Local span and zero adjustments shall also be provided. Which shall be lockable. 3.8 FLOW MEASUREMENT: If the requirement of Flow Transmitter is specified in the enquiry, The output shall be Square root extracted. 3.9 LOCAL INDICATOR: Transmitter shall have local digital indication									
स्वत्वधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत भारती इलेक्ट्रिकल्स की संपत्ति है इसका प्रयोग एवं आवरण केवल से किसी भी तरह प्रयोग, जो कि कंपनी के हित में साविकारक हो न किया जाए ।		हस्ताक्षर एवं दिनांक SIGN & DATE सामग्री सूची संख्या INVENTORY NO. 3/11/04 P-5731				REV. NO. 05		निर्माणकर्ता WORKED BY S.K. SHARMA Sd/- 8.9.04		जांचकर्ता CHECKED BY K.B. BATRA Sd/- 8.9.04	

दिनांक एवं हस्ताक्षर दिनांक एवं हस्ताक्षर		उत्पाद मानक PRODUCT STANDARD		ST 48010 पृष्ठ 8 का 3 Page 3 of 8	
SUPERSEDES INVENTORY NO. सामग्री सूची संख्या को अधिकारित करता है	4.0 PERFORMANCE SPECIFICATIONS: 4.1 ACCURACY: $\pm 0.075\%$ or better of calibrated span (inclusive of hysteresis, linearity & repeatability) at turn down ratio of 10:1 or less. (For Absolute Pressure Range $\pm 0.1\%$ or Better) 4.2 ENVIROMENTAL CONDITIONS: Ambient temp. : -20 to + 80° C. Storage temp. : -20 to +80° C. Humidity. : Continuous operation at RH of 95%. 4.3 DRIFT (LONG TERM): Less then $\pm 0.15\%$ of span in <u>three years</u> . (For Absolute Pressure Range Less than $\pm 0.1\%$ of span in one year) 4.4 SUPPLY VOLTAGE EFFECT. : Less than 0.005 % per volt. 4.5 TEMPERATURE EFFECT. : Less than $\pm 0.05\%$ of span per 100° C. 4.6 ZERO ELEV.AND SUPPRESS: Anywhere within the range limits maintaining minimum allowable span. 4.7 TURN ON TIME: Max. 10 sec after power is applied to the transmitter. 4.8 DAMPING: Min 0-16 second, selectable in steps. 4.9 VIBRATION EFFECT: $\pm 0.2\%$ of span per g at 200 Hz in any axis. 4.10 RESPONSE TIME: Transmitter response time (63 % as per BS6447) shall be <150 ms. This shall include the dead time. Response time for output to reach 1% of the final value shall also be informed by the supplier. 4.11 OVER RANGE PRESSURE: The Transmitter shall be capable of withstanding the over range pressure as given in BS 6447. 4.12 Transmitter shall be immune to interference from electromagnetic noise. When a 1V, 50 m Hz alternating voltage is superimposed on the o/p signal, the change in mean dc level of output current shall not exceed 0.1% of output span. 4.13 UPDATE TIME: Worst case output update time shall be 50 m sec. 4.14 MOUNTING POSITION EFFECT: Zero shift should be able to be calibrated out by zero adjustment.				
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स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रयोग एवं आरक्षण रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए।					
हस्ताक्षर एवं दिनांक SIGN & DATE 					
सामग्री सूची संख्या INVENTORY P-5731	REV. NO. 0		निर्माणकर्ता WORKED BY S.K. SHARMA	जांचकर्ता CHECKED BY K.B. BATRA	8.9.04 8.9.04

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST48010 पृष्ठ 8 का 4 Page 4 Of 8	
SUPERSEDES INVENTORY सामग्री सूची संख्या को अपडेटिंग करना है	5.0 PHYSICAL SPECIFICATIONS: 5.1 HOUSING: Cast Aluminum Stoving enamel painted weather proof. 5.2 PROTECTION CLASS: IP 67 5.3 WETTED PARTS: SS 316 5.4 PROCESS CONNECTION: G 1/2" Male. In case an adopter is used to provide G 1/2" connection, it shall be factory fitted on the Transmitter. (REF.FIG.-1,SH-8). 5.5 FLANGE MATERIAL: SS (In case of DPT). 5.6 ELECTRICAL CONNECTION: Three Pin Plug receptacle connector (Amphetroneics/Allied make Or equivalent). Male part of the connector will be fixed with the Transmitter. 5.7 MOUNTING BRACKET: Transmitter shall be supplied with bracket for panel mounting along with Necessary fastners to mount the transmitter on the bracket. 04 Nos. mounting studs of size M10x70 With fine threads (material CS) shall be supplied for DPT and Flow transmitters only. 6.0 TURN DOWN RATIO: Minimum turn down ratio shall be 100:1 (for absolute pressure range minimum turn down ratio shall be 25:1). By using turndown ratio of the Transmitter, minimum variety of models shall be selected to cover all the ranges mentioned in the enquiry. It may be noted that specified accuracy is to be maintained for the calibrated rated range in each case. 7.0 IDENTIFICATION TAG: A blank stainless steel tag of size 60x20 mm shall be fastened with each Transmitter. 8.0 TESTS: Following tests shall be carried out by the supplier on each transmitter. 8.1 ROUTINE TESTS: a) Visual and dimensional check. b) Pressure range versus output signal test. c) Accuracy test. d) Test for adjustability of range. e) Process and electrical connection.				
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स्वत्वाधिकार एवं गोपनीयता इस प्रलेख में दी गई सूचना भारत भारती एलेक्ट्रिकल लिमिटेड की संपत्ति है इसका प्रयोग एवं प्रसारण अन्य से किसी भी तरह प्रयोग को बिना कम्पनी के लिखित अनुमति के बिना न किया जाए।					
दिनांक एवं हस्ताक्षर SIGN & DATE					
सामग्री सूची संख्या INVENTORY NO.	REV. NO. 05		निर्माणकर्ता WORKED BY	BRIJ LAL RAM	 06.04.16
सामग्री सूची संख्या INVENTORY NO.	REV. NO.		जांचकर्ता CHECKED BY	MAYURI	 06.04.16

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक PRODUCT STANDARD		ST 48010	
				पृष्ठ 8 का 5 Page 5 of 8	
सामग्री सूची संख्या को INVENTORY NO.	SUPERSEDES INVENTORY NO.	8.2 TYPE TESTS: IEC 60529 a). Enclosure protection as per A or equivalent national Standard. b). Test for performance characteristics as per specified in clauses 4.3,4.4,4.5,4.9,4.10,4.11,4.12. Method of tests shall be carried out as per BS 6447. 9.0 TEST CERTIFICATES: 9.1 3 copies of the tests certificate shall be furnished along with each transmitter giving following details: i) Name of instrument. ii) Name of manufacturer. iii) Serial no of the instrument. iv) Date of testing. v) BHEL PO NO. vi) Results of tests detailed in clause 8.0. 9.2 Certificate of compliance to specification ST48010. 10.0 GUARANTEE : A guarantee certificate of trouble free performance for 24 months from the date of shipment or 12 months from the date of commissioning, which ever is earlier, shall be furnished by the supplier. 11.0 DOCUMENTS: Data sheet (<u>Mentioning all the clauses 3.0 to 6.0</u>) of offered transmitters shall be furnished by the bidder for BHEL/Owner's approval. Two copies of detail technical literatures, operation and maintenance manuals shall be furnished with the offer . Complete technical literature is also to be furnished in "<u>SOFT FORM</u>" in a <u>CDROM</u> after placement of order. 12.0 DEVIATIONS: Deviations from these specifications, if any, shall be clearly brought out in the offer.			
स्वत्वाधिकार एवं गोपनीय The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company					
हस्ताक्षर एवं दिनांक SIGN & DATE					
सामग्री सूची संख्या INVENTORY NO.	स्वत्वाधिकार एवं गोपनीय इस प्रलेख में की गई सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रयोग एवं प्रसारण के बिना भी तब तक प्रयोग, जो कि: कंपनी के हित में हानिकारक हो न किया जाए	REV. NO. 05	निर्माणकर्ता WORKED BY S.K. SHARMA		21/8/03
P-5731			जांचकर्ता CHECKED BY K.B. BATRA		21-8-03

