

TENDER DOCUMENTS TERMS & CONDITIONS - PROCUREMENT OF 'CW PIPES'
LIMITED TENDER

SL. NOs.	BHEL REQUIREMENT							AGREE/ DISAGREE																																					
1	SCOPE OF SUPPLY Manufacture and supply of below mentioned quantity of IS 3589 Pipes with external Painting and special internal Polyurethane coating for North Chennai Project 1X800 MW and to be delivered at North Chennai Project site.																																												
2	LIST OF ITEMS <table><tr><th>S no</th><th>Package</th><th>Weight in MT</th><th>MATL CODE</th><th>PGMA DU No.</th><th>Pipe Desc.</th><th>D1</th><th>Qty in metres</th></tr><tr><td>1</td><td rowspan="4">A</td><td>71.592</td><td>159387400001</td><td>P7311180468001</td><td>PIPE OD-3840X20-IS3589-410MPA</td><td>3800</td><td>38</td></tr><tr><td>2</td><td>28.26</td><td>159387400001</td><td>P7311180468002</td><td>PIPE OD-3840X20-IS3589-410MPA</td><td>3800</td><td>15</td></tr><tr><td>3</td><td>71.592</td><td>159387400001</td><td>P7311180468003</td><td>PIPE OD-3840X20-IS3589-410MPA</td><td>3800</td><td>38</td></tr><tr><td>4</td><td>45.216</td><td>159387400001</td><td>P7311180468004</td><td>PIPE OD-3840X20-IS3589-410MPA</td><td>3800</td><td>24</td></tr></table> <u>TECHNICAL REQUIREMENTS</u> <u>A) PIPE REQUIREMENT</u> Pipe shall confirm to IS 3589 specification meeting the requirements as per BHEL Drawing 3-80-468-33794 REV. 00 and Technical Delivery Condition TDC: TDG:07 Rev. 06 . All are Underground pipes. Deviation if any shall be clearly indicated in a separate sheet. UNDISCLOSED DEVIATIONS ARE NOT ACCEPTABLE. Edge preparation (beveling) shall be done as per Drawing No. 4-80-468-80834 & Spider arrangement shall be done as per Drawing 4-80-999-93078 sent along with the enquiry. For Coating near Bevel ends BHEL drg 4-80-468-80717 shall be followed. The Length of each Pipe shall be 7 to 12.5 Meters however meeting the exact Quantity against each DU as given in the table above, in line with 3-80-468-33794 REV. 00 Total Quantity Tolerance shall be +100 mm /- 0 per sl no as listed in the table above. <u>B) COATING REQUIREMENT</u> Painting Scheme Reference for North Chennai QP no: 7311: QPC:12 Rev. 01 dt 06.07.2017– Sl.no. 1 & 2 .							S no	Package	Weight in MT	MATL CODE	PGMA DU No.	Pipe Desc.	D1	Qty in metres	1	A	71.592	159387400001	P7311180468001	PIPE OD-3840X20-IS3589-410MPA	3800	38	2	28.26	159387400001	P7311180468002	PIPE OD-3840X20-IS3589-410MPA	3800	15	3	71.592	159387400001	P7311180468003	PIPE OD-3840X20-IS3589-410MPA	3800	38	4	45.216	159387400001	P7311180468004	PIPE OD-3840X20-IS3589-410MPA	3800	24	
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Given below Painting/Coating are applicable for North Chennai Project

A.External Painting

Red Oxide Zinc Phosphate (Alkyd Base to IS 12744) - 1 x 30 Microns

B.Internal Painting

Poly urethane Coating dry film thickness - 2000 microns

Acceptance to coat inside surface of pipes with PU Coating as per Specification **PC: E: PU:001 Rev. 01** Dt.07.12.09.

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

1. M/s AMCHEM PRODUCTS LIMITED
2. M/s CIPY POLYURETHANES PVT LTD
3. M/s 3M COATING

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

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.

Criteria that will be considered for acceptance of Poly Urethane Coating vendor cum applicator.

1. Coating Vendor shall be a manufacturer of polyurethane coating. They are also responsible for the application of the coating on the internal surface of the Pipes covered in this tender. Factory license and or any other relevant documents to substantiate proof of manufacturing polyurethane coating shall be enclosed.
2. Coating Vendor shall have proven track record for having coated polyurethane coating for similar pipe sizes mentioned in this tender 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 (IIT/ICT preferably) towards the below indicated type tests meeting values as indicated in Engg specification **PC: E: PU:001 Rev. 01 Dt.07.12.09.**
 - a) Water Vapour Permeability - ASTM-E-96 / F-1249-90
 - 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. Pipe Supplier shall have a tie-up with the Coating vendor and the name shall be indicated in the bid. Responsibility for supplying the coated pipes to Project site shall rest with the Pipe vendor.	
3	QUALITY PLAN After placement of Purchase order vendor shall submit (a) Quality plan for Manufacturing of IS 3589 pipes meeting the requirements of TDC- TDG:07 Rev. 06, and the agreed tender requirements (b) Procedure and QAP for Internal Coating of pipe by Coating Vendor. for review/approval immediately. Manufacturing shall commence subjected to approval of above QPs by BHEL.	
4	INSPECTION 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.	
5	TESTING AND TEST CERTIFICATES NDE TESTING 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. ☐	

