



BHARAT HEAVY ELECTRICALS LIMITED भारत हैवी इलेक्ट्रिकल्स लिमिटेड
(A GOVT. OF INDIA UNDERTAKING) (भारत सरकार का उपक्रम)
PROJECT ENGINEERING MANAGEMENT परियोजना अभियांत्रिकी प्रबंधन

निविदा आमंत्रण सूचना
NOTICE INVITING TENDER (NIT)

Enquiry No: 77/26/6082/SEE

Date: 3-Jul-26

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

1. Tender Type	Open Tender (Domestic-Indian)		
2. Package	ULTRASONIC FLOW METERS		
3. Project	Framework Agreement (Rate Contract) of ULTRASONIC FLOW METERS		
4. Executing Agency	BHEL-PEM		
5. Mode of Enquiry	E - PROCUREMENT		
6. Nature of Package (Divisible/Non-Divisible)	Divisible		
7. Numbers of Part bid	2-Part bid (Techno-commercial and Price bid)		
8. Due Date & Time	For offer submission	13.07.2026	12:00 IST
	For P-1 bid opening	13.07.2026	16:00 IST
9. Earnest Money Deposit (EMD)	Not Applicable	EMD Amount	NA
10. Tender Cost	NIL		
11. Eligibility of Local Supplier as per MII	Only Class I Supplier (with local content 70% and above)		
12. Technical Scope	As per Technical specification No: PE-TS--20-145-H916		
13. Pre-bid Clarification	Suppliers to contact BHEL-PEM (over phone/ mail/ visit-BHEL-PEM) for any clarification (Technical or Commercial) before due date of Tender opening & get it clarified well before the due date, so that offers by the Suppliers may be submitted within the due date & time.		
14. Prequalification Requirements	Financial PQR- NA		Technical PQR- YES
15. Delivery terms for Supply	FOR Despatch Station		
16. Delivery Schedule:	Drawing/ documents submission & re-submission schedule shall be as per Technical Specification: PE-TS--20-145-H916		
A. Main Supply & Commissioning Spares (if any)	200 days from the date of PO for Unit-1/Unit-1&2 & 290 Days for Unit-3. .		
B. Mandatory Spares	120 days from BHEL clearance Date		

Notes:

- Supplier to start manufacturing/supply only after getting the applicable Primary engineering Drgs. /docs approved from BHEL/End Customer.
- Drawings /documents submission/re-submission schedule shall be as per Technical specification (PE-TS--20-145-H916) which shall be used for progress monitoring purpose and required course correction, if any.
- The delivery date specified is for completion of the deliveries. Deliveries to start progressively so as to meet

the completion schedule.

- d. The delivery conditions specified are for contractual purposes. However, to meet project requirement, BHEL may ask for early deliveries without any compensation thereof.

2.0 Validity of contract placed on basis of Framework Agreement (Rate Contract) for individual projects (PO rates, terms and conditions):

Vendor has to make supply of goods/services as per the delivery time mentioned above. However, due to unavoidable circumstances if delay happens in providing inputs/ clearances (inputs, Engineering approvals, deputing inspector for inspection, issuance of MDCC and any hold imposed owing to site issues etc.) for which delivery time extension is admissible as per point no.3, in such situation it shall be obligatory at vendor part to execute the contract at PO rates, terms and conditions where inputs/ clearances has been accorded within validity of contract. Validity period for various activities shall be as defined below or as mentioned in the NIT.

2.1 Contract for main supply shall be valid for 320 ('C') days from the PO date. In case of more than 2 units, validity period will be increased by supply time considered for subsequent units. However, delay at vendor's end (if any) shall be added to the validity period and contract validity shall get extended by the delay period at vendor's end.

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

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

Contract validity: C+B (in days)

Notes:

- B is the Vendor delay days beyond original contractual delivery period for main supply /extended delivery period owing to time taken by BHEL.
- Main supply, applicable in the contract released/ cleared for manufacturing within contractual validity period, to be supplied by vendor/supplier at PO rates, terms and conditions.
- Execution of the contract quantities released beyond contract validity period shall be decided on mutual consent basis at PO rates, terms and conditions.

3.0 Delivery Extension: Extension of contractual delivery time:

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

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

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

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

17. Liquidated Damages (LD):

a) **Liquidated Damages (For Main Supply):** Buyer reserves the right to recover from the Supplier, as agreed liquidated damages and not by way of penalty, a sum equivalent to half ($\frac{1}{2}$) percent of the undelivered portion of main contract price excluding GST per week or part thereof, subject to a maximum of ten (10) percent of total of contract price excluding GST, if the Supplier fails to deliver any part of the ordered goods/stores within the period stipulated in the Order/ Contract.

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

b) **Liquidated Damages (For Mandatory Spares):** Buyer reserves the right to recover from the Supplier, as agreed liquidated damages and not by way of penalty, a sum equivalent to half ($\frac{1}{2}$) percent of the undelivered portion of main contract price excluding GST per week or part thereof, subject to a maximum of ten (10) percent of total of contract price excluding GST, if the Supplier fails to deliver any part of the ordered goods/stores within the period stipulated in the Order/ Contract.

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

However, total LD (Main Supply and Mandatory Spares) shall be limiting to 10% of cumulative total contract value (Main Supply + Mandatory Spares excluding GST).

Main supply shall include accessories & commissioning spares as required.

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

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

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

20. PVC (Price Variation Clause) : Not Applicable

21. CIF Content	Not Available
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22. Integrity Pact Applicability	Not Applicable
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23. Tender Evaluation - Price will be finalized through RA. The evaluation currency for this tender shall be INR. Evaluation will be done on overall L1 (Total Package Price including Freight excluding taxes) basis with necessary loading as applicable.

In the course of evaluation, if more than one Supplier happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 Suppliers.

In case more than one Supplier happens to occupy the L-1 status even after soliciting discounts, the L-1 Supplier shall be decided by a toss/ draw of lots, in the presence of the respective L-1 Supplier (s) or their representative(s). Ranking will be done accordingly. BHEL's decision in such situations shall be final & binding.

24. Payment terms:

Main Supply: As per clause No. 9.1 of General Commercial Terms and Conditions of GCC Rev. 07 and Corrigendum 01, 02 & 03 to GCC Rev. 07.

Mandatory Spares: As per clause No. 9.1 of General Commercial Terms and Conditions of GCC Rev. 07 and Corrigendum 01, 02 & 03 to GCC Rev. 07.





25. GST shall be payable extra at actual as per the HSN code finalized for the items during detailed BBU.

26. Reverse Auction:

BHEL shall be resorting to Reverse Auction (RA) (Guidelines for Reverse Auction – 2024, as available on www.bhel.com on "Supplier registration page") for this tender. RA shall be conducted among all the Techno-Commercially qualified Suppliers.

Price Bids of all the Techno-Commercially qualified Suppliers shall be opened and same shall be considered as initial bids of Suppliers in RA. In case any Supplier(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.

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

27. Supplier to note that this is an Open Tender enquiry & Reverse Auction participation shall be subject to following condition:

- a) Qualifying Technical and Financial Pre-Qualification Requirement.
- b) Techno-Commercial acceptance of offer by BHEL-PEM.
- c) Registration in BHEL-PEM for the Tender package.

The Suppliers who are not registered with BHEL-PEM may apply for registration in BHEL-PEM through Registration Portal available at <https://supplier.bhel.in/> (Suppliers already registered with other BHEL Units shall also be required to apply registration in BHEL PEM). All credentials and/ or documents duly signed & stamped related to registration has to be uploaded on the website & submit the application for registration. One set of hard copy filled-up SRF downloaded from Online Registration Portal duly signed & stamped has to be submitted.

29. Performance
(PS)

Security

PS Applicability

No Performance Security (PS) against the current enquiry for Framework Agreement (Rate Contract) for Tender package.

However, Suppliers to note that Performance Security shall be submitted for orders placed by the concerned Purchase Groups of concerned BHEL unit on the Framework Agreement (Rate Contract).

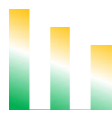
Successful Supplier/s will have to submit Performance Security for each POs (irrespective of value) which will be placed under the Framework Agreement (Rate Contract) finalized through this tender considering FA (RC) as original contract as per the format given in GCC Rev 07.