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक PRODUCT STANDARD		ST 48010	
				पृष्ठ 8 का 6 Page 6 of 8	
सामग्री सूची संख्या को INVENTORY NO.	SUPERSEDES INVENTORY NO.	13.0 PACKING : Each instrument with dehydrating agent shall be sealed individually in a polythene sheet and packed in a thermo Cole box. Such boxes shall be packed in a carton or case with adequate cushioning material to withstand transit risks without damage. 14.0 Supplier shall enclose the list of spare parts required for 3 years normal operation and quote for the same separately. 15.0 QUALITY PLAN: Detail quality plan for the tests and checks to be carried out during material induction, manufacturing and at final stage shall be submitted in BHEL's Format along with in house standard procedures/ norms for BHEL's approval. 16.0 MARKING : The following details shall be marked on the packing case. (a) Manufacturer's name or trademark. (b) B H E L order number. (c) BHEL standard NO. - ST48010. 17.0 NAME PLATE: Each instrument shall have a name plate with the Following details marked on it : (a) Manufacturer's name or trademark. (b) Type of the Instrument. (c) Model Number of the Manufacturer. (d) Maximum Range. (e) Calibrated Span. (f) Accuracy. 18.0 CROSS - REFFERED STANDARDS : (1) IEC 60529 (2) BS 6447			
सामग्री सूची संख्या INVENTORY NO.	स्वत्वाधिकार एवं गोपनीय The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	दिनांक एवं हस्ताक्षर SIGN & DATE	दिनांक एवं हस्ताक्षर SIGN & DATE		
P-5731	23/8/03	REV. NO. 05	निर्माणकर्ता WORKED BY	S.K. SHARMA	21/8/03
P-5731	23/8/03	REV. NO. 05	जांचकर्ता CHECKED BY	K.B. BATRA	21.8.03

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक PRODUCT STANDARD		ST 48010	
				पृष्ठ 8 का 7 Page 7 of 8	
SUPERSEDES INVENTORY					
सामग्री सूची संख्या को अधिकारित करता है					
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company					
स्वत्वधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए					
दिनांक SIGN & DATE		REV. NO.			
23/8/03		05			
P-5731		निर्माणकर्ता WORKED BY		S.K. SHARMA	21/8/03
		जांचकर्ता CHECKED BY		K.B. BATRA	21.8.03

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक PRODUCT STANDARD		ST 48010	
भारती सूची संख्या को INVENTORY NO.		DESC.		MEASURING RANGE KG/SQ.CM. Or BAR	
भारती सूची संख्या को INVENTORY NO.		02. ABSOLUTE PRESSURE (PN-4)		0-0.6 Abs 0-0.4 Abs 0-1 Abs	
भारती सूची संख्या को INVENTORY NO.		03. DIFFERENTIAL PRESSURE (PN-100)		0-1000 MMWC 0-100 M BAR (-100)-(+300) MMWC (-10)-(+30) M BAR (-100)-(+900) MMWC (-10)-(+90) M BAR	
भारती सूची संख्या को INVENTORY NO.		04. FLOW (PN-100)		0-1 BAR 0-60 BAR 0-0.7 0-1.0	
भारती सूची संख्या को INVENTORY NO.		041 042 043		091 092 093	
भारती सूची संख्या को INVENTORY NO.		031 ---		--- 081	
भारती सूची संख्या को INVENTORY NO.		032 ---		--- 082	
भारती सूची संख्या को INVENTORY NO.		033 ---		--- 083	
भारती सूची संख्या को INVENTORY NO.		---		084 085	
भारती सूची संख्या को INVENTORY NO.		101 102		111 112	
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स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत भारी इलेक्ट्रिकल्स की संपत्ति है इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए।					
FIG -1 PROCESS CONNECTION OTHER THAN G 1/2 " NOT BE CONSIDERED. 1/2" BSP/G 1/2"(M)					
दिनांक एवं हस्ताक्षर SIGN & DATE		REV. NO. 05		निर्माणकर्ता WORKED BY S.K. SHARMA	
दिनांक एवं हस्ताक्षर SIGN & DATE		जांचकर्ता CHECKED BY K.B. BATRA		21/8/03 21.8.03	

REV	DATE	ALTERED	REV	DATE	ALTERED	J.S.B.	GMS No/GRSP No.	STATUS
		CHECKED	01	20/9/06	CHECKED	S.K.S.	CBOM 31337622100	OF DRG
			CHANGE NO.			AGREED	NAME	SIGN
			STE-06-F0218			DEPT.		DATE

GRADE OF UNTOL.DIM.M/CGC/M/F.AA0230208 WELDING A/B/C/D AA0621104 GAS CUTTING-T3 AA0621101

HAND HELD COMMUNICATOR

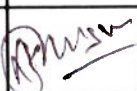
HAND HELD COMMUNICATOR SHALL BE COMPATIBLE TO THE SMART TYPE TRANSMITTER WITH HART PROTOCOL. IT SHALL BE POSSIBLE TO CONNECT THE HHC ANY WHERE IN THE TRANSMITTER LOOP FOR CARRYING OUT THE FUNCTIONS AS DIFINED BELOW. CONNECTION OF HHC SHALL NOT DISTURB THE 4-20 mA SIGNAL ANYWAY.

- HHC SHALL BE UNIVERSAL TYPE WHICH CAN BE USED FOR ANY HART DEVICE AND APPROVED BY HART FOUNDATION. IT SHALL BE SUITABLE FOR LATEST VERSION OF HART PROTOCOL.
- HHC SHALL BE ABLE TO PERFORM THE FOLLOWING MINIMAM FUNCTIONS.
 - DEVICE SET UP.
 - DIAGNOSTIC MESSAGE DISPLAY.
 - PROCESS VALUE DISPLAY.
 - CHANGE OF ENGINEERING UNITS.
 - LOOP TESTING.
 - RANGE TESTING.
- POWER SOURCE : SUITABLE DC BATTERIES WITH CHARGER.
- KEY BOARD : AN ALPHANUMERIC KEY BOARD CONTAINING ALL REQUIRED FUNCTION KEYS.
- SUITABLE CONNECTORS AND CABLES SHALL BE SUPPLIED BY THE VENDER.
- OPERATING TEMPERATURE RANGE : 0 to 50 Deg /C
- STORAGE TEMPERATURE RANGE : 0 to 60 Deg /C
- ACCESSORY: CARRYING CASE.
- O & M MANUAL IN ENGLISH LANGUAGE TO BE FURNISHED WITH THE OFFER.

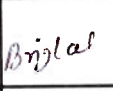
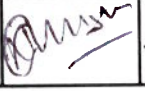
S1-29738 INVENTORY No.	16/03/1999 SIGN & DATE	REF.DRG.No.	001	HAND HELD COMMUNICATOR	W90313376050	0	50
REMARKS		ITEM No.	DESCRIPTION	MATERIAL CODE	A	UNIT WT. 65	
65		75	25	27	29	58	59
CARD TYPE 3		28	TYPE 1	28	CARD TYPE 2	28	71
Bharat Heavy Electricals Ltd		HARDWAR		NAME	SIGN	DATE	NO. OF
DRN		J. S. BHANDARI	-do-	15. 02. 1999	73	74	
CHD		S.CHANDRA	-do-	15. 02. 1999	75	77	
APD		A. ALI	-do-	08. 03. 1999	75	77	
DEPT. STE		SCALE	WEIGHT(Kg)	REF.TO ASSY.DRG.	ITEM No.	No OF	ITEMS
CODE 4011		N. T. S.	0. 500	31337622100	15	75	77
TITLE				DRAWING No.			
HAND HELD COMMUNICATOR				41337622101			
				SHEET No. 01			
				No.OF SHEETS 01			

