

TERMS & CONDITIONS
PROCUREMENT OF WELDED PIPES WITH ATTACHMENT AND INTERNAL
GLASS FLAKE COATING FOR SEA WATER INTAKE FOR ENNORE PROJECT
2X660MW

INDIGENOUS / FOREIGN

SL. NOs.	BHEL REQUIREMENT	AGREE/ DISAGREE/ Tick appropriate option												
1	SCOPE OF SUPPLY Manufacture and supply of below mentioned quantity of Welded Pipes with attachment meeting BHEL drawing & technical requirements with external painting and special internal coating for Ennore Project and to be delivered at Ennore SEZ STPP 2X660 MW project site.													
2	LIST OF ITEMS <table><tr><th>Sl No.</th><th>Item Description</th><th>Qty in nos</th><th>Drawing No</th></tr><tr><td>10</td><td>Pipe Dia 1320X12 MM -12 Meter length/No (with attachments)</td><td>650</td><td>3-80468-33807/02</td></tr><tr><td>20</td><td>Pipe Dia 1524X14 MM -12 Meter length/No (with attachments)</td><td>300</td><td>3-80-468-33808/02</td></tr></table>	Sl No.	Item Description	Qty in nos	Drawing No	10	Pipe Dia 1320X12 MM -12 Meter length/No (with attachments)	650	3-80468-33807/02	20	Pipe Dia 1524X14 MM -12 Meter length/No (with attachments)	300	3-80-468-33808/02	
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3.0	<u>TECHNICAL REQUIREMENTS</u> <u>(PIPE WITH ATTACHMENTS AS PER DRAWING)</u> Pipe shall be manufactured from IS 2062 or equivalent plates/coils through Long seam/Spiral welded process meeting IS3589 specification and BHEL Technical Delivery Condition TDC: TDG:07 Rev. 06. Saddle arrangement, End cover, Lifting lugs and Edge preparation (beveling) shall be done as per Drawing mentioned against each item. Welding of Saddle support and Lifting Lug to be carried out before internal coating. Spider Arrangement shall be provided as per Drawing No. 4-80-468-81492 Rev. 00 Length of each Pipe shall be 12000 mm. Tolerance +50 / -50 mm. (BHEL prefers pipes length closer to 12000 mm. However, tolerance of +50/-50 mm is given to accommodate manufacturing difficulties. Vendors shall maintain the given tolerance with variance on both plus and minus to enable matching of saddle arrangement during erection at site) Deviation if any shall be clearly indicated in a separate sheet. UNDISCLOSED DEVIATIONS ARE NOT ACCEPTABLE.													

3.1	<u>Requirements for Pipe Fabrication with attachment</u>							
	Bidder shall either procure the pipes from BHEL approved source or can manufacture the same using IS 2062 plates/coils confirming to IS 3589 & TDC: TDG:07 Rev. 06.							(TICK ANY ONE)
3.1.1	If Bidder is BHEL approved source given in Annexure - A							☐
3.1.2	If Bidder opt to procure the pipes from BHEL approved source given in Annexure – A							☐
3.1.3	In case bidder opt to source pipe from any other pipe manufacturer not in the list Ref: Annexure - A, Pipe Manufacturer shall meet the requirements of sl.no.3.1 above indicated and sufficient documentation shall be provided for BHEL's review/approval. If Yes, following credentials of the pipe manufacturer to be submitted. a) Valid ISO-9001 Certificate b) PO copies / Supply completion certificate copies containing Customer Name, Size & Quantity, Month and year of their supplies shall be furnished. c) End customer details shall be provided to verify the performance, if required. d) List of Manufacturing/Fabrication, testing, storage & handling facilities and list of personnel. e) Furnish the monthly/annual capacity details (in terms of MT) f) Valid BIS Certificate, if available							☐
3.1.4	Bidder may also fabricate the Pipes from IS2062 Plates/Coils and confirm to meet the requirements of IS 3589 & TDC: TDG:07 Rev. 06. If Yes, Points 3.1.3 (a – f) above to be confirmed and supporting documents to be submitted							☐
3.2	WPS/PQR to be submitted							
3.3	Typical Quality plan available with vendor shall be submitted. (Preferably customer approved)							
3.4	Bidder shall submit detailed process flow chart from raw material stage including manufacturing of pipe, welding of attachments, testing and coating. Bidder shall indicate whether they are out sourcing any of the activity. If so, details shall be furnished.							
3.5	Bidder to provide plan for execution of the tendered quantity in assumption of bagging the order. (along with Part 1 bid) • Time for procurement of raw material. • Rolling & Welding of Pipes • Welding of attachments • Testing • Coating • Month-wise Delivery schedule – Monthly capacity (No of pipes per month).							
	MONTH	1	2	3	4	5	6	BEYOND 6 MONTHS
	QTY NOS							
	WEIGHT MT							