Relevant details of the PS to be submitted on the basis of Framework Agreement (Rate Contract) are as following:

Initially 10% of the contract value (total Ex-works price). However, 5% of the contract value (as above) will be released after completion of Main Supply based on certification by Purchasing Department of BHEL unit.

Balance 5% of the contract value (excluding PVC) will be released on completion of all contractual obligations, including guarantee/warranty obligations based on certification by Purchasing Department of BHEL unit.

		OR
	II	5% of the contract value (total Ex-works price). Additional 5% of the contract value will be retained from first bill & subsequent bill(s) of the same contract. The retention amount will be released after completion of main supply based on certification by Purchasing Department of BHEL unit. Balance 5% of the contract value (excluding PVC) will be released on completion of all contractual obligations, including guarantee/warranty obligations based on certification by Purchasing Department of BHEL unit.
	Validity of PS	As per clause no. 11.0 (except 11.4) of General Commercial Terms and Conditions of GCC Rev 07.
	PS Submission	PS should be in favour of concerned BHEL unit. Supplier may opt any of the following for submission of Performance Security: -
	Modes of Deposit	Performance security may be furnished in the following forms: - Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL. - Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL. - Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL). - Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL). - Insurance Surety Bond. (Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith) Performance Security is to be furnished within 14 days from the date of PO and it should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the Supplier, including warranty obligations.
	Remarks for PS:	a) The performance security will be forfeited and credited to BHEL's account in the event of a



		breach of contract by the supplier. b) Performance security should be refunded to the contractor without interest, after he duly performs and completes the contract in all respects but not later than 60 (sixty) days of completion of all such obligations including the warranty under the contract. c) However, Performance Security validity is to be extended based on the actual delivery of package. The Performance Security shall not carry any interest.
30. Breach of contract, Remedies and Termination (Tenderer to note that this clause will supersede any clause regarding recovery amount from Tenderer due to Breach on contract mentioned anywhere in GCC Rev07 and its Corrigendum)	In case of Breach of Contract, BHEL shall recover 10% of the contract value from the Supplier using following instruments: (i) Encashment of security instruments like EMD, Performance Security with executing agency (PEM) against the said contract. (ii) Balance amount (if value of security instruments is less than 10% of the contract value) from other Financial remedies i.e. available bills of the Supplier, retention amount etc. with executing agency (PEM). (iii) Balance amount from security instruments like EMD, Performance Security and other Financial remedies i.e. available bills of the Supplier, retention amount etc. with other units of BHEL. (iv) If recovery is not possible then legal remedies shall be pursued. However, Supplier shall continue performance of the Order/ Contract, under all circumstances, to the extent not cancelled.	
31. Suppliers are requested to refer clause no 26.0 (Make in India) of instructions to Supplier of GCC Rev 07. Further, following shall be taken into consideration for submitting bids by Suppliers: • For this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local supplier/ Non-local supplier and purchase preference to class I local supplier, is as defined in Public Procurement (Preference to Make In India), Order 2017 dated 19.07.2024 issued by DPIIT. In case of subsequent orders issued by the Nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after the issue of the NIT, the same shall be applicable even if issued after the issue of tis NIT, but before opening of Part-II bids against the NIT. • Minimum Local Content prescribed for ULTRASONIC FLOW METERS package by Nodal Ministry is 70% and hence for this procurement, as per Public Procurement (preference to make in India), order 2017 dtd. 15.06.17, 28.05.18, 29.05.19, 16.09.20 & 19.07.24 and subsequent orders issued by the nodal ministry, this package is reserved for only Class-I supplier having Minimum local Content 70%. Class-II and Non-Local suppliers are not eligible to quote for this enquiry. • Suppliers are requested to go through the above-mentioned orders and submit their adherence to Public Procurement (preference to make in India), order 2017 dtd. 15.06.17, 28.05.18, 29.05.19, 16.09.20 & 19.07.24 and subsequent orders. • Local Content certificate (Make In India Certificate) from statutory/cost auditor of the company (in case of companies) or from a practicing Cost Accountant or practicing Chartered Accountant (in case of Suppliers other than companies), shall be essentially submitted by Supplier along with their offer as per clause No. 9 of Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024.		



32. Purchase preference to MSE Supplier: Yes.

33. Framework Agreement (Rate Contract) Order Splitting

- a. Framework Agreement (Rate contract) is proposed for Two (02) years from placement of Framework Agreement (Rate contract) Purchase Order with a provision for further extension after review on mutual consent.
- b. Framework Agreement (Rate contract) is to be done with 2 suppliers in ratio of 70:30 value wise at L1 FOR site price (Ex-works + freight) for this package. However, Purchase orders placed for a project on the basis of Rate Contract shall not be split. Details of Framework Agreement (Rate contract) order splitting shall be as per following:
 - GOI circular dated 18.05.2023 for Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 shall be applicable for order splitting (in the ratio of 70:30) and order finalization.
 - L1 Rates (Ex works + Freight) shall be counteroffered to all techno-commercially qualified Suppliers and order splitting in ratio of 70:30 shall be done in line with GOI circular dated 18.05.2023 for Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.
 - In case acceptance of counteroffer is received from more than two Suppliers then acceptance shall be considered as per FINAL Reverse Auction Ranking (as applicable).
 - In case acceptance of counteroffer is received from only one Supplier then splitting shall be done in the ratio of 70:30 between L1 vendor and the supplier who accepts L1 vendor rates.
 - If none of the Supplier accepts counter-offered L1 rates, then contract shall be awarded to L1 vendor for 100% value.
- c. Framework Agreement (Rate Contract) will be finalized on total lump sum basis instead of item wise evaluation so that the complete requirement against one project is not split amongst various Suppliers to minimize operational difficulty.

34. GOI circular dated 18.05.2023 for Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 shall be applicable for order splitting and order finalization.

35. The quantities indicated in the tender are tentative quantities. No minimum quantity is guaranteed by BHEL.

36. Overall (%) quantity variation: The variation on overall package value shall be limited to +30% of the contract value.

37. Suppliers shall Quote for the entire Scope. Partial scope is not acceptable.

38. Suppliers to ensure that Third party/ Customer issued certificates being submitted as proof of PQR qualification should have verifiable details of document/ certificate issuing authority such as name & designation of Issuing Authority and its organization contact number and e - mail Id etc. Offer of only those Suppliers shall be considered further, who meets the PQR criteria. Suppliers to furnish latest verification details for checking veracity of document(s) by BHEL. In case the same found not available, Purchaser has right to reject such document from evaluation. Format for the same is below: -

Sl. No.	Project Name	Customer Name, Contact Address, Phone No. & Email ID	Contract/ Order No.	Value of Contract/ Order	Brief Work of	Completion Date



39. Suppliers who fulfil Technical & Financial Pre-Qualification Requirement Criteria are eligible to participate in this tender. Bids of only those Suppliers shall be evaluated who meet the Technical as well as Financial Pre-Qualifying requirements.

39. All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted on BHEL website (www.bhel.com) & BHEL-PEM website (www.pem.bhel.com) and GePNIC portal. Suppliers should regularly visit websites to keep themselves updated.

40. If Supplier mentions Not Applicable / Not required / Not Quoted in BHEL price format, the same to be substantiated by the Supplier. If such item is required to be supplied for system completion in future, same will be supplied free of cost.

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

42. Supplier to quote non-zero freight charges in percentage (%) of their quoted Total Ex-Works prices of supply in figures as well as in words. In case of mismatch between total Quoted Ex-works price in figures and words, quoted price in words shall prevail.

43. All Suppliers to comply Govt. of India, Ministry of Power, order no-25-111612018-PG dtd 02/07/2020 regarding mandatory testing of all the imported items/equipment's/components.

44. Self-declarations/ Auditor's/ Accountant's Certificates submitted by the manufacturer/ supplier may be verified randomly by the committee constituted as per MoP Order 28-07-2020. In case of false documents/misrepresentation of the facts requisite action against such manufacturer/ supplier will be taken based on the recommendation of the Committee.

45. All Suppliers to declare that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Supplier(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 Supplier is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.

46. The offers of the Suppliers who are under suspension as also the offers of the Suppliers, who engage the services of the firms debarred across BHEL, shall be rejected. The list of firms debarred across BHEL is available on BHEL web site www.bhel.com.