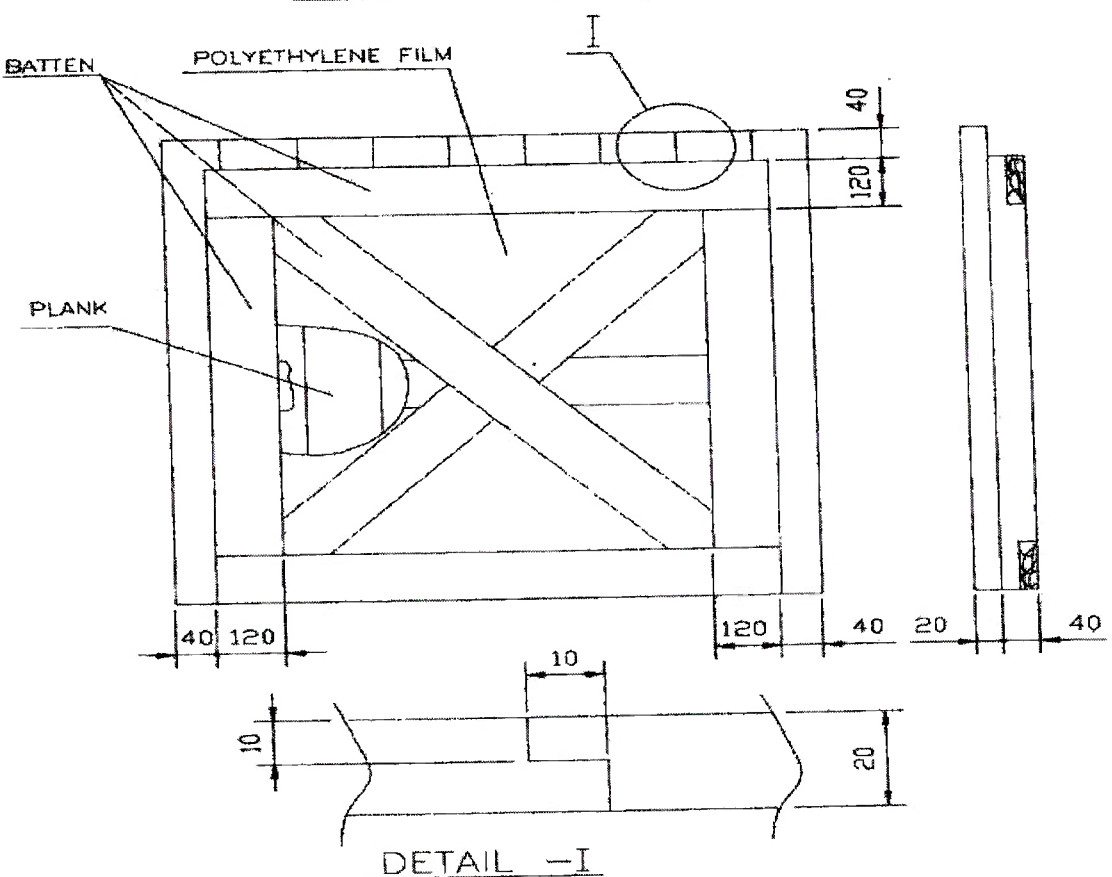
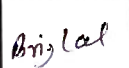
दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST33002											
				पृष्ठ 10 का 1 Page 1 of 10											
SUPERSEDES INVENTORY NO	GENERAL AND SEAWORTHY PACKING INSTRUCTIONS FOR TURBINE INSTRUMENTATION EQUIPMENT & ACCESSORIES														
<u>BASED ON OWN EXPERIENCE</u>															
1.0 SCOPE: This instruction covers the packing instruction for the safe dispatch and delivery of turbine instrumentation equipment like Electronic modules/ components, Indicator, Recorders, Transmitter, gauges, switches and other allied items, control cabinets & desks, Fitting, mounting accessories, impulse pipe lines and other related equipment and accessories.															
2.0 INTRODUCTION: The Turbine instrumentation equipment, components, cabinets and other accessories are of precision storage and special packaging is necessary to ensure safe transit and delivery of these items at the sites. Packaging should be done to protect these sophisticated and precision items against damage by means of shocks and vibration during handling and transportation, moisture, dust and other adverse climatic and environmental conditions. This specification is arranged in section as below: SECTION A: General packaging instructions common for all categories of items. SECTION B: Electronic modules, instruments & allied items. SECTION C: Starter panels. SECTION D: Fitting, mounting accessories and SECTION E: Impulse pipes.															
स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत के सभी गैरसिद्धिजन्य निर्यातकों की सम्पत्ति है। इसका प्रयोग या इस प्रलेख का उपयोग के बिना किसी भी प्रकार से किया जाये।															
दिनांक एवं हस्ताक्षर SIGN & DATE	<table border="1"> <tr> <td>नाम NAME</td> <td>दिनांक एवं हस्ताक्षर SIGNATURE & DATE</td> </tr> <tr> <td>अनुवादक TRANSLATED BY</td> <td></td> </tr> <tr> <td>निर्माणकर्ता WORKED BY</td> <td>BRIJ LAL RAM</td> </tr> <tr> <td>जांचकर्ता CHECKED BY</td> <td>LAXMI KANT MISHRA</td> </tr> <tr> <td>पर्यवेक्षणकर्ता SUPERVISED BY</td> <td>VINOD KUMAR</td> </tr> </table>					नाम NAME	दिनांक एवं हस्ताक्षर SIGNATURE & DATE	अनुवादक TRANSLATED BY		निर्माणकर्ता WORKED BY	BRIJ LAL RAM	जांचकर्ता CHECKED BY	LAXMI KANT MISHRA	पर्यवेक्षणकर्ता SUPERVISED BY	VINOD KUMAR
नाम NAME	दिनांक एवं हस्ताक्षर SIGNATURE & DATE														
अनुवादक TRANSLATED BY															
निर्माणकर्ता WORKED BY	BRIJ LAL RAM														
जांचकर्ता CHECKED BY	LAXMI KANT MISHRA														
पर्यवेक्षणकर्ता SUPERVISED BY	VINOD KUMAR														
मामरी सूची नम्बर INVENTORY NO.	<table border="1"> <tr> <td>महामन विभाग AGREED DEPT.</td> <td>नाम NAME</td> <td>दिनांक एवं हस्ताक्षर DATE & SIGNATURE</td> <td>स्वीकृति APPROVED : B.S.RANA</td> <td>Gr. NO.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>ST6.18</td> </tr> </table>					महामन विभाग AGREED DEPT.	नाम NAME	दिनांक एवं हस्ताक्षर DATE & SIGNATURE	स्वीकृति APPROVED : B.S.RANA	Gr. NO.					ST6.18
महामन विभाग AGREED DEPT.	नाम NAME	दिनांक एवं हस्ताक्षर DATE & SIGNATURE	स्वीकृति APPROVED : B.S.RANA	Gr. NO.											
				ST6.18											
REV.NO. Dt. CHANGE ADVICE NO.	<table border="1"> <tr> <td>निर्माण PREPARED : C.I.E</td> <td>आरी ISSUED : TSX</td> <td>दिनांक DATE : 16.03.81</td> </tr> </table>					निर्माण PREPARED : C.I.E	आरी ISSUED : TSX	दिनांक DATE : 16.03.81							
निर्माण PREPARED : C.I.E	आरी ISSUED : TSX	दिनांक DATE : 16.03.81													

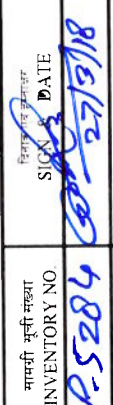
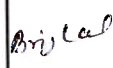
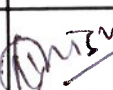
दिनांक एवं इम्पावर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST33002	
				पृष्ठ 10 का 2 Page 2 of 10	
SUPERSEDES INVENTORY	3.0 PACKAGING INSTRUCTIONS :				
मासगी सूची नम्बर को अधिनिर्दिष्ट करना है	3.1 (A) GENERAL :				
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	(i) The packaging should be done in a clean, dust free packing area/room.				
	(ii) Wherever possible, the original packing materials like thermocol box/ chips, packing paper, board, cotton waste, rubberized coir, wood wool etc. should be used for packaging of these equipments etc.				
	(iii) All the items should be thoroughly checked for any possible mechanical damage/ distortion/ dents and rust/ corrosion etc. Appropriate rectification measures should be taken to remove such defects and if required engineering division should be consulted.				
	(iv) While packaging, all the items should be temporarily stored on raised wooden platform covered with clean parchment paper.				
	(v) The repacking of all the bought out items must be done in the original way as they were received from the manufacturers/ suppliers. It must be ensured that the polythene bags are properly sealed, air tight and sufficient cushioning with rubberized coir or wood wool has been provided to various items and containers/ boxes.				
स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत भारती लिमिटेड की सम्पत्ति है इसका प्रसारण एवं प्रकाशन के बिना भारत भारती लिमिटेड की स्वीकृति के बिना न किया जाय	(vi) The packing box should be made water proof by putting a continuous barrier of water- proof bitumen paper/craft paper over the internal surfaces of the box to make it sufficiently impervious to water, and small silica gel bags suitably placed inside the packages. This can be done by using tar felt on the top of all the boxes. It should project by 50mm on all the sides and projected part should be nailed and overlap of the tar felt should be avoided.				
	(vii) The packaging should be done in such a way that the individual instruments/ containers/ boxes do not have relative movement inside the packing box during handling and transportation. Sufficient stiffness should be provided on the packing boxes to withstand mechanical shocks/ vibrations and other transit hazards.				
दिनांक एवं इम्पावर SIGN & DATE	(viii) Wherever necessary, threaded/ machined portion should be coated with grease and wrapped with wax paper and tied with thread. Alternatively, threaded part may be wrapped with corrugated paper.				
मासगी सूची नम्बर INVENTORY NO.	REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM	23/03/18
P-5284			जांचकर्ता CHECKED BY	LAXMIKANT MISHRA	23/03/18