4

COATING REQUIREMENT

Painting Scheme Reference for ENNORE QP NO:**7270: QPC:12 Rev. 02** dt. 26.05.2017

External

Epoxy Polyamide resin base zinc phosphate primer – 2 coats (35 microns per coat)

Epoxy resin MIO – intermediate -1 coat (75 microns)

Total DFT = 145 microns

Internal

Isophthalic Polyester/acrylic co-polymer filled with glass flakes coating - 1000 microns (min).

Acceptance to coat inside surface of pipes with Isophthalic Polyester /Acrylic co-polymer filled with **glass flakes** meeting engineering specification ref **PC: E:GF:001 Rev 00**.

Internal coating shall be done by any one of following coating vendors (Acceptable to BHEL)

- i. M/s Kirloskar corrocoat private Limited,
- ii. M/s Demech Chemical Products Pvt. Ltd.,
- iii. M/s Akzo Nobel India Limited.

If vendor prefers to choose any vendor other than the above three, the following criteria will be considered for acceptance by BHEL. Supporting documents called for shall be submitted along with tender without fail.

However, the above approved coating vendor shall comply the requirements indicated in sl.no:7 below. Bidder shall ensure the same.

Criteria that will be considered for acceptance of Isophthalic polyester/acrylic co-polymer filled with Glass Flake Coating vendor cum applicator.

1. Coating Vendor shall be a manufacturer of Isophthalic polyester/acrylic co-polymer filled with glass flakes coating material. They are also responsible for the application of the coating on the internal surface of the Pipes covered in this tender used for transporting sea water. Factory license and or any other relevant documents to substantiate proof of manufacturing glass flake coating shall be enclosed.
2. Coating Vendor shall have proven track record for having coated Isophthalic polyester/acrylic co-polymer filled with glass flakes coating for similar pipe sizes mentioned in this tender used for sea water application and shall be in operation for a minimum period of 5 years.
3. Coating Inspection shall be performed by NACE level 2 inspectors. Details to be furnished.
4. Coating vendor shall possess an ISO 9001 or its equivalent Certificate. Copy shall be furnished.
5. Coating vendor shall submit the test certificates from independent reputed laboratory