	Test certificates as called for in the TDC 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 of the all the test certificates shall also be submitted through email and CD format. Year of Code for the standards shall be latest and the specific year is to be mentioned in the Manufacturer's test certificates.	
6	<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 'Terms and Conditions' format which contains Commercial & Technical requirements along with BHEL TDC: TDG: 07: 06, Painting scheme, Edge preparation Drawings & Spider arrangement drawings. 2. Copy of Unpriced bid (without price) The above documents form part of this tender document and bidder shall ensure that they have received all these along with tender and confirm.	
7	PART II <u>PRICE PART :</u> Bidders should accept ordering based on competitive price for items put together as a package as mentioned in list of items given above. Ordering will be made on package-wise L1 basis ONLY. Bidders are requested not to quote for part of the package. Otherwise, their bid against the package is liable for rejection. Quantity mentioned against each item may vary. In such case, bidder shall be asked to submit price impact in % before opening of price bid. The unit price shall be quoted on FOR Project site basis (BASE PRICE and other components strictly as per price bid template attached) The price shall include all testing, inspection, packing & Forwarding 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 Meter of bare pipe including Edge Preparation and providing Spider Arrangement and Testing and Packing and Forwarding. b.Painting 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, GST on freight and transit insurance charges to be quoted extra. Ordering shall be on Free on Road, FOR –Project Site.	
8	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.customer@mjunction.in, else call at 033-66106426/66106454/9163348104/9231027017 (10 am to 06 pm).	
9	EVALUATION OF BIDS L-1 shall be arrived on package-wise L-1 basis, i.e, based on the total net cash outflow to BHEL (inclusive of all cost elements for the entire scope, taxes and duties). Price Comparison shall be made by considering the Exchange rates (SBI TT Selling rate) as on Technical bid opening date. 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.	
10	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	
11	DELIVERY SCHEDULE: - 3 months from LOI / PO date Delivery shall commence progressively from the first week of 3rd month. As delivery will affect our project requirements, kindly quote for the above delivery period only. Bidder has to strictly confirm to the delivery terms. Bids not complying with the delivery period are liable for rejection.	
12	TERMS OF DELIVERY: - FOR NORTH CHENNAI PROJECT Site basis: - Dispatch of items shall be made to project Site based on Delivery instructions by BHEL-PC.	
13	GUARANTEE: Bidders shall guarantee the supplies for a period of 60 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 60 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 10% of the PO value shall be submitted valid up to the end of guarantee period.	
14	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, LR date will be taken as the delivery date.	
15	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.	
16	TERMS OF PAYMENT: No advance payment shall be made by BHEL. 100% payment after 45 days after receipt of materials & Performance bank guarantee @ 10% 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 indicated below)	

	g) ED gate pass with a confirmation that the duplicate for transporter is sent with the goods. h) Performance bank guarantee for 10% 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 listed below shall be sent to Purchase / Piping centre BHEL Chennai immediately after the shipment / despatch of Items. 1) BHEL / BHEL authorised Third Party Inspection Agency Report 2) Works TC 3) Hydro Test Report (as applicable) 4) NDE reports (as applicable) 5) Dimensional report 6) Mechanical, Chemical Analysis and other Lab test reports 7) Confirmation report to BHEL Specification. 8) Basic raw material (Mill) TC 9) Other documents as per TDC / approved QP/IS 3589/other Specifications. All the above documents are to be submitted in soft copy (CD format) apart from the hard copy, as above.	
18	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.	
19	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.	
20	GENERAL: - 1. The PO copy with all details will be given to successful bidders in soft mode also. 2. Order will be placed on package-wise L1 basis ONLY 3. Acknowledgement for receipt of PO shall be sent within one week from the date of receipt. 4. BHEL reserves the right to cancel this tender without assigning any reasons what so ever. 5. Deviation taken after placement of order will not be accepted (Both technical & on delivery) 6. Suppliers to analyze in detail, at the time of submission of offer with reference to our “delivery” requirement of item and confirm compliance. 7. 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. 8. BHEL reserves the right to negotiate or re-float the tender opened if L1 price /or other details are not acceptable to them 9. BHEL reserves the right to order on more than one Bidder at the lowest acceptable price to BHEL. 10. 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.	

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