निम्नक एवं दिनांक SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST33002	
				पृष्ठ 10 का 3 Page 3 of 10	
SUPERSEDES INVENTORY नामकी सूची संख्या को प्रतिस्थापित करना है	3.2 (B) ELECTRONIC MODULES INSTRUMENTS AND ALLIED ITEMS: (i) All the Electronic modules/instruments and accessories should bear respective tag numbers as indicated in the shipping list. (ii) Individual instruments like indicators, recorders, transmitters, gauges, switches, detectors and electronic modules/ components should be sealed air tight in polythene bags which should contain silica gel in small bags of cotton cloth. Also volatile corrosion inhibitor (VCI) powder on table can be put in the bags/boxes containing the instruments. (iii) After sealing in polythene bags these items should be packed in small sized boxes, preferably original ones, with sufficient thermocol chip/ molded thermocol box/ card board box as the case may be. These boxes should be packed with sticking cello tapes and cotton tapes. (iv) The outside of these smaller boxes should carry dispatch unit number, packing box number and the tag number of the instrument/ equipment as shown in the shipping list. (v) Number of such small sized boxes should be kept in bigger sized box/carbon and these boxes/cartons should be in turn securely placed in the packing box in such a way that no damaged occurs because of handling, shifting, lifting or transportation. (vi) Thermocouple and Resistance thermometer shall be packed in suitable sized wooden box with appropriate & sufficient cushioning materials.				
3.3 (C) CABINETS & STARTER PANELS : (i) The cabinet or starter panels should be clamped securely and firmly to the base plate of packing box with suitable nuts & bolts. (ii) The cabinets or starter panels shall be sealed airtight with polythene bags and a cotton bag containing silica gel shall be place inside the cabinets. As the cabinets/ starter panels etc. contain small mechanical contacts so VCI paper can be wrapped all around and fixed with tape. (iii) Sufficient stiffness/braces with padded cushions should be provided to ensure rigid packing.					
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited It must not be used directly or indirectly in any way detrimental to the interest of the company	स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई जानकारी भारत भारती लिमिटेड की संपत्ति है। इसका प्रयोग अन्य उद्देश्य के लिए या इस जानकारी के बिना किसी भी प्रकार से न किया जाय।				
निम्नक एवं दिनांक SIGN & DATE 	निम्नक एवं दिनांक SIGN & DATE 				
नामकी सूची संख्या INVENTORY NO. P-5284	REV. NO. 02		निर्माणकर्ता WORKED BY BRIJ LAL RAM	Brij Lal	23/03/18
			जांचकर्ता CHECKED BY LAXMIKANT MISHRA		26/03/18

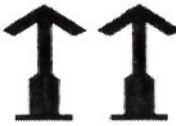
निष्कर्ष एवं तारीख SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST33002	
				पृष्ठ 10 का 4 Page 4 of 10	
SUPERSEDES INVENTORY	3.4 (D) FITTINGS & MOUNTING ACCESSORIES ETC. : (i) This category includes items like instrument valves, nipples, brackets, fasteners etc. (ii) Apply appropriate coating of grease on the threaded and machine portion and wrap the individual item with wax paper and tie with thread.				
सामग्री सूची बनाना को प्रतिबन्धित करना है					
3.5 (E) IMPULSE PIPE LINES : (i) Impulse pipe lines are to be closed at both the ends by rubber plugs/ Neoprene grommets to prevent the clogging of pipelines by foreign materials/ dust, wood powder etc. (ii) While packing these pipelines care should be taken that no heavy material is put on top of them. This is necessary to ensure protection against mechanical damage. (iii) All the impulse pipe lines in a packing box should be tied with steel wires in small groups of 10-15 pipe lines (iv) Due care should be taken so that loose item such as above do not collide with each other causing damage to thread /machined port.					
4.0 SEA-WORTHY PACKING INSTRUCTIONS FOR EXPORT PROJECTS AND SEA COASTAL PROJECTS:					
4.1 GENERAL The standard covers guide lines for making Sea- worthy standard packing boxes to be used for transportation for export orders. Vendors shall be responsible for packing and shall meet the minimum requirements specified herein.					
4.2 SCOPE IN ADDITION TO CLAUSE NO. 1.0 AS ABOVE The procedure specifies minimum guidelines to be complied with for packing of electrical and electronic Components /Assemblies/Equipments. This specification shall be suitable for different handling operations and the adverse conditions during transportation and during indoor/outdoor storage for period of minimum two years.					
4.3 WOOD SPECIFICATION FOR PACKING The wood used for packing shall conform to specification ISPM NO. 15. (International Standards for Phytosanitary Measures).					
निष्कर्ष एवं तारीख SIGN & DATE	सामग्री सूची संख्या INVENTORY NO.	REV. NO. 02	निर्माणकर्ता WORKED BY	BRIJ LAL RAM	28/03/18
निष्कर्ष एवं तारीख SIGN & DATE	सामग्री सूची संख्या INVENTORY NO.		जांचकर्ता CHECKED BY	LAXMIKANT MISHRA	28/03/18

निर्माणक SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार)		ST33002			
		PRODUCT STANDARD (HEEP: HARIDWAR)		पृष्ठ 10 का 5 Page 5 of 10			
समय-सी सीमा में अतिरिक्त कार्य है	SUPERSEDES INVENTORY	4.4 REQUIREMENTS FOR PACKING CASE: 4.4.1 All equipment and materials shall be suitably coated wrapped, or covered and boxed or crated for export shipment so as to prevent damage during handling and storage at the Site. Cardboard containers (if any) shall be enclosed in a solid wooden container to avoid damage during transit. 4.4.2 Equipment and process materials shall be packed and semi knocked down, to the extent possible, to facilitate handling and storage and to protect bearings and other machine surfaces from oxidation. Each container box, crate or bundle shall be reinforced with steel strapping, in such a manner that breaking of one strap will not cause complete failure of the packaging. The packing shall be of best standard to withstand rough handling and to provide suitable protection from tropical weather while in transit and while awaiting erection at the site. 4.4.3 Waterproof paper and felt linings shall overlap at seams at least 15mm and the seams shall be secured together. 4.4.4 Equipment and materials in wooden cases or crates shall be properly cushioned to withstand the abuse of handling, transportation and storage. Packing shall include preservatives suitable for tropical conditions. All machine surfaces and bearings shall be coated with oxidation preventative compounds. All parts subject to damage when in contact with water shall be coated with suitable grease and wrapped in heavy asphalt or tar impregnated paper. 4.4.5 Fumigation of boxes including plywood/spacers shall be carried out as per ISPM 15 to make it pest free. All wood packing in each consignment shall be free from bark and all visible signs and fungal attack at the time of shipment. 4.4.6 Components sub-assemblies and assemblies sensitive to climatic conditions shall be packed seal tight. All the openings of the sensitive components, sub-assemblies and assemblies shall be blanketed to prevent the ingress of dust and moisture. The components sub-assemblies and assemblies shall be completely covered with 2 layers of polyethylene sheet. Polyethylene sheet to be used shall be UV stabilized. All sharp corners and edges are to be protected by rubber mats to prevent damage the polyethylene sheet. Top surface of the case shall be free from dents to prevent rain water pockets.					
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	स्वत्वाधिकार एवं गोपनीय इस प्रत्यक्ष में की गई सूचना भारत भारती गैर-संयुक्तित्व निमित्त की सुरक्षा है, उपर्युक्त प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग को कि, कम्पनी के हित में हानिकारक हो न किता						
						निर्माणक SIGN & DATE	
						समय-सी सीमा में INVENTORY NO.	P-5286
REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM		28/03/18		
		जांचकर्ता CHECKED BY	LAXMIKANT MISHRA		28/03/18		

SIGN & DATE  27/3/18		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST33002 पृष्ठ 10 का 6 Page 6 of 10	
SUPERSEDES INVENTORY आयुर्वी मूल्य मन्त्रालय अधिनियम बनाया है	4.4.7 The four sides shall be lined, from inside with multi-layered polyethylene sheet of at least 120 GSM and tacked at suitable places. Whenever specified in addition to the polyethylene sheet the top cover will have a layer of bitumen felt over the cover. This should project about 100 - 250 mm on all sides shall be provided between frame and planks of the end and side shook as shown in Fig. (For reference only.)				
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	END SHOOK 				
स्वाधिकार एवं गोपनीय इस प्रलेख में की गई सूचना भारत के वी एनईएलसी लिमिटेड की सम्पत्ति है। इसका प्रयोग अन्य उद्देश्य के लिए बिना लिखित अनुमति के किया जाना नहीं चाहिए।					
SIGN & DATE  27/3/18	REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM	 28/03/18
आयुर्वी मूल्य मन्त्रालय INVENTORY NO. P-5284			जांचकर्ता CHECKED BY	LAXMIKANT MISHRA	 28/03/18