1.0 Integrity commitment, performance of the contract and punitive action thereof:

1.1 Commitment by BHEL: BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the contract. BHEL will during the tender process treat all Supplier(s) in a transparent and fair manner, and with equity.

1.2 Commitment by Supplier/ Supplier/ Contractor:

1.2.1 The Supplier/ contractor commits to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.

1.2.2 The Supplier/ contractor will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.

1.2.3 The Supplier/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.

If any Supplier/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in malpractices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such Supplier/ supplier/ contractor as per extant guidelines of the company available on www.bhel.com and/or under applicable legal provisions".



47. Conflict of Interest:

All bidders are required to submit the declaration regarding conflict of interest in the format enclosed with the NIT signed by the authorized signatory of the bidder.

48. All the above terms and conditions, post-bid agreements/MoMs (during Techno- Commercial evaluation) shall automatically become a part of the Order/Contract after its finalisation.

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

Following documents need to be uploaded:

- Offer forwarding/ covering letter with Un-price bid, Deviation Sheet (Cost of Withdrawal)
- Documents required for meeting Technical PQRs (Part of Tech. Spec.)
- Bank Guarantee Format
- Local Content Certificate in line with Make in India circular
- Land Border Certificate
- Undertaking for Conflict of Interest
- Declaration by MSE bidders regarding ownership structure along with UDYAM certificate
- Price Bid on e-procurement portal - <https://eprocurebhel.co.in/nicgep/app>

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

51. Grievance Redressal Mechanism

To promote transparency and ensure fair treatment of all bidders, a structured Grievance Redressal Mechanism is in place to address any concerns or issues arising during the tendering process or in subsequent business dealings with the company.

Suppliers/Contractors are requested to follow the below escalation process for grievance resolution:

1. First Level: Any grievance should initially be addressed to the designated Dealing Officer, whose contact details are provided in the Notice Inviting Tender (NIT)/Contract.
2. Second Level: If the issue remains unresolved, it may be escalated by lodging a formal grievance through the SUVIDHA Portal: <https://suvidha.bhel.in/suvidha/>. Responses will be provided in accordance with the defined escalation matrix.

52. All Suppliers / Contractors of BHEL are informed that the facility for **online invoice registration and document uploading** has been enabled in the **SUVIDHA Portal** (<https://suvidha.bhel.in/suvidha/>). With effect from **01-October-2025**, it shall be mandatory for all Suppliers / Contractors of BHEL to **register** their invoices to be **exclusively through the system** along with the requisite documents.

All other correspondence thereof shall be addressed to the undersigned by name & designation and sent at the following address:

Seema Khatri /Sr. Manager- CMM
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
3rd Floor , BHEL SADAN,
Plot No 25, Sector-16 A, Noida-201301
E-mail: seemakhatri@bhel.in
Contact No.: 9818216691

PK Gautam / AGM- CMM
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
3rd Floor , BHEL SADAN,
Plot No 25, Sector-16 A, Noida-201301
E-mail: pkgautam@bhel.in
Contact No.: 9958080692



53. Terms & Conditions: - The Terms & Conditions shall be as per S.C.C, GCC Rev 07 & Corrigendum 01 and Corrigendum 02 and Corrigendum-03 to GCC Rev-07 which is available on www.pem.bhel.com and other Terms and Conditions included in this Enquiry Letter.

In the event of any contradiction in the terms and conditions mentioned, the order of preference shall be as mentioned in clause no. 36 of GCTC of GCC Rev 07.

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

Thanking You.

For and on behalf of BHEL

Seema Khatri

Sr. Manager/ CMM/ PEM Noida



SCHEDULE OF PRICE FOR RATE CONTRACT FOR ULTRASONIC FLOWMETER (complete with connectors, transducer cable, all mounting hardware, SS name plate, SS chain etc.):										
Supplier Name:-							Annexure-Price Schedule			
[A] MAIN SUPPLY										
S.NO	ITEM DESCRIPTION	PIPE RANGE	QTY	UNIT EX-WORKS PRICE IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17	TOTAL EX-WORKS PRICE IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17	Freight Charges (Excluding GST)@---% of total Ex-works	Freight Charges (Excluding GST)Rs	Applicable GST Rate@---% (on "Total Ex-works + Freight")	GST(Rs)	TOTAL F.O.R. Site Price (Rs)
1	DUAL PATH TRANSIT TIME CLAMP ON UFM HAVING 2 SETS OF SENSORS (UFM-2 PATH 2 SET SENSOR-80NB<=X<=400NB)	>=80 NB TO < =400 NB	2	0.0000	0.0000		0		0	0.0000
2	DUAL PATH TRANSIT TIME CLAMP ON UFM HAVING 2 SETS OF SENSORS (UFM-2 PATH 2 SET SENSOR-400NB<X<=4500NB)	>400 NB TO < =4500 NB	35	0.0000	0.0000		0		0	0.0000
TOTAL ESTIMATE (EX-WORKS) FOR MAIN SUPPLY (IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17)					0.0000					
[B] SUPERVISION OF E&C Site visit for UFM installation check to ensure proper functionality check after the erection of the UFM during the commissioning (considering 1 nos. of site visit for 2 days each. No. of days per site visit can be extended based on mandays quoted)										
S.NO	ITEM DESCRIPTION	VISITS/MAN DAYS	QTY	UNIT EX-WORKS PRICE IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17	TOTAL EX-WORKS PRICE IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17					
1	Charges per visit [Lump sum price for travel including ticket ,Visa/Insurance (as applicable), intermediary stay including travel time] (SUPERVISION OF E&C-VISITS)	2 visits	26	0.0000	0.0000		0		0	0.0000
2	Charges per MANDAYS (SUPERVISION OF E&C-MANDAYS)	4 days	52	0.0000	0.0000		0		0	0.0000
TOTAL ESTIMATE(EX-WORKS) FOR SUPERVISION & VISIT CHARGES (IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17)					0.0000					
[C] MANDATORY SPARES										
S.NO	ITEM DESCRIPTION		QTY	UNIT EX-WORKS PRICE IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17	TOTAL EX-WORKS PRICE IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17					
1	Transmitters of all types and model (for the measurement of flow including local indication) (ULTRASONIC FLOW METERS-MS-ELECTRONIC TRANSMITTER)		12	0.0000	0.0000		0		0	0.0000
2	DUAL PATH TRANSIT TIME CLAMP ON UFM HAVING 2 SETS OF SENSORS (ULTRASONIC FLOW METERS-MS-UFM-2 PATH 2 SET SENSOR-400NB<X<=4500NB)		4	0.0000	0.0000		0		0	0.0000
TOTAL ESTIMATE (EX-WORKS) FOR MANDATORY SPARES (IN PERCENTAGE (%) OF TOTAL PRICE GIVEN AT COL. F, ROW 17)					0.0000					
TOTAL ESTIMATE (EX-WORKS)										

Notes:-

- Supplier has to quote only Total Value in Green Highlighted Field. Based on this price, unit price shall be derived for all the items in A), B) & C) as per inbuilt formula .
- Supplier to quote Freight charges in percentage of their quoted Total Ex-works Prices in the yellow highlighted field. Supplier to give single % of Freight charges considering anywhere in India in the Freight Column. Supplier has to give same % of Freight for each line item . Supplier to quote non-zero Freight %.
- Vendor to quote the applicable GST % in the yellow highlighted field.

[illegible]



PROJECT: Framework Agreement (Rate Contract)

PACKAGE: ULTRASONIC FLOW METERS

Enquiry No:

Undertaking for Conflict of Interest
(To be furnished on Letter Head of company)

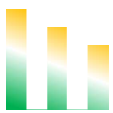
Treatment of cases regarding conflict of interest:

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 Authorised distributor (with/ or without the OEM). from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- iv) A 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
with Company Seal**



MSE Category Declaration
(To be furnished on Letter Head of company)

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.

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

Note: If the bidder does not furnish the above in the tender, offer shall be processed construing that the bidder is not falling under MSE category.