**To Confirm
the coating
vendor
Name**

**Supporting
documents
enclosed
YES/NO**

	(IIT/ICT preferably) towards the below indicated type tests meeting values as indicated in Engg specification PC: E: GF: 001 Rev 00. a) Water Vapour Permeability - ASTM-D-1653 b) Adhesive Strength - ASTM-D-4541 c) Tensile Strength - ASTM-D-638 d) Abrasion Resistance - ASTM-D-4060 e) Cathodic Disbondment - ASTM G8 6. Coating Vendor shall furnish typical Quality Plan , Detailed Procedure for coating & testing of any recently executed contract for our review. (QP used / approved by any other well-known customer preferred) 7. Coating Vendor will have to accept coating of (i) Pipes covered in this tender at Pipe manufacturer's works (ii) mitre bends, fittings (approx. 5% of Pipes quantum) at any one of our BHEL Unit / BHEL's Sub contractors works and (iii) site joints (approx. 2% of Pipes quantum) at Project site. Coating Vendor shall also carry out walk through inspection and repair work if any for the entire coated pipe line in-situ at site after erection. BHEL shall evaluate the credentials of coating vendor and reserves the right to accept or reject the coating vendor. In case of rejection, BHEL will provide the acceptable additional list of coating vendors to the Bidder who are otherwise acceptable. In such case the Bidder will be allowed to submit the price implication if any before price bid opening. Coating vendor shall agree to provide corporate guarantee for a period of 10 years from completion of internal coating of pipes.	QP to be enclosed
5	QUALITY PLAN After placement of Purchase order vendor shall submit (a) Quality plan for fabrication of pipe with attachment, meeting the agreed tender requirements (b) Procedure and QAP for Internal Coating of pipe by Coating Manufacturer. for review/approval immediately within 4 days for QP of Pipe with attachment and 20 days for QP and procedure of glass flake Coating. Manufacturing shall commence subjected to approval of above QPs by BHEL.	
6	INSPECTION Indigenous suppliers BHEL/ BHEL approved third Party inspection agency. Inspection call shall be raised by the Bidder as per the inspection stages indicated in approved Quality Plan. Inspection call shall be given at least 14 days in advance to the required inspection for planning. Inspection call letter should contain all details pertaining to type of inspection, manufacturing schedule, inspection dates etc.	

	Bidder to ensure the readiness of material on the date of visit by inspector. Foreign suppliers Inspection shall be through renowned agencies such as TUV, Lloyds, SGS & BV. If any different agency is proposed by the bidder; the name of the inspection agency shall be indicated in the offer. BHEL shall consider for acceptance or otherwise. Inspection charges shall be included in the quoted unit prices.	
7	TESTING AND TEST CERTIFICATES	
7.1	NDE TESTING FOR PIPE WITHOUT ATTACHMENTS As per clause 5.2 of TDC: TDG:07:06 dt. 04.05.12 shall be done by any one of the following options. Bidders to tick and indicate their choice below – i) 100% Hydro test along with Radiography Test for 100 mm Weld Length on both the ends of each pipe. ☐ ii) 100% Ultrasonic Test + 10% Radiography Test on weld length (including all T-joints and 100 mm Weld length at both the ends) for each pipe. ☐ iii) 100% Radiography Test on weld length of each pipe. ☐	(TICK ANY ONE)
7.2	NDE TESTING FOR ATTACHMENT WELDING shall be as per BHEL approved QP. <u>Marking & Identification:-</u> Pipes shall be marked & identified with details as indicated in TDG: 07:06 Cl.8.1&8.2 on external surfaces of the Pipe & Cl.8.3 shall be ensured on internal surfaces of the Pipe. Test certificates as called for in the TDC & approved QP shall be sent to Purchase / Piping Centre BHEL Chennai immediately after the shipment / dispatch of items and not through Bank. Inspection documents shall be furnished for each batch of dispatch / consignment. Soft copy in CD format of the all the test certificates shall also be submitted. Year of Code for the standards shall be latest and the specific year is to be mentioned in the Manufacturer's test certificates.	
8	<u>Two-part bid :</u> Part-I TECHNICAL - CUM – COMMERCIAL PART (Un priced) :- This part of the bid shall contain following technical and commercial points only (except price portion) 1. Bidder to submit duly filled and signed '<u>Pre-Qualification Criteria</u>' along with all supporting documents.	