निम्नलिखित जानकारी SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार)		ST33002		
		PRODUCT STANDARD (HEEP: HARIDWAR)		पृष्ठ 10 का 8 Page 8 of 10		
SUPERSEDES INVENTORY	All packages shall be covered on all sides with suitable GI sheets.					
मामूली सूची संख्या को प्रतिबिम्बित करना है	4.4.8 Cover the whole equipment with polyethylene sheet of at least 120 GSM, on all sides preferably by a single piece. 4.4.9 Silica gel is used for this purpose to protect the contents over sufficiently long time from corrosion. At the time of use, silica gel should be so dried that its color becomes dark blue. These shall be filled in small cotton bags. Before sealing the equipment, the silica gel bags should be kept inside the polyethylene film cover at different locations. The quantity of silica gel should not be less than 2.0 Kg per m3 volume of the packing box. 4.4.10 Each case shall contain a packing list showing the detailed contents of the package. When any technical documents are supplied along with the shipment of materials no single package shall contain more than one set of such documents. Shipping papers shall clearly indicate in which packages the technical documents are contained. 4.4.11 The case number shall be written in the form of a fraction, the numerator of which is the serial number of the case and the denominator the total number of case in which a complete unit of equipment is packed. 4.4.12 Wherever necessary besides usual Inscriptions the cases shall bear special indication such as "Top", "Do not turn over", "Care", "Keep dry", etc., as well as indication of the center of gravity (with red vertical lines) and places for attaching slings (with chain marks). For all fragile equipment, unit should take special care to pack and label with additional markings such as " FRAGILE, HANDLE WITH CARE", "LIFTING POINTS", "THIS WAY UP", " DO NOT STACK" etc. to protect them from damage in transit. 4.4.13 Completeness of Contents of each packing case: Concerned CQA/Unit QC/Third Party Inspection Agency shall verify the completeness of contents of each package w.r.t. packing list both in terms of quality and quantity before authorizing dispatch of the consignment. Packing commensurate with international standards and accepted norms will be ensured by CQA/ Unit QC/Third Party Inspection Agency. Packing has to be sea-worthy and secure. As far as possible, the packing has to be rectangular in shape for optimum space utilization in the ship and economize on shipping costs. Projections on packages are prohibited.					
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company						
स्वसाक्षिकार एवं गोपनीय इस प्रलेख में की गई सूचना भारत हेवी इलेक्ट्रिकल्स लिमिटेड की सम्पत्ति है इसका प्रयोग एवं प्रसारण अन्य से किसी भी तरह प्रयोग को बिना कम्पनी के लिखित में इतिहासक हो न किया जाय।						
निम्नलिखित जानकारी SIGN & DATE						
मामूली सूची संख्या INVENTORY NO.	REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM		23/03/18
P-5284			जांचकर्ता CHECKED BY	LAXMIKANT MISHRA		23/03/18

निष्कासक/प्रमाणित SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार)		ST33002							
		PRODUCT STANDARD (HEEP: HARIDWAR)		पृष्ठ 10 का 9 Page 9 of 10							
SUPERSEDES INVENTORY	सामग्री सूची नक़्का को अधिकृतित करना है	4.4.14 Completeness of Contents of each packing case: The packing list has to be checked and certified by the Inspection agency with due signatures. All packages shall be enclosed in suitable GI sheets on all sides. The top of box should be covered by GI sheet in single length & width. No loose items Gunny bag packing is allowed for shipment. 4.4.15 Provision of Inspection Windows on Packages: Vendors should provide inspection window of size 6" x 4" (glass perplex) for customs examination for all packages (above 1.5 x 1.5 x 1.5 cum) involving panels of any kind. Care would be taken to ensure that all packages are properly sealed to avoid ingress of moisture, rodents etc. Packing slip folders shall be attached outside with each box. 4.4.16 Provision of Humidity Indicator: - Humidity indicator must be provided in each packing boxes. Humidity indicator shall be placed behind inspection window or as far as practicable from the nearest unit of desiccant. - Use a three-spot paper card type 1x4 inches in size to show humidity with instruction as indicated in figure below. The spots indicate relative humidity of 50 percent, 40 percent and 30 percent, top to bottom, by changing color from blue to pink. HUMIDITY INDICATOR <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">EXAMINE ITEM IF PINK</td> <td style="border: 1px solid black; border-radius: 50%; width: 40px; text-align: center; padding: 5px;">50</td> </tr> <tr> <td style="padding: 5px;">CHANGE DESSICANT IF PINK</td> <td style="border: 1px solid black; border-radius: 50%; width: 40px; text-align: center; padding: 5px;">40</td> </tr> <tr> <td style="padding: 5px;">WARNING IF PINK</td> <td style="border: 1px solid black; border-radius: 50%; width: 40px; text-align: center; padding: 5px;">30</td> </tr> </table> 4.4.17 Marking for Safe Handling: To ensure safe handling, packing case shall be marked to show the following: - Upright position. - Sling position and Centre of Gravity position. - Storage category. Fragile components (to be marked properly with a clear warning for safe handling).				EXAMINE ITEM IF PINK	50	CHANGE DESSICANT IF PINK	40	WARNING IF PINK	30
EXAMINE ITEM IF PINK	50										
CHANGE DESSICANT IF PINK	40										
WARNING IF PINK	30										
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited It must not be used directly or indirectly in any way detrimental to the interest of the company		स्वत्वाधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स लिमिटेड की सम्पत्ति है इसका प्रयोग एवं प्रकाशक रूप में किसी भी तरह प्रयोग ओ कि कम्पनी के हित में प्रसारित करने में न किया जाय									
निष्कासक/प्रमाणित SIGN & DATE											
सामग्री सूची नक़्का INVENTORY NO.	REV. NO. 02		निर्माणकर्ता WORKED BY	BRIJ LAL RAM		23/03/18					
25284			जांचकर्ता CHECKED BY	LAXMIKANT MISHRA		23/03/18					

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद मानक (हीप : हरिद्वार) PRODUCT STANDARD (HEEP: HARIDWAR)		ST33002	
				पृष्ठ 10 का 10 Page 10 of 10	
सामग्री सूची संख्या को प्रतिबिम्बित करना है SUPERSEDES INVENTORY	4.4.18 Shipping Documentation including those covered by customs requirements: i. Packing List (O&M manual to be listed in packing list, if sent along with consignment). ii. Fumigation certificate for wooden boxes 4.4.19 THE FOLLOWING DETAILS ARE TO BE MARKED ON THE PACKING CASES: a) Address of consignee. b) Purchase Order No. c) Description of item or title of packing list. d) Case identification Number. e) Net Weight. f) Gross Weight. g) Dimensions of box h) Marking showing upright position. i) Marking showing umbrella (i.e. for machines/ components to be stored under covered storage). MARKING ON PACKING BOXES  A  B  C  D  E A UPRIGHT B FRAGILE C PROTECTION FROM FALLING OR CONDENSING MOISTURE D SLING POSITION E PROTECTION FROM DIRECT RADIATION				
5.0 CROSS REFERRED STANDARD: IS 3401-1992, BS 3482-1991, IS 6263-1972 & IEC 68-2-30:1980.					
सामग्री सूची संख्या INVENTORY NO. P-5284	REV. NO. 02	निर्माणकर्ता WORKED BY BRIJ LAL RAM	जांचकर्ता CHECKED BY LAXMIKANT MISHRA	दिनांक एवं हस्ताक्षर SIGN & DATE 23/03/18	दिनांक एवं हस्ताक्षर SIGN & DATE 23/03/18

	CORPORATE QUALITY ASSURANCE SUB-VENDOR QUESTIONNAIRE
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i.	Item/Scope of Sub-contracting			
ii.	Address of the registered office	Details of Contact Person (Name, Designation, Mobile, Email)		
iii.	Name and Address of the proposed Sub-vendor's works where item is being manufactured	Details of Contact Person: (Name, Designation, Mobile, Email)		
iv.	Annual Production Capacity for proposed item/scope of sub-contracting			
v.	Annual production for last 3 years for proposed item/scope of sub-contracting			
vi.	Details of proposed works			
1.	Year of establishment of present works			
2.	Year of commencement of manufacturing at above works			
3.	Details of change in Works address in past (if any)			
4.	Total Area			
	Covered Area			
5.	Factory Registration Certificate	Details attached at Annexure – F2.1		
6.	Design/ Research & development set-up (No. of manpower, their qualification, machines & tools employed etc.)	Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design) Details attached at Annexure – F2.2 (if applicable)		
7.	Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc)	Details attached at Annexure – F2.3		
8.	After sales service set up in India, in case of foreign sub-vendor (Location, Contact Person, Contact details etc.)	Applicable / Not applicable Details attached at Annexure – F2.4		
9.	Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any	Details attached at Annexure – F2.5		