Signature with Company Seal

SPECIAL CONDITIONS OF CONTRACT OF FRAMEWORK AGREEMENT (RATE CONTRACT) FOR LOCAL MOTOR STARTERS

1. This tender is issued by BHEL PEM for Framework Agreement (Rate Contract) of ULTRASONIC FLOW METERS required at various BHEL project sites on behalf of various BHEL units. Framework Agreement (Rate Contract) validity for ordering shall be two years from the purchase order for Rate Contract.
2. Framework Agreement (Rate Contract) shall be finalized only with suppliers who are registered with BHEL-PEM. Suppliers who are not registered with BHEL-PEM (suppliers already registered with other BHEL Units shall also be required to apply registration in BHEL PEM) needs to apply & get registered for subject package with PEM before Reverse Auction & hence they need to apply online for registration on PEM web portal & have to enclose acknowledgement with the bid documents else their bid may not be considered for evaluation.

The Suppliers who are not registered with BHEL-PEM may apply for registration in BHEL-PEM through Registration Portal available at <https://bhel.com/supplier-registration>.

All credentials and/ or documents duly signed & stamped related to registration has to be uploaded on the website & submit the application for registration. One set of hard copy filled-up SRF downloaded from Online Registration Portal duly signed & stamped has to be submitted.

3. Framework Agreement (Rate contract) is proposed to be done with 2 suppliers in ratio of 70:30 value wise at L1 F.O.R. Site Price (Ex-works + freight) for this package. However, order for a project shall not be split.
4. Quantity variation shall be applicable as +30 % of the contract value. Suppliers shall be informed that the quantities indicated in the tender are tentative quantities. No minimum quantity is guaranteed by BHEL.
5. This tender is issued by BHEL PEM for Framework Agreement (Rate Contract) of ULTRASONIC FLOW METERS required at various BHEL project sites on behalf of various BHEL units. All Suppliers shall note the following: –
 - a) As and when requirement arises, the concerned Purchase Department of respective BHEL unit will place order directly on the Supplier against the Framework Agreement (Rate Contract).
 - b) The drawings/ documents submission & approval, submission of Performance Security/ Performance Bank Guarantee, submission of invoices, processing and release of payment after supply of material, contractual dispute & commercial matters shall be dealt as per Framework Agreement (Rate Contract) contract terms & conditions directly by Purchase Department of respective BHEL unit, who has placed the Purchase Order against the Rate Contract.
6. Details of consignee and project site information for dispatch of material shall be intimated at the time of placement of PO for specific project after finalization of RC.
7. The items will be required against respective projects. Exact quantities and Project information shall be intimated while placing Purchase Order for a specific project based on the Rate Contract.
8. Price Variation shall be not applicable for the subject package.
9. Inspection of materials shall be carried out by BHEL/ CQA and or by Customer or by an Authorized Agency at manufacture's works before dispatch, if required. Dispatch of material to be done, only after receipt of BHEL/ Customer MDCC. It is responsibility of Supplier to obtain Material Dispatch Clearance Certificate (MDCC) from BHEL or Customer as required before dispatch of material.
10. Supplier shall give inspection call on BHEL-CQS web site to applicable inspection agency with a copy of inspection call to BHEL for arranging Customer participation (if applicable) in inspection / Joint inspection on the proposed date with an advance notice of 15 working days. Inspection charges shall be paid by BHEL.

SPECIAL CONDITIONS OF CONTRACT OF FRAMEWORK AGREEMENT (RATE CONTRACT) FOR LOCAL MOTOR STARTERS

11. Items have to be manufactured as per the specification and supplied strictly in accordance with the approved BHEL/ Customer's Drawings & Quality Plan. The items/ test certificate of items, which for any reason are not acceptable to BHEL/ Customer, shall be required to be retested. No extra charge shall be payable on those account by BHEL.
12. Other terms and conditions shall be as per Standard Technical Specification no. PE-TS-20-145-H916, GCC Rev. 07, Corrigenda 01, Corrigenda 02 and Corrigenda 03 to GCC Rev 07 and Enquiry Letter.
13. This Enquiry is subject to Conditions/ limits if any imposed in BHEL-PEM PMD/ Supplier registration.
14. Tentative quantity is given in the Enquiry.
15. Suppliers to submit offer for RC of said items ONLINE via BHEL-GePNIC Portal only. Suppliers to upload tender documents complete in all respects duly signed & stamped on each and every page by the authorized signatory of the Supplier as a token of acceptance of all the terms and conditions of tender.
16. The Supplier along with its associate/ collaborators/ sub-contractors/ sub-Supplier/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL web site <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud as soon as it comes to their notice.

Format for Local Content Certificate as per MII order

Ref:

Date:

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building,

Plot No 25, Sector -16A

Noida (U.P)-201301

Reference: Tender Enquiry No-.....

Name of Package:

Dear Sir,

We hereby certify that items of(Package name)

for.....(Project Name) offered by M/s(bidder's name)

having its works/office at has local content of%. Further,

it is also certified that the local content percentage (%) certified above is in line with definition of local content given in point no 2 of Public Procurement (Preference to Make in India), Order 2017- revision, having ref. no. P-45021/2/2017-PP(BE-II)-Part(4) Vol.II dated 04.06.2020 & 19.07.2024 an

M/s..... qualifies as Class-I local supplier.

Further, cost of locally imported items (inclusive of taxes) sourced locally from resellers/ distributors

is Rs and cost of licence/royalty paid/technical expertise cost etc. source from outside of India

is Rs.....

Details of the location(s) at which the local value addition-

Yours very truly

..... (Signing Authority Name & Sign)

..... (Firm Name)

To be given on Letter head of Bidder

Ref:

Date:

To,

Bharat Heavy Electricals Limited
PEM, PPEI Building,
Plot No 25, Sector -16A
Noida (U.P)-201301

Reference:

Order no-F6/18/2019-PPD dated 23.07.2020 issued by Ministry of Finance.

Tender Enquiry No-.....

Offer No-.....

Name of Package:

Dear Sir,

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I hereby certify that Company name, is not from such a country and is eligible to be considered.

Thanking You,

Yours faithfully,

(Company director seal and signature)

**TENTATIVE LIST OF FUTURE PROJECTS
FOR
ULTRASONIC FLOW METERS (FOR RATE CONTRACT)**

1	2X660 MW KORBA WEST
2	2X660 MW KORADI
3	3X800 MW NLCIL TALABIRA STPP
4	1X800 MW YAMUNANAGAR STPP
5	2X800 MW LARA STPP
6	2X800 MW SINGRAULI STPP
7	1X800 MW SIPAT STPP

TECHNICAL SPECIFICATION
FOR
ULTRASONIC FLOW METERS
(FOR RATE CONTRACT)

VOLUME II– B
SECTION C & D

SPECIFICATION No.
PE– TS– 20– 145– H916

	TITLE	TECHNICAL SPECIFICATION FOR ULTRASONIC FLOW METERS (RATE CONTRACT)				DOC. NO. PE–TS–20–145–H916																		
		BHARAT HEAVY ELECTRICALS LTD POWER SECTOR PROJECT ENGINEERING MANAGEMENT NOIDA				<table><tr><td rowspan="3">DEPT CODE H</td><td></td><td>NAME</td><td>SIGN</td><td>DATE</td></tr><tr><td>DESN</td><td>NJ</td><td></td><td>16.06.2026</td></tr><tr><td>CHD</td><td>CM/MK/SCS</td><td></td><td>16.06.2026</td></tr><tr><td></td><td>APPD</td><td>SANJAY KUMAR</td><td></td><td>16.06.2026</td></tr></table>	DEPT CODE H		NAME	SIGN	DATE	DESN	NJ		16.06.2026	CHD	CM/MK/SCS		16.06.2026		APPD	SANJAY KUMAR		16.06.2026
DEPT CODE H		NAME	SIGN	DATE																				
	DESN	NJ		16.06.2026																				
	CHD	CM/MK/SCS		16.06.2026																				
	APPD	SANJAY KUMAR		16.06.2026																				

	Technical specification for		SPEC NO.: PE-TS-20-145-H916	
	ULTRASONIC FLOW METERS		VOLUME II B	
	(RATE CONTRACT)		REV. NO. 00	DATE 16.06.2026

CONTENT

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C	Specific Technical Requirements	6
	Customer's Specification	10
	Datasheets-A	11
	Datasheet-C	16
	Quality Plan	19
	Bill of Quantity	22
D	Equipment Specification	27
	Guideline for Packing	31
	Documentation Requirement	33
	Compliance Certificate	35

	Technical specification for		SPEC NO.: PE-TS-20-145-H916	
	ULTRASONIC FLOW METERS		VOLUME II B	
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PROJECT INFORMATION