	2. Duly filled, signed and stamped 'Terms and Conditions' format which contains Commercial & Technical requirements along with BHEL TDC: TDG: 07: 06, Painting scheme, Edge preparation and Spider Arrangement Drawings and all supporting documents. 3. Copy of Unpriced bid (without price) clearly <u>indicating quoted/not quoted</u> against each line item. 4. Integrity Pact - To be filled and submitted with Part-1 without fail. The above documents form part of this tender document and bidder shall ensure that they have received all these along with tender and confirm.	
9	PART II <u>PRICE PART</u> : <u>INDIGENOUS BIDDERS</u> The unit price shall be quoted on FOR Ennore project site basis (BASE PRICE and other components strictly as per price template attached) The price shall include all testing, inspection, packing and freight & insurance charges. <u>PLEASE DO NOT QUOTE ON EX-WORKS BASIS.</u> Price quoted by the Supplier item wise with break up as per the price bid template shall be furnished. a.Base Price shall include Cost of Raw Material plus conversion cost per Number of pipe including saddle support, lug plate and end cover with Edge Preparation and providing Spider Arrangement and Testing and Packing and freight & insurance. b.External Painting& Internal Coating charges shall be quoted extra as per the respective painting scheme attached, as indicated in the price format. c. Percentage of applicable GST shall be clearly indicated. d. Freight and transit insurance charges to be quoted extra. Ordering shall be on Free on Road, FOR – ENNORE Project Site.	
	<u>FOREIGN BIDDERS</u> The unit price shall be quoted on CFR Chennai port basis. Tender shall be evaluated for price competitiveness on FOR Ennore project site (total cost to BHEL) basis, considering quotation on CFR Chennai. Currency to be mentioned. Country of origin to be indicated. The price shall include all testing, inspection, packing and freight & insurance charges. <u>PLEASE DO NOT QUOTE ON EX-WORKS BASIS.</u> Price quoted by the Supplier item wise with break up as per the price bid template shall be furnished.	

	a. Base Price shall include Cost of Raw Material plus conversion cost per Number of pipe including saddle support, lug plate and end cover with Edge Preparation and providing Spider Arrangement and Testing and Packing and freight & insurance. b. External Painting& Internal Coating charges shall be quoted extra as per the respective painting scheme attached, as indicated in the price format. c. Freight charges should be quoted extra. Ordering shall be on be CFR – Chennai Port basis.	
10	<u>COUNTER OFFERING AND SPLITTING OF ORDER</u> L1 rates shall be counter-offered to the other vendors. Ordering may be distributed among other counter offer accepted vendors. If L2 & L3 vendors do not accept, the same will be extended to other vendors except H1. Splitting of tender quantity shall be done as per the ratios mentioned below: For three bidders 50%, 30% & 20%. For two bidders 60% & 40%. For single bidder 100%. (If no other bidder accepts counter offer) Splitting may be done with more than 3 bidders or at different percentage considering the bidders' monthly production capacity limitations /availability and distribution may be extended to other bidders considering their ranking. Splitting quantum may be limited considering the bidder's monthly/annual production capacity agreed by BHEL. In the event of capacity limitation, distribution of tendered quantity by splitting may be extended to other bidders, considering their capacity and ranking.	
11	Quantity mentioned against each item may vary. In such case, bidder shall be informed about the variation in quantity and subsequently bidder shall be asked to submit price impact if any in % of quoted price before opening of price bid.	
12	Tender shall be processed by E-Procurement Mode. (Pl refer Guidance to bidders enclosed). Please click this link to take you to the procurement site - https://bheleps.buyjunction.in, you will be required to log in with user code and password allotted to you. (contact mjunction) You may please contact m/s. Mjunction services ltd in case if you have not been activated on eps (enterprise procurement system) or if you have not received login user code/ password. Email at eps.customercare@mjunction.in, else call at 033-66106426/66106454/9163348104/9231027017 (10 am to 06 pm).	