	CORPORATE QUALITY ASSURANCE SUB-VENDOR QUESTIONNAIRE
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10.	Quality Control exercised during receipt of raw material/BOI, in-process , Final Testing, packing	Details attached at Annexure – F2.6			
11.	Manufacturing facilities (List of machines, special process facilities, material handling etc.)	Details attached at Annexure – F2.7			
12.	Testing facilities (List of testing equipment)	Details attached at Annexure – F2.8			
13.	If manufacturing process involves fabrication then- List of qualified Welders List of qualified NDT personnel with area of specialization	Applicable / Not applicable Details attached at Annexure – F2.9 (if applicable)			
14.	List of out-sourced manufacturing processes with Sub-Vendors' names & addresses	Applicable / Not applicable Details attached at Annexure. –F2.10 (if applicable)			
15.	Supply reference list including recent supplies	Details attached at Annexure – F2.11 (as per format given below)			
Project/ package	Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date	Supplied Quantity	Date of Supply
16.	Product satisfactory performance feedback letter/certificates/End User Feedback			Attached at annexure - F2.12	
17.	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 Details attached at Annexure – F2.13 (if applicable)	
18.	Statutory / mandatory certification for the proposed product			Applicable / Not applicable Details attached at Annexure – F2.14 (if applicable)	
19.	Copy of ISO 9001 certificate (if available)			Attached at Annexure – F2.15	
20.	Product technical catalogues for proposed item (if available)			Details attached at Annexure – F2.16	
Name:		Desig:		Sign:	

Company's Seal/Stamp:-

**BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR**

Control & Instrumentation Engineering (CIE)

PRE-QUALIFICATION REQUIREMENT

Pressure Transmitters (Gauge PT/DPT) Specification: ST48010

Document No- CIE/PT/
/Turbine /20262192 R00
Date: 26/09/26A. **Indent** No.: 20262192 Rev 00B. **Application:** Pressure Transmitters (Gauge PT/DPT/ Abs PT) are required for various Pressure measurements in Thermal power plant

Sr. No.	PRE-QUALIFICATION REQUIREMENTS					VENDOR RESPONSE
1.	Bidder shall be the manufacturer or authorized supplier of OEM of Pressure Transmitters. Accordingly, any legal document or Letter of authorization shall be submitted respectively in support of this.					
2.	Bidder must have successfully supplied at least 100 or more pressure transmitters in last 7 years from date of enquiry. Bidder needs to furnish un-priced copy of purchase order (PO) in support of above and furnish data in following format.					
	(Project/ Customer Name)	PO ref no. & date	(Pressure Transmitter range)	Qty.	Contact details of customer (email and/or phone number, etc.)	
3.	Bidder to confirm that offered model series of transmitters have been successfully operational in Power plants/refineries/etc. for at least 1 year, in at least two projects. Bidder to submit Unpriced PO copies and supporting document (Performance Certificate, if BHEL PO is not available) in support of same. The supporting documents shall not be older than 7 years from date of enquiry.					
4.	Bidders who are supplying offered model series to BHEL Haridwar for the first time will have to provide extended warranty of 2 years over and above specification requirement. Bidder to confirm.					
5.	General technical requirements shall be as below. Bidder to confirm against each point: - <u>TECHNICAL REQUIREMENTS:-</u> a) Type of transmitter : SMART microprocessor based ,2 Wire 24V DC,+/-10% b) Sensor type : Capacitance/Inductive/Silicone resonance/ Piezo-resistive c) Output signal range : 4-20mA DC with digital communication (HART protocol) d) Accuracy : 0.060% of calibrated span e) Response time : <150 m Sec f) Protection : IP67 g) Local indication : Required h) Diagnostics : Self Indicating feature i) Wetted parts : SS316 j) Electrical connection : 3 Pin Plug Connector k) Process connection : G1/2 “ Male (Bottom entry)					
6.	Bidder to provide catalogue of offered items in support of technical specification along with addendum (if applicable).					
7.	Bidders will be required to submit Type test reports at the time of technical evaluation.					
8.	Bidders will be required to submit certification for SIL2, as applicable at the time of technical evaluation.					

Note: Bidder to confirm specific compliance wherever asked. BHEL reserves the right to verify information submitted by Bidder. In case the information is found false/ incorrect/ incomplete, the offer shall be rejected.

Worked by	Reviewed & Approved by
A. Srivastava/ Manager	Sheetal Singh / Sr. Manager

MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN				TO BE FILLED BY BHEL		TO BE FILLED BY BHEL					
BHEL	VENDOR'S NAME	ITEM	Pressure/ Differential Pressure/ Flow Transmitter	QP NO.	QA/BE/QP/902									
				REV.	12									
		DRG. NO.	AS PER PO											
		REV	AS per PO											
		SPEC.	AS per PO											
REV	AS per PO			Page 1 of 3										
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS		CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS		FORMAT OF RECORDS		AGENCY		REMARKS
										M	B	N		
1	2	3		4	5	6	7	8		9	D	10		11

1.00	RAW MATERIAL												
1.01	Diaphragm, Sensing, Housing & Process Connections (As applicable)	Grade of Material	Major	Chemical	1 Sample / lot	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	COC	√	P	V	-	
1.02	Flange & Wetting Part (As applicable)	Grade of Material	Major	Chemical	1 Sample / lot	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	COC	√	P	V	-	
1.03	Electronic & Other Components (As applicable)	Visual, Make, Range, Type / Model No., Sl. No. & Electric Connection (Plug & Socket Type)	Major	Visual	100%	Ordering specn. / Vendor STD	Ordering specn. / Vendor STD	Internal records	-	P	V	-	
2.00	IN-PROCESS INSPECTION												
2.01		Soundness of fitting, Connection & Terminal Marking	Major	Visual	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Internal records	-	P	-	-	
2.02		Insulation Resistance & Dielectric strength	Major	Electrical	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Internal records	-	P	-	-	
3.00	TYPE TESTS												NOTE-1
4.00	ROUTINE TESTS												NOTE-3
4.01		Visual (Input / Output Range, Make, Rating, Type / Model No./ Sl No.) & Dimensions	Major	Visual / Measurement	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Test Report*	√	P	W	-	

MANUFACTURER/SUBCONTRACTOR		LEGEND:	FOR CUSTOMER USE	APPROVED BY 	Digitally signed by Sachin Jain Date: 2020.06.15 08:56:38 +05'30'
		! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION.			
		M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER			

MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN				TO BE FILLED BY BHEL		TO BE FILLED BY BHEL					
BHEL	VENDOR'S NAME	ITEM	Pressure/ Differential Pressure/ Flow Transmitter	QP NO.	QA/BE/QP/902									
				REV.	12									
		DRG. NO.	AS PER PO											
		REV	AS per PO											
		SPEC.	AS per PO											
REV	AS per PO			Page 2 of 3										
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS		CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS		FORMAT OF RECORDS		AGENCY		REMARKS
										M	B	N		
1	2	3		4	5	6	7	8		9	D	10		11

4.02		Mechanical Process Connections & Electrical Connections	Major	Visual / Measurement	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Test Report*	√	P	W	-	
4.03		Accuracy / Calibration Repeatability	Major	Electrical	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Test Report*	√	P	W	-	
4.04		Span and Zero Adjustability / Adjustability of Range	Major	Physical	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Test Report*	√	P	W	-	
4.06		Over Pressure Limit & Pressure Range versus Output Signal Test.	Major	Pressure	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Test Report*	√	P	W	-	
4.07		Power Supply Voltage Effect (As Applicable)	Major	Electrical	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Test Report*	√	P	W	-	
4.08		Insulation Resistance (If Applicable)	Major	Electrical	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Test Report*	√	P	W	-	
4.09	Completeness of TCs, COCs, & Inspection Reports		Major	Physical	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Documents	√	P	V	-	
5.00	IDENTIFICATION / MARKING & PACKING												
5.01		Identification Marking / Firmness of Tagging of Each Instrument	Major	Visual	100%	Ordering specn./ BHEL Appd Data Sheet	Ordering specn./ BHEL Appd Data Sheet	Internal Records		P	W	-	

MANUFACTURER/SUBCONTRACTOR		LEGEND:	FOR CUSTOMER USE	APPROVED BY		Digitally signed by Sachin Jain Date: 2020.06.15 08:56:54 +05'30'
		! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION.				
		M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER				

MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN				TO BE FILLED BY BHEL		TO BE FILLED BY BHEL				
BHEL	VENDOR'S NAME	ITEM	Pressure/ Differential Pressure/ Flow Transmitter		QP NO.	QA/BE/QP/902							
				REV.	12								
		DRG. NO.	AS PER PO										
		REV	AS per PO										
		SPEC.	AS per PO										
	REV	AS per PO		Page 3 of 3									
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS	AGENCY			REMARKS	
									M	B	N		
1	2	3	4	5	6	7	8	9	D	10		11	
5.02		Soundness of Packing Against Transit Damage	Major	Physical	100%	Ordering Specn./ BHEL Appd Data Sheet/ Vendor's STD	Ordering specn./ BHEL Appd Data Sheet	Internal Records		P	-	-	

Note:

1. Type tests clearance from BHEL Engineering to be verified by inspection engineer during inspection at vendor's works.
2. Manufacturer to maintain calibrated instruments having better accuracy than the item under the test. Inspection engineer shall check the same.
3. Witness by inspection agency to be random 10% of each material code(minimum 1 pieces per material code) from each lot. However vendor to carry out 100% tests internally and tests report shall be reviewed by inspection engineer during inspection at Vendor's works.
4. For material code having applicable spec ST48010, Transmitter shall be supplied with bracket for panel mounting along with necessary fasteners as per cl. no.-5.7 of BHEL spec. ST48010.