SL.NO	DESCRIPTION	DETAILS
1	CUSTOMER	PROJECT SPECIFIC REQUIREMENT SHALL BE FURNISHED LATER
2	LOCATION	
2.1	CO-ORDINATES	
2.2	NEAREST RAILWAY STATION	
2.3	NEAREST SEA PORT	
2.4	NEAREST AIRPORT	
2.5	NEAREST NATIONAL HIGHWAY	
3	METEOROLOGICAL DATA	
3.1	MAXIMUM TEMPERATURE	
3.2	MINIMUM TEMPERATURE	
3.3	RELATIVE HUMIDITY (FOR DESIGN)	
3.4	AVERAGE ANNUAL RAINFALL	
3.5	SEISMIC ZONE (AS PER IS 1893)	
3.6	HEIGHT ABOVE MSL	

	Technical specification for		SPEC NO.: PE-TS-20-145-H916	
	ULTRASONIC FLOW METERS		VOLUME II B	
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SCOPE OF THIS PACKAGE COVERS THE FOLLOWING:

SL.NO	DESCRIPTION	REQUIREMENT
1	Supply Including Design, Engineering, Manufacturing of Ultrasonic Flow Meter	
a)	Main Supply along with complete accessories	YES
b)	Commissioning Spares	NO
2	Painting	YES
3	Inspection & Testing	YES
4	Packing	YES
5	Transportation & Delivery to Site	YES
6	Erection & Commissioning	NO
7	Supervision of Erection & Commissioning	YES
8	Performance Guarantee (PG) Test	NO
9	Mandatory Spares	YES
10	O & M Service	NO
11	O & M Spares	NO

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
		VOLUME	II B
		SECTION	C
		REV. NO.	00

SECTION – C

SPECIFIC TECHNICAL REQUIREMENTS

CUSTOMER'S SPECIFICATION

DATA SHEETS – A

DATA SHEET – C

QUALITY PLAN

BILL OF QUANTITY (BOQ)

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
		VOLUME	II B
		SECTION	C
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SECTION – C

SPECIFIC TECHNICAL REQUIREMENTS

SPECIFIC TECHNICAL REQUIREMENTS

- 1.0 This specification is intended for finalization of rate contract between BHEL-PEM and bidder. Standard technical detail as indicated in the specification shall be agreed upon between BHEL-PEM and bidder. Project specific technical detail, process parameters, tests requirement shall be made available to the bidder along with project specific enquiry and shall be shared after finalization of rate contract.
- 2.0 The given requirement is bare minimum and equipment shall be designed/manufactured/ tested as per latest codes and standards. This specification covers the Design, Manufacture, Inspection and Testing at manufacturer's works, proper packing for transportation and delivery to site of the Complete Ultrasonic Flow Meter and other accessories, as mentioned in different sections of this specification.
- 3.0 The bids shall be evaluated as per NIT. Ordering shall be done separately for each project based on finalization of rate contract.
- 4.0 The quality plan enclosed forms the minimum requirement but not limited to be adhered to by the bidder. Project specific quality plan, shall be furnished to the bidder along with the project specific enquiry after finalization of rate contract, which shall be complied by the bidder in totality without any additional cost and delivery implication to BHEL.

5.0 TECHNICAL INSTRUCTIONS

- I. It is not the intent here to specify all the details of design and manufacturing. However, the equipment shall conform in all respects to high standard of design, engineering and workmanship and shall be capable of performing the required duties in a manner acceptable to BHEL/Customer, who will interpret the meaning of drawing and specification and shall be entitled to reject any component or material which in their judgement is not in full accordance herewith.
- II. The omission of specific reference to any component / accessory necessary for the proper performance of equipment shall not relieve the supplier of responsibility of providing such facilities to complete the supply within the quoted prices.
- III. BHEL's/Customer's representatives shall be given access to the shop in which equipment are being manufactured or tested and all test records shall be made available to them.
- IV. **The bidder to quote for items as per price format (SCHEDULE OF PRICES) attached. The quantity as mentioned in the BOQ is only for evaluation purpose. However actual ordered quantity may vary from project to project, which shall be finalized during project specific enquiry.**

- V. List of tentative projects targeted for execution of this rate contract is mentioned elsewhere in the NIT. During rate contract in force; BHEL-PEM reserves the right to order Ultrasonic Flow Meters for projects other than the mentioned project list.
 - VI. During rate contract in force; any other unit of BHEL may also make use of these rates for ordering.
 - VII. Inspection shall be carried out in line with pre-approved project specific Quality Plan, drawings/data sheet/QP which shall be finalized during detailed engineering.
 - VIII. Quality plan, attached herewith, is to be duly signed and stamped by the bidder and to be furnished along with the bid as a token of acceptance as a minimum requirement. Any deviation w.r.t specification and quality plan, shall not be acceptable and bid / offer shall be rejected.
 - IX. Wherever in data sheet more than one options are marked, bidder to comply for all the options. However, bidder to note that any one option shall be selected by BHEL for a specific project and the same shall be supplied by bidder within the quoted price as per the SCHEDULE OF PRICES included in the NIT.
 - X. Typical process parameters for various Ultrasonic Flow Meter services are covered in the datasheets DS1 and DS2 in Section-C of the specification. Actual process parameters shall be informed to bidder during project specific order.
 - XI. Scope of supply shall include complete Ultrasonic Flow Meter along with accessories and mandatory spares as mentioned in different sections of this specification. Bidder's scope also includes supervision of Erection & commissioning of Ultrasonic Flow meters for all the projects. This shall include site visits for smoother installation and commissioning of Ultrasonic Flow Meter assemblies. Bidder to quote for the same under SCHEDULE OF PRICES, included in NIT.
 - XII. For the Ultrasonic Flow Meters, manufactured and supplied from a foreign country, expenses for all inspection shall be included in bidder's quoted price.
- 6.0 Refer Section-D viz. "Equipment Specification" for Codes and Standards, Technical requirements, Tests & Inspection, Drawings and Documents, Packing, Marking & applicable Datasheets reference.
- 7.0 The "Service" description indicated in the respective datasheet(s) is for reference only. The actual service description for respective datasheets and all inputs like pipe size, design/ process parameters & accessories requirements shall be informed during project specific order.

- 8.0 SCHEDULE OF PRICES has to be duly filled by the bidder in all respects. Kindly also refer Ultrasonic flow meter datasheet for further details. Bids incomplete in any form shall not be evaluated and shall be liable for rejection.
- 9.0 The final documentation including the requisite number of operating manuals, maintenance and service manuals, component documentation, assembly documentation, drawings and listing, etc. shall be submitted in requisite quantities in English language and also in other language as per Customer's requirement. This shall be informed during project specific order and bidder to comply to this requirement without any commercial and delivery implication to BHEL.

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
		VOLUME	II B
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CUSTOMER’S SPECIFICATION

Same shall be informed by BHEL during project specific order

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
		VOLUME II B	
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SECTION-C

DATASHEET A

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)		SPEC NO.: PE-TS-20-145-H916
			VOLUME II B
			REV. NO. 00 DATE 16.06.2026

REF. DATA SHEET No. UFM-DS-1

DATA SHEET – A

DATA SHEET – A (TO BE FILLED BY PURCHASER)		
GENERAL	PROJECT TAG NO. SERVICE : MAKE : MODEL	} Shall be furnished during project engineering
	TYPE FLOW MEASUREMENT OUTPUT ACCURACY REPEATABILITY RANGEABILITY RESPONSE TIME LOAD RESISTANCE HART COMPATIBILITY CONTACT RELAY OUTPUT DISPLAY/INDICATION OPERATING VOLTAGE TOTALIZING FACILITIES VELOCITY MEASUREMENT FLOW MEASUREMENT PROTECTION CLASS ENCLOSURE MATERIAL MOUNTING ELECTRICAL CONNECTION COMMUNICATION PORTS SOFTWARE DIAGNOSTIC FEATURE RECORDING /LOGGING	■ TRANSIT TIME CLAMP-ON ■ DUAL PATH ■ 2 SETs OF SENSORS ■ Instantaneous Flow Rate ■ Totalized Flow Isolated 4-20 mA DC linear output ± 1% ±0.2% of calibration span 400:1 ≤ 20 msec ■ MIN. 500 OHM ■ MIN. 600 OHM ■ YES 2 NO + 2 NC Flow meter with LCD screen backlight based local display and keypad. ■ 230V AC ■ 24 VDC ■ YES ■ YES ■ YES IP-65 or better ■ SS316 ■ DIE CAST ALUMINIUM SS Chain or Strap ■ PLUG-IN SOCKET ■ CABLE GLAND ■ RS 232 C ■ RS 485 ■ YES ■ YES ■ YES
PROCESS DATA	RATE OF FLOW (T/HR) UPSTREAM WORKING PRESS (Kg/cm2g) DESIGN PRESS (Kg/cm2g) NORMAL TEMP (Deg C) MAXIMUM TEMP (Deg C) PIPE LOCATION	NORMAL : MAXIMUM : } Shall be furnished during project engineering ■ UNDERGROUND ■ OVERGROUND