13	In addition to BHEL evaluation of techno-commercial bids, Customer approval is required for acceptable of bids. Customer approved bidders will only be considered for further price evaluation.	
14	EVALUATION OF BIDS L-1 shall be arrived based on the total net cash outflow to BHEL (inclusive of all cost elements for the entire scope, taxes and duties). For Foreign bidders, following shall be considered a. Customs Duty - Pls note that the comparison of offers would be done as per the applicable Duty structure on the date of opening of Price Bid. b. Exchange Rate – For import bidders, the exchange rate on the date of technical bid opening, as per TT selling rate of SBI will be taken for evaluation. Additional loading for foreign Bidders i) Freight and Insurance from Chennai port upto Ennore project site ii) Customs incidental charges BHEL reserves the right to finalize the prices through Reverse Auction or sealed envelope bid opening and the same shall be intimated to Bidders after technical scrutiny of the offers. Information on Reverse Auction enclosed.	
15	VALIDITY OF THE OFFER: The quotation shall be valid at least for a period of 90 days from the date of technical bid opening / 60 days from the date of final reverse auction. Offer with lesser validity may not be considered	
16	DELIVERY SCHEDULE: - 4-6 months from LOI / PO date Delivery shall commence progressively. As delivery will affect our project requirements, kindly quote for the above delivery period only. Early delivery is acceptable. Bidder has to strictly confirm to the delivery terms. Bids not complying with the delivery period are liable for rejection.	
17	TERMS OF DELIVERY: - 1) Indigenous Bidders FOR ENNORE PROJECT Site basis: - Dispatch of items shall be made to Ennore project Site based on Delivery instructions by BHEL-PC.	
	2) Foreign Bidders CFR Chennai port basis: - Bidders quoting on CFR basis shall arrange for free container retention period of 21 days for clearance of cargo.	

18	GUARANTEE: Bidders shall guarantee the supplies for a period of 36 months from the date of dispatch of materials or 18 months from the date of their commissioning whichever is earlier. To this effect a Guarantee certificate should be sent along with the dispatch documents in the event an order is placed on you. Material shall be guaranteed against manufacturing defects or faulty workmanship for a period of 36 months from the date of receipt of pipes with coating at project site. Any defect noticed during this period shall be repaired/replaced free of cost, to the satisfaction of BHEL and the End User. No deviation in this regard shall be accepted. Pipe Bidder shall cover the guarantee for both pipe and coating. Pipe Bidder shall take necessary guarantee certificate of the coating from the coating manufacturer. PERFORMANCE BANK GUARANTEE Bank Guarantee for 2% of the PO value shall be submitted valid up to the end of guarantee period. (Mandatory clause for acceptance of bid. Else bid is liable for rejection)	
19	LD CLAUSE: - If the supplier fails to deliver the item within the period specified in the contract the purchaser shall deduct Liquidated Damages, a sum equivalent to 0.5% of the price for each week of delay up to a maximum of 10% of the price of delayed/undelivered portion. However, it may be noted that loading on quoted prices for LD shall be done to the extent to which the bidder is not agreed (for e.g. if Bidder agrees for LD max. of 6% then the remaining portion i.e. 4% shall be loaded on his quoted rates for evaluating the offer). For the purpose of LD, the delivery date will be reckoned as follows: 1. For Foreign/Imported Bidders: CFR basis: Date of Bill of Lading will be taken as delivery date. 2. For Indigenous sources: LR date will be taken as the delivery date.	
20	RISK PURCHASE Your confirmation to our standard risk purchase clause that alternatively the Purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute there for. The supplier shall be liable for any loss which the purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in LD above.	
21	TERMS OF PAYMENT: No advance payment shall be made by BHEL. For indigenous Bidders: 100% payment after 45 days after receipt of materials & Performance bank guarantee @ 2% of PO value valid until guarantee period: Payment shall be made against presentation of following documents to our Finance Department.	