MANUFACTURER/SUBCONTRACTOR	LEGEND: ! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION. M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER	FOR CUSTOMER USE	APPROVED BY 

Digitally signed
by Sachin Jain
Date:
2020.06.15
08:57:10 +05'30'

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	07-11-2026 16:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	08-11-2026 16:00:00
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 Heavy Industries And Public Enterprises
विभाग का नाम/Department Name	Department Of Heavy Industry
संगठन का नाम/Organisation Name	Bharat Heavy Electricals Limited (bhel)
कार्यालय का नाम/Office Name	10110009-heep, Haridwar
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :pupadhyay@bhel.in Buyer Email id: adesh@bhel.in
कुल मात्रा/Total Quantity	134
वस्तु श्रेणी /Item Category	PRESSURE TRANSMITTER 0-400 BAR , PRESSURE TRANSMITTER -1 to 109 BAR , PRESSURE TRANSMITTER 0 to 80 BAR , PRESSURE TRANSMITTER 0 to 16 BAR , PRESSURE TRANSMITTER -1 to 399 BAR , PRESSURE TRANSMITTER -1 to 79 BAR , PRESSURE TRANSMITTER -1 to 50 BAR , PRESSURE TRANSMITTER 39 BAR , PRESSURE TRANSMITTER ABS -1 to 19 BAR , PRESSURE TRANSMITTER -1 to 9 BAR , PRESSURE TRANSMITTER -1 to 3 BAR , PRESSURE TRANSMITTER 0 to 10 BAR ABS , PRESSURE TRANSMITTER 0 to 1.3 BAR ABS , FLOW TRANSMITTER 0 to 1800 MBAR DPT , DPT -10 to 90 MBAR , HAND HELD COMMUNICatoR
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	PRESSURE TRANSMITTER 0-400 BAR, PRESSURE TRANSMITTER (-) 1 TO (+) 109 BAR, PRESSURE TRANSMITTER 0-80 BAR, PRESSURE TRANSMITTER 0-16 BAR, PRESSURE TRANSMITTERS FOR STEAM TURBINE,PRESSURE TRANSMITTER (-)1 TO 399 BAR, PRESSURE TRANSMITTER, -1 TO +79 BAR, PRESSURE TRANSMITTER (-)1 TO 50 BAR, PRESSURE TRANSMITTER (-1)TO (+39)BAR, PRESSURE TRANSMITTERS FOR STEAM TURBINE,PRESSURE RANSMITTER (-1) TO (+19) BAR, PRESSURE TRANSMITTERS FOR STEAM TURBINE,PRESSURE TRANSMITTER (-1)TO (+)9 BAR, PRESSURE TRANSMITTER (-1) TO (+3)BAR, PRESS. TRANSMITTER,0-10BAR(ABS), PRESS. TRANSMITTER,0-1.3BAR,ABS, FLOW TRANSMITTER,0-1800 MBAR, DIFF. PRESS. TRANSMITTER, -10 TO +90 MBAR, PRESSURE TRANSMITTERS FOR STEAM TURBINE,HAND HELD COMMUNICATOR (FOR SMART PRESSURE TRANSMITTERS
	Searched String: PRESSURE TRANSMITTER 0-400 BAR

बिड विवरण/Bid Details	Digital Pressure Transmitter, High Pressure Washer, Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118, Hydraulic Hose, Copper Alloy Gate Valve For Waterworks Purpose (V2) Conforming to IS 778, Muffle/Box Furnace (V2), Copper Alloy Globe Valve For Waterworks Purpose (V2) Conforming to IS 778, High Pressure Breathing Air Compressor Motor Driven as per IS 15879, Copper Alloy Check Valve For Waterworks Purpose (V2) Conforming to IS 778, Cast Copper Alloy Screw Down Bib Taps and Stop Valves for Water Services conforming to IS 781 Searched String: PRESSURE TRANSMITTER (-) 1 TO (+) 109 BAR Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118, Hair Comb (V2), Shirting Angola Conforming to MHA Specification/ Defence Specification/ IS 8331, Polyester Blanket (V2) Searched String: PRESSURE TRANSMITTER 0-80 BAR Digital Pressure Transmitter, High Pressure Washer, Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118, Hydraulic Hose, Copper Alloy Gate Valve For Waterworks Purpose (V2) Conforming to IS 778, Copper Alloy Globe Valve For Waterworks Purpose (V2) Conforming to IS 778, DC Electronic Load, High Pressure Breathing Air Compressor Motor Driven as per IS 15879, Copper Alloy Check Valve For Waterworks Purpose (V2) Conforming to IS 778, Blank ID Cards (V2) Searched String: PRESSURE TRANSMITTER 0-16 BAR Digital Pressure Transmitter, High Pressure Washer, Structured-Wall Plastics Pipes For Non-Pressure Drainage And Sewerage-IS:16098, Vertical Multistage Centrifugal Pump, Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118, Copper Alloy Gate Valve For Waterworks Purpose (V2) Conforming to IS 778, Pipe Fitting For Structured-Wall Plastics Pipes For Non-Pressure Drainage And Sewerage-IS:16098, Hydraulic Hose, FPO - Barley As Per IS 16520, Copper Alloy Check Valve For Waterworks Purpose (V2) Conforming to IS 778 Searched String: PRESSURE TRANSMITTERS FOR STEAM TURBINE,PRESSURE TRANSMITTER (-)1 TO 399 BAR Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118, Copper Alloy Gate Valve For Waterworks Purpose (V2) Conforming to IS 778, Copper Alloy Check Valve For Waterworks Purpose (V2) Conforming to IS 778, Copper Alloy Globe Valve For Waterworks Purpose (V2) Conforming to IS 778 Searched String: PRESSURE TRANSMITTER, -1 TO +79 BAR Category not available on GeM for the text string uploaded by the buyer Searched String: PRESSURE TRANSMITTER (-)1 TO 50 BAR Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118, Copper Alloy Gate Valve For Waterworks Purpose (V2) Conforming to IS 778, Health Supplements, Nutraceuticals and Food for Special Dietary
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बिड विवरण / Bid Details	Use (V2), Hair Comb (V2), Cotton Towelling And Towels Conforming To IS 7056 (V4), Pressure Sensitive Adhesive Tapes with Plastic Base (V4) Conforming to IS 13262, Copper Alloy Check Valve For Waterworks Purpose (V2) Conforming to IS 778, Copper Alloy Globe Valve For Waterworks Purpose (V2) Conforming to IS 778, Polyester Blanket (V2), Single Use Sterile Rubber Surgical Gloves Conforming to IS 13422
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Searched String: PRESSURE TRANSMITTER (-1)TO (+39)BAR Digital Pressure Transmitter, Copper Alloy Gate Valve For Waterworks Purpose (V2) Conforming to IS 778, Handicap Grab Bar, Domestic Pressure Cookers (V3) ISI Marked to IS 2347, Toilet Soap Conforming to IS 2888 (V3), Bathing Soap Bar (V3) Conforming to IS 13498, Theft Proof Rifle Racks, Laundry Soaps (V2) Conforming to IS 285, shoes school pvc boys girls, Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118 Searched String: PRESSURE TRANSMITTERS FOR STEAM TURBINE,PRESSURE RANSMITTER (-1) TO (+19) BAR Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118, Copper Alloy Gate Valve For Waterworks Purpose (V2) Conforming to IS 778, Copper Alloy Check Valve For Waterworks Purpose (V2) Conforming to IS 778, Copper Alloy Globe Valve For Waterworks Purpose (V2) Conforming to IS 778 Searched String: PRESSURE TRANSMITTERS FOR STEAM TURBINE,PRESSURE TRANSMITTER (-1)TO (+)9 BAR Gear Lubricants, Multipurpose (Extreme Pressure Gear Oil) (V3) Conforming to IS 1118, Ballasts For Discharge Lamps Conforming To IS 15882, High Capacity Portable Pump For Fire Fighting Conforming To IS 12717, Cast Iron Detachable Joints for Use with Asbestos Cement Pressure Pipes conforming to IS 8794, Cast Iron Saddle Pieces for Service Connection from Asbestos Cement Pressure Pipes conforming to IS 10299 Searched String: PRESSURE TRANSMITTER (-1) TO (+3)BAR Digital Pressure Transmitter, XLPE Cable for Working Voltage up to and Including 1.1 KV Marked To IS 7098 (Part 1), 1, 1, 3 - Triethoxybutane, Printing Maplitho Paper (V3) Conforming to IS 1848 (Part 1), Handicap Grab Bar, Online UPS (≤10 KVA) With Battery Conforming To IS 16242 (Part 1), Domestic Pressure Cookers (V3) ISI Marked to IS 2347, Copper Alloy Gate Valve For Waterworks Purpose (V2) Conforming to IS 778, Disconnectors (Isolators) for Working Voltage Up to and Including 1 kV Conforming To IS/IEC 60947 (Part 3), Desk and Chair Set for Classroom/Training Area Searched String: PRESS.TRANSMITTER,0-10BAR(ABS) Potassium Nitrate Fertilizer (13-0-45) (V2), water baths, Grease No. 0, Graphited (V2) Conforming to IS 408, Benzoic Acid (V2), Muffle/Box Furnace (V2), Methyl Orange (V2), Towel Rail, TLM Kit for Multiple Disabilities - Age Group 0 to 3 Years, Electronic Weighing Scales, Sodium nitrite as per IS:879