	Technical specification for		SPEC NO.: PE-TS-20-145-H916	
	ULTRASONIC FLOW METERS		VOLUME II B	
			REV. NO. 00	DATE 16.06.2026
(RATE CONTRACT)				

PIPE LINE DATA	PIPE SIZE (OD x THK) mm	} Project Specific Line size shall be informed during detailed engineering >=80 NB TO <=400 NB CARBON STEEL UPSTREAM : 6D DOWNSTREAM : 4D
	PIPE MATERIAL	
	AVAILABLE PIPE STRAIGHT LENGTH	
SUPERVISION	SUPERVISION OF ERECTION AND COMMISSIONING	☒ YES

NOTES: -

- 1) All accessories required for the completeness of the system (like plug and socket connectors, Transducer cable, all mounting hardware, SS nameplate etc.) shall be provided.
- 2) Cable Gland, as applicable shall be Double compression type SS cable gland.
- 3) If required, Transmitter shall be suitably located away from the sensor for better access and visibility. Hence minimum 30 meter of cable length (transducer cable) to be considered between sensor and transmitter for each Ultrasonic Flow meter.

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)		SPEC NO.: PE-TS-20-145-H916
			VOLUME II B
			REV. NO. 00 DATE 16.06.2026

REF. DATA SHEET No. UFM-DS-2

DATA SHEET – A

DATA SHEET – A (TO BE FILLED BY PURCHASER)		
GENERAL	PROJECT TAG NO. SERVICE : MAKE : MODEL	} Shall be furnished during project engineering
	TYPE FLOW MEASUREMENT OUTPUT ACCURACY REPEATABILITY RANGEABILITY RESPONSE TIME LOAD RESISTANCE HART COMPATIBILITY CONTACT RELAY OUTPUT DISPLAY/INDICATION OPERATING VOLTAGE TOTALIZING FACILITIES VELOCITY MEASUREMENT FLOW MEASUREMENT PROTECTION CLASS ENCLOSURE MATERIAL MOUNTING ELECTRICAL CONNECTION COMMUNICATION PORTS SOFTWARE DIAGNOSTIC FEATURE RECORDING /LOGGING	■ TRANSIT TIME CLAMP-ON ■ DUAL PATH ■ 2 SETs OF SENSORS ■ Instantaneous Flow Rate ■ Totalized Flow Isolated 4-20 mA DC linear output ± 1% ±0.2% of calibration span 400:1 ≤ 20 msec ■ MIN. 500 OHM ■ MIN. 600 OHM ■ YES 2 NO + 2 NC Flow meter with LCD screen backlight based local display and keypad. ■ 230V AC ■ 24 VDC ■ YES ■ YES ■ YES IP-65 or better ■ SS316 ■ DIE CAST ALUMINIUM SS Chain or Strap or Welded ■ PLUG-IN SOCKET ■ CABLE GLAND ■ RS 232 C ■ RS 485 ■ YES ■ YES ■ YES
PROCESS DATA	RATE OF FLOW (T/HR) UPSTREAM WORKING PRESS (Kg/cm2g) DESIGN PRESS (Kg/cm2g) NORMAL TEMP (Deg C) MAXIMUM TEMP (Deg C) PIPE LOCATION	NORMAL : MAXIMUM : } Shall be furnished during project engineering ■ UNDERGROUND ■ OVERGROUND

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)		SPEC NO.: PE-TS-20-145-H916	
			VOLUME	II B
			REV. NO.	00
			DATE	16.06.2026

PIPE LINE DATA	PIPE SIZE (OD x THK) mm	>400 NB TO <=4500 NB	} Project Specific Line size shall be informed during detailed engineering
	PIPE MATERIAL	CARBON STEEL	
	AVAILABLE PIPE STRAIGHT LENGTH	UPSTREAM : 6D DOWNSTREAM : 4D	
SUPERVISION	SUPERVISION OF ERECTION AND COMMISSIONING	■ YES	

NOTES: -

- 1) All accessories required for the completeness of the system (like plug and socket connectors, Transducer cable, all mounting hardware, SS nameplate etc.) shall be provided.
- 2) Cable Gland, as applicable shall be Double compression type SS cable gland.
- 3) If required, Transmitter shall be suitably located away from the sensor for better access and visibility. Hence minimum 30 meter of cable length (transducer cable) to be considered between sensor and transmitter for each Ultrasonic Flow meter.

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
		VOLUME II B	
		SECTION C	
		REV. NO. 00	DATE 16.06.2026

SECTION-C

DATASHEET C

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)		SPEC NO.: PE-TS-20-145-H916
			VOLUME II B
			REV. NO. 00 DATE 16.06.2026

DATA SHEET – C (TO BE FILLED BY VENDOR)

DATA SHEET – A (TO BE FILLED BY PURCHASER)		
GENERAL	PROJECT TAG NO. SERVICE : MAKE : MODEL	
TECHNICAL	TYPE FLOW MEASUREMENT OUTPUT ACCURACY REPEATABILITY RANGEABILITY RESPONSE TIME LOAD RESISTANCE HART COMPATIBILITY CONTACT RELAY OUTPUT DISPLAY/INDICATION OPERATING VOLTAGE TOTALIZING FACILITIES VELOCITY MEASUREMENT FLOW MEASUREMENT PROTECTION CLASS ENCLOSURE MATERIAL MOUNTING ELECTRICAL CONNECTION COMMUNICATION PORTS SOFTWARE DIAGNOSTIC FEATURE RECORDING /LOGGING	
PROCESS DATA	RATE OF FLOW (T/HR) UPSTREAM WORKING PRESS (Kg/cm2g) DESIGN PRESS (Kg/cm2g) NORMAL TEMP (Deg C) MAXIMUM TEMP (Deg C) PIPE LOCATION	

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
		VOLUME	II B
		REV. NO.	00

PIPE LIE DATA	PIPE SIZE (OD x THK) mm	
	PIPE MATERIAL	
	AVAILABLE PIPE STRAIGHT LENGTH	
SUPERVISION	SUPERVISION OF ERECTION AND COMMISSIONING	

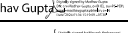
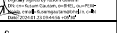
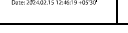
	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
		VOLUME II B	
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SECTION-C

QUALITY PLAN

	MANUFACTURER / BIDDER / SUPPLIER NAME & ADDRESS		QUALITY PLAN: STANDARD QUALITY PLAN		SPEC. NO:		DATE:	
			CUSTOMER:		QP NO.: PE-QP-999-145-011, Rev.00		DATE: 05.06.26	
			PROJECT:		PO NO.:		DATE:	
			ITEM: ULTRASONIC FLOW METER		SYSTEM: S&CE		SHEET 1 OF 2	