	However, a copy of Invoice and LR shall be sent to Purchase department immediately after the dispatch is affected. - Commercial Invoice in triplicate - Delivery Challan in triplicate whichever is applicable - Guarantee certificate. - Lorry Way Bill (Original + Two copies) - Site Ack. Lorry Way Bill (Original + Two Copies) - Quality documents (as per approved QP/PO) - ED gate pass with a confirmation that the duplicate for transporter is sent with the goods. - Performance bank guarantee for 2% of PO value. Soft copy of Invoice and LR should be sent immediately after dispatch by e-mail. Hard copy should be sent subsequently at the earliest possible time. One original + two copies of Quality Documents, as called for in the quality plan/Purchase order shall be sent to Purchase / Piping centre BHEL Chennai immediately after the shipment / despatch of Items. All the quality documents are to be submitted in soft copy apart from the hard copy, as above.	
	For Foreign Bidders: 1) 100% through CAD (or) 2) 100 % LC at sight. It may be noted that loading for LC charges will be made @ 1.5% of quoted rates. Kindly choose one of the above given two options	
22	INTEGRITY PACT – Format being sent. Your bid will be considered only after signing and submitting the Integrity pact THIS TENDER WILL BE MONITORED BY INDEPENDENT EXTERNAL MONITOR (IEM). DETAILS OF IEM ARE AS GIVEN BELOW – Mrs. Pravin Tripathi, IA & AS (Retd.) pravin.tripathi@gmail.com D-243, Anupam Gardens, Lane IB, Neb Sarai, Sainik Farms, New Delhi – 110 068	
23	This is to bring in your attention that information regarding ‘Guidelines for Suspension of Business Dealings with Suppliers/ Contractors’ is now available on www.bhel.com on “supplier registration page”. Bidders are requested to go through these guidelines.	
24	The Bidder along with its associate/ collaborators/ sub-contractors/ sub-Bidders/ 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.	

25	Bidders who are not registered with BHEL PC Chennai, will have to submit the Supplier Registration Form (SRF) after successful completion of techno-commercial evaluation and after getting intimation from BHEL for the same. The Supplier Registration Form (SRF) duly filled will be assessed for manufacturing capability, quality systems being followed, organizational soundness and financial worthiness. The Online Application may be submitted through following link http://suppliers.bheltry.co.in/	
26	One agent cannot represent two or more suppliers or quote on their behalf in a particular tender. If so found at any stage, BHEL PC Chennai is likely to cancel Enquiries / POs to such suppliers. Further, such Indian Agent is likely to be de-listed (Black listed for business from BHEL)	
27	GENERAL: - i. The PO copy with all details will be given to successful bidders in soft mode also. ii. Acknowledgement for receipt of PO shall be sent within one week from the date of receipt. iii. BHEL reserves the right to cancel this tender without assigning any reasons what so ever. iv. Deviation taken after placement of order will not be accepted (Both technical as well as on delivery) v. Suppliers to analyze in detail, at the time of submission of offer with reference to our “delivery” requirement of item and confirm compliance. vi. Lowest prices received against BHEL tenders does not mean order will be placed on that Supplier. BHEL reserves the right not to consider the same. vii. BHEL reserves the right to negotiate or re-float the tender opened if L1 price /or other details are not acceptable to them viii. BHEL reserves the right to order on more than one Bidder at the lowest acceptable price to BHEL. ix. Any other terms or conditions mentioned in your offer other than the above mentioned formats will not be evaluated and will be considered null & void. Hence your offer shall contain ONLY the above mentioned formats. x. For verification of data submitted towards evaluation of bidder's capability, BHEL may decide to visit the bidder(s) works. Any fact found deviating from submitted data shall make the bidder liable to be disqualified. xi. In the event of newly approved vendor becoming the successful bidder, manufacturing process of first lot of Pipes from raw material stage to end product with coating shall be witnessed by BHEL inspection. Balance PO quantity can be taken up for manufacture only after inspection and clearance of the first lot by BHEL. BHEL reserves the right to cancel the order if the trial quantity is not meeting our requirement.	

Note: Please confirm your acceptance/other wise to all the points indicated above positively and submit this format duly filled, signed & stamped along with the technical bid.

BIDDERS SIGNATURE & SEAL