बिड विवरण / Bid Details	Searched String: PRESS.TRANSMITTER,0-1.3BAR,ABS
	Potassium Nitrate Fertilizer (13-0-45) (V2), Entry and Mid Level Desktop Computer, Grease No. 0, Graphited (V2) Conforming to IS 408, Benzoic Acid (V2), Nitrile Coated/Nitrile Hand Gloves (V2), Methyl Orange (V2), Towel Rail, TLM Kit for Multiple Disabilities - Age Group 0 to 3 Years, High End Desktop Computer, Sodium nitrite as per IS:879 Searched String: FLOW TRANSMITTER,0-1800 MBAR Temperature Transmitter, Level Transmitter Radar Type, Oil Filtration Machine (NTPC), Ultrasonic Level Transmitter, Peristaltic Pump, Digital Pressure Transmitter, Decorative Laminate Sheet, Level Transmitter capacitance type, Flow Cytometer, Laminar air flow cabinets or stations (V2) Searched String: DIFF. PRESS.TRANSMITTER, -10 TO +90 MBAR Online UPS (≤ 10 KVA) With Battery Conforming To IS 16242 (Part 1), Polyethylene Pipes for Water Supply conforming to IS 4984 Searched String: PRESSURE TRANSMITTERS FOR STEAM TURBINE,HAND HELD COMMUNICATOR (FOR SMART PRESSURE TRANSMITTERS Booster Pump for Liquid Handling (V2) (IOCL)
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	Digital Pressure Transmitter
बीओक्यू शीर्षक / BOQ Title	Total material Pressure Transmitters Koderma Project
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/ MSE Relaxation for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/ Document required from seller	Certificate (Requested in ATC) *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 दस्तावेजों 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

बिड विवरण/Bid Details	
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
क्रेता के लिए उपलब्ध आईटीसी/ITC available to buyer	Yes
बिड का प्रकार/Type of Bid	Two Packet Bid
प्राथमिक उत्पाद श्रेणी/Primary product category	PRESSURE TRANSMITTER 0-400 BAR
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
Payment Timelines	Payments shall be made to the Seller within 45 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
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

आवश्यकता/Required	No
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बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमआईआई खरीद वरीयता / MII Purchase Preference

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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	100
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/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% / Purchase Preference to MSE OEMs/ Service Provider available upto price within L1+X%	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	100

ट्रेड्स भुगतान संबंधी विवरण/TReDS Payment Details

This Bid provides for Trade Receivables Discounting System (TReDS) as Preferred mode of payment. For MSME sellers, payments may be processed through a TReDS exchange in which the Buyer is registered, subject to applicable policy and regulatory guidelines. Accordingly, sellers intending to avail payment through TReDS are required to be registered with at least one TReDS exchange in which the buyer is registered.

1. 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 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs having valid Udyam Certificate 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. In respect of bid for Services, the bidder must be the Service provider of the offered Service. 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. 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 in case of product bids, whereas in case of services the eligibility is automatically validated. 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 100% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the [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.

3. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

4. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

If the buyer has mentioned MSE purchase preference in ATC then service provider is required to upload necessary documents for MSE purchase preference for verification by the buyer during evaluation.

PRESSURE TRANSMITTER 0-400 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

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	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	14	331

PRESSURE TRANSMITTER -1 To 109 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

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
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क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	3	331

PRESSURE TRANSMITTER 0 To 80 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	18	331

PRESSURE TRANSMITTER 0 To 16 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	7	331

PRESSURE TRANSMITTER -1 To 399 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

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	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	7	331

PRESSURE TRANSMITTER -1 To 79 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

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
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क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	11	331

PRESSURE TRANSMITTER -1 To 50 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	5	331

PRESSURE TRANSMITTER 39 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	3	331

PRESSURE TRANSMITTER ABS -1 To 19 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

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	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	5	331

PRESSURE TRANSMITTER -1 To 9 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

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
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क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	3	331

PRESSURE TRANSMITTER -1 To 3 BAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	3	331

PRESSURE TRANSMITTER 0 To 10 BAR ABS

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	7	331

PRESSURE TRANSMITTER 0 To 1.3 BAR ABS

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	27	331

FLOW TRANSMITTER 0 To 1800 MBAR DPT

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
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क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	14	331

DPT -10 To 90 MBAR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	5	331

HAND HELD COMMUNICAToR

(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

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

इनपुट कर क्रेडिट(आईटीसी) तथा रिवर्स प्रभार (आरसीएम)/Input Tax Credit(ITC) and Reverse Charge(RCM) Details

जीएसटी पर इनपुट कर क्रेडिट /ITC on GST	जीएसटी उपकर कर क्रेडिट /ITC on GST Cess
100%	NA

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Madhu Sudan Murmu	825421,DAMODAR VALLEY CORPORATION A/c M/S BHARAT HEAVY ELECTRICALS LTD. 2x800 MW DVC KODERMA TPS PH II BANJHEDIH, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421.	2	331

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. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

1. Scope of Enquiry

E-bids on GeM are invited from bidders for the supply of **Pressure Transmitters for DVC Koderma Project**, as per requirement mentioned below:

Applicable DRG: 41337688101 with BHEL SPEC: ST48010 REV: 05.

Material requirement (Mat code wise): Details for Lots

Sl. No.	Material Code & Item Description	Total Qty (No.)	Lot wise Qty per Project		
			Lot #1	Lot#2	Lot #3 (Spares)
1	W97372652570 PRESSURE TRANSMITTER 0-400 BAR	14	6	6	2
2	W97372652618 PRESSURE TRANSMITTER (-1) TO (+109) BAR	3	1	1	1
3	W97372652464 PRESSURE TRANSMITTER 0-80 BAR	18	8	8	2
4	W97372652472 PRESSURE TRANSMITTER 0 TO 16 BAR	7	3	3	1
5	W97372652588 PRESSURE TRANSMITTER (-)1 TO 399 BAR	7	3	3	1
6	W97372652480 PRESSURE TRANSMITTER -1 TO +79 BAR	11	5	5	1
7	W97372652596 PRESSURE TRANSMITTER -1 TO +50 BAR	5	2	2	1
8	W97372652553 PRESSURE TRANSMITTER (-1) TO (+39) BAR	3	1	1	1
9	W97372652561 PRESSURE TRANSMITTER (-1) to (+19) BAR (ABS)	5	2	2	1

10	W97372652545 PRESSURE TRANSMITTER (-1) TO (+9) BAR	3	1	1	1
11	W97372652537 PRESSURE TRANSMITTER (-1) TO (+3) BAR	3	1	1	1
12	W97372652502 PRESSURE TRANSMITTER 0-10 B AR (ABS)	7	3	3	1
13	W97372652510 PRESSURE TRANSMITTER 0-1.3 B AR (ABS)	27	12	12	3
14	W97372652529 FLOW TRANSMITTER 0-1800 MBA R (Diff. PT)	14	6	6	2
15	W97372652499 Diff. PRESSURE TRANSMITTER -1 0 TO +90 MBAR	5	2	2	1
16	W90313376050 HAND HELD COMMUNICATOR (FO R SMART PRESSURE TRANSMITTE RS	2	1	1	-
Total Qty					

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2. Consignee Details and delivery schedule:

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Sl. No.	Project Name	Site/ Project Address	Tentative Requirement Schedule	
1	2X800MW KODERMA A TPS PH-II DAMODAR VALLEY CORPORATION	THE CGM & HOP, DVC, 2x800 MW DVC KODERMA TPS PH II, PO : BANJHEDIH, KODERMA, JHARKHAND - 825421	Lot-1	30-07-27
			Lot-2	27-11-27
			Lot-3	14-11-27

3. **Buyer Added Bid Specific ATC**

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

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer, is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. 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 catalogues 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. 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.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

[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 कार्यवाई 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---