Sr No.	Component & Operations	Characteristics	Class	Type of Check	Quantum of check		Reference document	Acceptance norms	Format of record	Agency				Remarks
1	2	3	4	5	6		7	8	9	*	**			10
					M	B/C				D	M	B	C	
1.0	RAW MATERIAL													
1.1	Electronic Housing	Chemical Property	MA	Visual	100%	-	Approved Data Sheet	Approved Data Sheet	Test Certificate	√	P	--	--	
1.2	Cable gland	Chemical Property	MA	Visual	100%	-	Approved Data Sheet	Approved Data Sheet	Test Certificate	√	P	--	--	
1.3	Mounting Material like chain etc.	Chemical Property	MA	Visual	100%	-	Approved Data Sheet	Approved Data Sheet	Test Certificate	√	P	--	--	
2.0	IN PROCESS INSPECTION													
2.1	Sensor, Electronics Housing	Dimension	MA	Measurement	100%	-	Approved Data Sheet	Approved Data Sheet	Inspection Report	√	P	--	--	
3.0	FINAL INSPECTION													
3.1	Complete Assembly	Overall dimension and end connection	MA	Measurement	100%	100%	Approved Data Sheet	Approved Data Sheet	Inspection Report	√	P	W	W	
		Marking-Tag No., direction of flow	MI	Visual	100%	100%	Approved Data Sheet	Approved Data Sheet	Inspection Report	√	P	W	W	
		Degree of Protection	MA	Visual	100%	-	Approved Data Sheet	Approved Data Sheet	Inspection Report	√	P	V	--	Certificate for DOP, as per IEC-60529:2001 shall be produced for verification
3.2	Functional test & power ON	Electrical	MA	Visual	100%	100%	Approved Data Sheet	Approved Data Sheet	Inspection Report	√	P	W	W	
3.3	HART Communication	Calibration with Hand Held Communicator	MA	---	100%	100%	Mfr. Standard	Mfr. Standard	Inspection Report	√	P	W	W	
3.4	Calibration	Calibration	MA	Performance Test	100%	-	Approved Data Sheet	Approved Data Sheet	Test Certificate	√	P	V	--	CALIBRATION Test to be carried out at FCRI

BHEL						BIDDER/ SUPPLIER			FOR CUSTOMER REVIEW & APPROVAL			
ENGINEERING			QUALITY			Sign & Date		Doc No:				
	Name	Sign & Date		Name	Sign & Date	Seal			Name	Sign & Date	Seal	
Prepared by	Madhav Gupta		Prepared by	Kusum Gautam								
Reviewed by	M. Kesharwani		Reviewed by	Harish Kumar								
Approved by	Girish Bhagchandani		Approved by	Harish Kumar								

Kundan
Prasad

Digitally signed by Kundan Prasad
DN: cn=Kundan Prasad, o=BHEL,
ou=PEM Noida,
email=kundanp@bhel.in, c=US,
Date: 2026.02.26 11:54:19 +05'30'

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	MANUFACTURER / BIDDER / SUPPLIER NAME & ADDRESS		QUALITY PLAN: STANDARD QUALITY PLAN			SPEC. NO:			DATE:	
			CUSTOMER:			QP NO.: PE-QP-999-145-011, Rev.00			DATE: 05.06.26	
			PROJECT:			PO NO.:			DATE:	
			ITEM: ULTRASONIC FLOW METER		SYSTEM: S&CE				SHEET 2 OF 2	

														or NABL approved laboratory.
4.0	Painting	Shade & finish	MA	Measurement	100%	100%	Approved Drg/Data Sheet	Approved Drg/Data Sheet	Inspection Report	√	P	V	--	DFT check
5.0	Packing	Soundness of Packing against transit damage	MA	Visual	100%	100%	Tech Spec	Tech Spec	--	√	P	V	---	

LEGEND: * RECORDS, IDENTIFIED WITH "TICK"(√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION, D: DOCUMENTATION. ** M: SUPPLIER/ MANUFACTURER/ SUB-SUPPLIER/SUB-CONTRACTOR, B: BHEL/ BHEL NOMINATED THIRD PARTY INSPECTION AGENCY, C: CUSTOMER, P: PERFORM, W: WITNESS, V: VERIFICATION P: PERFORM, W: WITNESS, V: VERIFICATION, MA: MAJOR, MI: MINOR, CR: CRITICAL.														
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

BHEL						BIDDER/ SUPPLIER		FOR CUSTOMER REVIEW & APPROVAL			
ENGINEERING			QUALITY			Sign & Date		Doc No:			
	Name	Sign & Date		Name	Sign & Date	Seal			Name	Sign & Date	Seal
Prepared by	Madhav Gupta		Prepared by	Kusum Gautam							
Reviewed by	M. Kesharwani		Reviewed by	Harish Kumar							
Approved by	Girish Bhagchandani		Approved by	Harish Kumar							

Kundan
Prasad

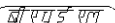
Digitally signed by Kundan Prasad
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ou=PEM Noida,
email=kundapp@bhel.org, c=IN
Date: 2026.02.27 15:29:40 +05'30'

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	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
		VOLUME II B	
		SECTION C	
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SECTION – C

BILL OF QUANTITY

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
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BILL OF QUANTITY (FOR MAIN SUPPLY)

COMPLETE ULTRASONIC FLOW TRANSMITTER ASSEMBLIES (complete with connectors, transducer cable, all mounting hardware, SS name plate, SS chain etc.):

S.NO	REF DATA SHEET NO	ITEM DESCRIPTION	PIPE RANGE	QTY
1	UFM_DS-1	DUAL PATH TRANSIT TIME CLAMP ON UFM HAVING 2 SETS OF SENSORS (UFM-2 PATH 2 SET SENSOR-80NB=<X<=400NB)	>=80 NB TO < =400 NB	2
2	UFM_DS-2	DUAL PATH TRANSIT TIME CLAMP ON UFM HAVING 2 SETS OF SENSORS (UFM-2 PATH 2 SET SENSOR-400NB<X<=4500NB)	>400 NB TO <=4500 NB	35

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	ULTRASONIC FLOW METERS		VOLUME II B
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BILL OF QUANTITY (SUPERVISION OF ERECTION & COMMISSIONING)

S.NO	ITEM DESCRIPTION	UNIT	QTY
1	SUPERVISION OF E&C-VISITS	NOS	26
2	SUPERVISION OF E&C-MANDAYS	NOS	52

NOTES

1. VISIT CHARGES SHALL BE INCLUSIVE OF CHARGES OF AIR FARE/TRAIN FARE, BOARDING, LODGING, LOCAL CONVEYANCE, MEDICAL INSURANCE ETC.

2. AMOUNT PAYABLE FOR ENGINEER PER VISIT TO SITE = VISIT CHARGES AS PER SL. NO. 1.0 ABOVE + (MANDAYS CHARGES AS PER SL. NO. 2.0 ABOVE X NO. OF DAYS AT SITE) (TO BE CERTIFIED BY BHEL SITE).

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BILL OF QUANTITY (FOR MANDATORY SPARES)

S.NO	DESCRIPTION	QTY
1	Transmitters of all types and model (for the measurement of flow including local indication) (ULTRASONIC FLOW METERS-MS-ELECTRONIC TRANSMITTER)	12
2	DUAL PATH TRANSIT TIME CLAMP ON UFM HAVING 2 SETS OF SENSORS (ULTRASONIC FLOW METERS-MS-UFM-2 PATH 2 SET SENSOR-400NB<X<=4500NB)	4

	Technical specification for ULTRASONIC FLOW METERS (RATE CONTRACT)	SPEC NO.: PE-TS-20-145-H916	
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SECTION – D

EQUIPMENT SPECIFICATION

GUIDELINES FOR PACKING

DOCUMENTATION REQUIREMENT

COMPLIANCE CERTIFICATE

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SECTION-D

EQUIPMENT SPECIFICATION



Technical specification for
ULTRASONIC FLOW METER
(RATE CONTRACT)

SPEC NO.: PE-TS-20-145-H916

VOLUME II-B

SECTION D

REV. NO. 00

DATE: 16.06.2026

1.0 SCOPE

This specification covers the Design, Manufacture, Calibration, Inspection and Testing at the manufacturer's works, proper packing for transportation and delivery to site of Ultrasonic Flow Meter for use in Utility/Captive Power Station/Combined Cycle Station.

2.0 CODES AND STANDARDS

- 2.1 All the equipment's specified herein shall comply with the requirements of the latest issue of the relevant National and International standards.
- 2.2 The Ultrasonic Flow Meters shall be of proven reliability, accuracy and repeatability requiring a minimum of maintenance. The Design and Materials used for the components shall also comply with the relevant National and International standards.

3.0 TECHNICAL REQUIREMENT

The Ultrasonic Flow Meters and the accessories shall be suitable for continuous operation under an ambient temperature of 0-55°C for Transmitter and (-) 20 to 100°C for Transducer and Relative Humidity of 0-95% unless specified otherwise in volume IIB, Section-C or Section-D.

All accessories required for mounting/erection of these instruments shall be furnished as necessary for completeness of the system.

3.1 Flow measurement

The Ultrasonic Flow Transmitter shall be based on transit-time flow measurement technique which uses a pair of transducers with each transducer sending and receiving coded ultrasonic signals through the fluid. When the fluid is flowing, signal transit-time in the downstream direction is shorter than in the upstream direction; the difference between these transit times is proportional to the flow velocity. The Ultrasonic Flow Transmitter measures this time difference and uses programmed pipe parameters to determine flow rate and direction.

3.2 Accessories:

All mounting hardware like clamping fixtures like mounting brackets, chain etc., mechanism to remove the sensors on line, interconnecting screened cables between Transducer & Transmitter, Cable Glands etc. is required to be supplied. Weather canopy for protection from direct sunlight and direct rain shall also be offered as an option. Material of all fittings shall be SS-316.

- 3.3 **Painting** of the Ultrasonic Flow Meter assembly shall be as per the Customer's Painting Specification, to be furnished during project specific enquiry. In the absence of specification for painting, bidder to submit their standard painting procedure/specification for BHEL's approval. This shall be informed during the project specific enquiry and bidder to comply the same without any commercial implication to BHEL.



Technical specification for
ULTRASONIC FLOW METER
(RATE CONTRACT)

SPEC NO.: PE-TS-20-145-H916

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SECTION D

REV. NO. 00 DATE: 16.06.2026

4.0 TEST & INSPECTION

4.1 The testing and inspection of the equipment/items shall be in line with the approved QAP

4.2 The cost of all tests as per the approved QAP will be deemed to have been included in the bid.

4.3 In case, the bidder is supplying the flow meter from outside India, the third-party inspection shall be arranged and considered by the bidder in their offer.

5.0 SPARES AND CONSUMABLES

5.1 Commissioning Spares and consumables

The bidder shall supply all commissioning spares and consumables required during Start-up, as part of the main equipment supply.

5.2 Recommended Spares

The bidder shall furnish a list of Recommended Spares along with the normal service expectancy period and frequency of replacement quantities recommended for 3 years' operation along with unit rate against each item to enable BHEL/BHEL's Customer to place a separate order later, if required.

5.3 Special Tools & Tackles

The bidder shall furnish a list of Special Tools & Tackles included in the bid.

5.4 Mandatory Spares

Bidder to supply mandatory spares as per project specific requirement during contract stage.

6.0 DRAWINGS & DOCUMENTS

6.1 The bidder shall furnish the following documents along with the bid : 4 Sets

1. Schedule of prices in the Price Format.
2. Quality Plan - duly signed & stamped.
3. Compliance certificate duly signed & stamped.



Technical specification for
ULTRASONIC FLOW METER
(RATE CONTRACT)

SPEC NO.: PE-TS-20-145-H916

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SECTION D

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6.2 The successful bidder shall furnish the following documents to BHEL during the contract stage viz. after the award of contract:-

A) PRIMARY DOCUMENTS

1. DATA SHEET, CALCULATION, BOQ/BOM, GA DRAWING
2. HOOK UP /INSTALLATION DRAWING
3. Quality Approved Plan (QAP)

B) SECONDARY DOCUMENTS

1. O&M Manual

7.0 PACKING & MARKING

7.1 Marking

A stainless-steel metal nameplate should be permanently fixed on each equipment giving its tag number and technical specifications including Line size, thickness, Direction of flow.

7.2 Packing

All equipment / materials shall be suitably packed and protected for the entire period of dispatch, storage and erection against impact, abrasion, corrosion, incidental damage due to vermin, sunlight, high temperature, rain, moisture, humidity, dust, sea water spray (where applicable) as well as rough handling and delays in transit and storage in open. Guidelines for packing are enclosed in the specification.

8.0 APPLICABLE DATA SHEETS

This document shall be read in conjunction with following data sheets.

1. Data Sheet - A : Data sheet no. UFM-DS-1 to UFM-DS-2

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SECTION – D

GUIDELINES FOR PACKING



Technical specification for ULTRASONIC FLOW METER (RATE CONTRACT)

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PACKING REQUIREMENT - Minimum requirement of packing specified herewith, any superior packing can also be acceptable

1.0 Type of Packing:

- 1.1 Item shall be fully covered with multi layered cross laminated colourless polyethylene sheet of at least 100 GSM and shall be packed inside wooden box or crate or fixed on wooden pallet depending upon the size.
- 1.2 Item shall be firmly fixed to the bottom of the packing box/crate/pallet with the help of supports/blocks to arrest the movement from all sides.
- 1.3 The electronic items like transmitter and other delicate items shall be disassembled and packed separately in polyethylene air bubble film or black foam prior to placing in wooden boxes. Instructions with sketch for mounting the transmitter shall be sent along with the packing list for erection at site.
- 1.4 Loose items/accessories shall be separately packed with polyethylene sheet of at least 100 GSM inside the packing box/crate.
- 1.5 Threaded connection of transmitter shall be shipped with the end caps fitted to avoid any damage. Corrosion inhibitors are to be applied on all unpainted carbon steel surfaces.
- 1.6 Marking for Fragile & Condensing environment shall be done on the packing box.

2.0 Quality of wood:

Quality of wood: Wood used for packing box shall be Pinewood, Rubber wood, Mango wood, Fir wood, Silver Oak wood or other as per availability with moisture content not exceeding 30%.

3.0 Cushioning material and moisture absorber:

- 3.1 Suitable cushioning shall be provided by rubberized coir/ expanded soft polyethylene foam.
- 3.2 Adequate quantity of packed desiccant shall be suitably placed inside the packing box.

4.0 Packing slip & holder:

- 4.1 Packing slip kept in polyethylene bag shall be placed inside the wooden box at appropriate place.
- 4.2 One copy of packing slip wrapped in polyethylene bag covered in galvanized iron tin sheet/ aluminium packing slip holder shall be fixed on the external surface the packing box.

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SECTION-D

DOCUMENTATION REQUIREMENT

	TECHNICAL SPECIFICATION ULTRASONIC FLOW METER (RATE CONTRACT)	PE-TS-20-145-H916
		Rev. No. 00
		Date : 16.06.2026

DOCUMENTATION REQUIREMENT

DRAWINGS & DOCUMENTS TO BE SUBMITTED BY ALL THE BIDDERS ALONG WITH THE BID	
Sl. No.	DOCUMENT TITLE
1	PQR CREDENTIALS
2	COMPLIANCE SHEET
3	SCHEDULE OF PRICES (UNPRICED)

DRAWINGS & DOCUMENTS TO BE SUBMITTED BY SUCCESSFUL BIDDER AFTER AWARD OF CONTRACT ALONG WITH SUBMISSION SCHEDULE		
Sl. No.	DOCUMENT TITLE	FIRST SUBMISSION SCHEDULE
1	DATASHEET	With 15 days from PO
2	GA DRAWING	With 15 days from PO
3	INSTALLATION DIAGRAM	With 15 days from PO
4	QUALITY PLAN DULY SIGNED & STAMPED	With 15 days from PO
BHEL/Customer comments/approval and Vendor Resubmission schedule		
BHEL Comment / Approval on First revision		Within 10 days of Vendor submission/Resubmission
BHEL /Customer Comment/Approval on subsequent revision		Within 18 days of Vendor submission/Resubmission
Vendor Resubmission		Within 10 days of BHEL/ Customer Comments.

DRAWINGS & DOCUMENTS TO BE SUBMITTED AS FINAL/AS-BUILT DOCUMENT		
Sl. No.	DOCUMENT TITLE	SUBMISSION SCHEDULE
1	APPROVED DOCUMENTS	Along with dispatch
2	O&M MANUAL	
3	ALL TEST CERTIFICATES	

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SECTION-D

COMPLIANCE CERTIFICATE

	Technical specification for Ultrasonic Flow Meters (RATE CONTRACT)	PE-TS-20-145-H028
		Rev. No. 00
		Date : 16.06.2026

COMPLIANCE CERTIFICATE	
1	It is hereby confirmed that the technical specification(including Quality plan) has been read and understood. We confirm compliance to the tender specification including any prebid clarification and amendments issued prior to techno-commercial bid opening without any deviation.
2	It is hereby declared that any technical submittals which were not specifically asked by BHEL in the NIT shall not to be considered as part of bid and shall not be evaluated by BHEL.

Signature of authorised Representative

Name and Designation :

Name & Address of the Bidder

Date