



Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)

Piping Centre, 80, G. N. Chetty Road, CHENNAI – 600 017
Phone : 91 (044) 28161965, e-mail: poongkodi@bhel.in

REF: ENQ NO:4011900011

DT: 22.11.2019

Sub: Request For Quotation (RFQ) for supply of ASME SA672/ASTM A672 & ASME SA691/ASTM A691 for MAITREE Project - reg.

Ref: Enquiry No: 4011900011 dt 22.11.2019

BHEL/Piping Centre invites RFQ's for supply of ASME SA672/ASTM A672 & ASME SA691/ASTM A691 pipes to spec SA672GRB70CL22 and SA691-2 1/4 CR CL22 respectively. The offers should be submitted in the E-procurement portal. The offer will be opened at **14.30 hrs** on the **due date 07.12.2019**. Late tenders are liable to be rejected. Please find the following documents enclosed for you to submit offer in two parts

1. Tender documents – Pre-Qualification Requirement (PQR) with all supporting documents and Techno Commercial Terms and Conditions (T&C)
2. Tech. delivery condition for SA672 pipes TDG: 08: Rev 03 Dt. 03.10.2005
3. Tech. delivery condition for SA691 pipes TDG: 09: Rev 03 Dt. 27.04.2012
4. Unpriced bid Format
5. Price bid Format in e-procurement portal
6. Information on Reverse Auction
7. Cancellation / Termination of contract, Default / Breach of contract and Risk Purchase
8. Make in India Format
9. Third Party Inspection Agencies approved by Customer for Maitree for 3.2 Certification
10. Latest ASME Authorized agency for 3.2 Certification

Please indicate enquiry no and date and due date in all correspondences. This is only a request for quotation and not an order.

All supporting documents called for in PQR and T&C should be enclosed in Part-I of the tender.

Ms. Poongkodi.V
Senior Engineer / Purchase
BHEL, Piping Centre
80, G.N.Road, T.Nagar, Chennai –600 017
Phone – 044-28161965. Email: poongkodi@bhel.in

For any clarifications on the Enquiry you may also contact
Ms. Priya Balaji / MPL, Purchase & Stores Co-ordination Phone –044-28161244
Email: pb@bhel.in

SI No.	PQR Description	Documents to be submitted	Bidder Compliance with supporting documents (YES / NO)	Remarks
1	Bidder shall be manufacturer OR authorized agent of the manufacturer. In case of agent, such agent shall not represent two manufacturers quoting for this tender.	1. Company Catalogue 2. Any Proof Certificate for being a manufacturer or Fabricator viz Certificate of Registration / Factory license etc 3. In case of Agent, authorization letter from Manufacturer / Fabricator (Bids from traders/stockists are not acceptable.)		
2	Bidder shall have necessary manufacturing facilities and adequate personnel to manufacture the tendered items.	Manufacturing – details of forming/bending, welding, hydro testing and other testing facilities shall be furnished.		
3	Bidder shall have necessary heat treatment facility, in-house or outsourced.	1. Valid furnace calibration certificate. 2. Please indicate if HT is done in-house or outsourced.		
4	Bidder should have experience in manufacturing ASME SA672/ASTM A672 Pipes of class X2 for Enq Sl.Nos. 10 to 50 and ASME SA691/ASTM A691 Pipes of class X2 for Enq Sl.No. 60 and shall be evaluated as applicable. Bidders having supply experience for ASME SA691/ASTM A691 Pipes of class X2 shall be qualified for all items in the enquiry. No separate experience for supply of ASME SA672/ASTM A672 Pipes of class X2 is required. Min size of execution shall be OD 457mm or more. Supply experience being furnished shall not be prior to 3 years from the date of the Enquiry.	1. Copy of PO, MTC's & invoice / Supply completion certificate copies containing Customer Name, Size & Quantity, Month and year of their supplies shall be furnished. 2. In case of Foreign bidder, supporting MTC's to experience cited shall be witnessed / reviewed by any reputed Third Party Inspection agency like Lloyds, BV, TUV etc. In lieu of the above, proof of at least one export supply made (outside domestic market preferably Europe or USA or India) shall be furnished.		
5	Bidder must have valid ISO 9001:2015 certification.	Copy of ISO 9001 certificate		
6	Firm should have made a turnover of at least Rs. 13 lakhs for anyone of last 3 audited Financial Year (FY 2018-19, 2017-18 or 2016-17). In case of foreign bidder, financial turnover shall be an equivalent of Rs. 13 lakhs in their regional currency. For foreign bidder, exchange rate as on the date of Part I opening will be considered for arriving equivalent turn over in INR.	1. Indigenous bidders shall submit audited Company Financial statement- Balance Sheet and P&L statement for anyone of the past 3 years (FY 2018-19, 2017-18 or 2016-17) meeting financial turnover criteria. In addition to the above, bidder to furnish Balance Sheet and P&L statement for FY2018-19. 2. In case of foreign bidder, credit rating report issued by D&B / Creditre form will be accepted in place of the above.		

SI No	BHEL requirement	Bidder's Response	Remarks																																			
A	Quotation no																																					
B	Quotation date																																					
C	Mill name (if applicable)																																					
D	Applicable GST % shall be indicated																																					
1	SCOPE OF SUPPLY Manufacture and supply of below mentioned quantity of ASME SA672/ASTM A672 & ASME SA691/ASTM A691 Pipes of material spec SA672GRB70CL22 and SA691-2 1/4 CR CL22 respectively with coating for Maitree Project and to be delivered at Ward 85 BHEL Tirumayam stores.																																					
2	LIST OF ITEMS <table><tr><th>Sl.No</th><th>Material Code</th><th>Material Description</th><th>Qty in meters</th><th>Weight in MT</th></tr><tr><td>10</td><td>159385170000</td><td>PIPE DIA 559.0 X 10.0 SA672GRB70CL22</td><td>24</td><td>3.25</td></tr><tr><td>20</td><td>159385180000</td><td>PIPE DIA 610.0 X 10.0 SA672GRB70CL22</td><td>12</td><td>1.78</td></tr><tr><td>30</td><td>159385190000</td><td>PIPE DIA 660.0 X 10.0 SA672GRB70CL22</td><td>108</td><td>17.31</td></tr><tr><td>40</td><td>159385220000</td><td>PIPE DIA 813.0 X 10.0 SA672GRB70CL22</td><td>48</td><td>9.50</td></tr><tr><td>50</td><td>159387240001</td><td>PIPE DIA 965.0 X 10.0 SA672GRB70CL22</td><td>18</td><td>4.24</td></tr><tr><td>60</td><td>159387200000</td><td>PIPE OD 1118X28 SA691-2 1/4 CR CL22</td><td>26</td><td>19.58</td></tr></table> For all these items, ☑ Successful bidder shall submit their manufacturing QP for BHEL / Customer approval. ☑ Supply of SA672 pipes shall be in random length of 10 to 12m and SA691 pipes shall be specific to 6.5m	Sl.No	Material Code	Material Description	Qty in meters	Weight in MT	10	159385170000	PIPE DIA 559.0 X 10.0 SA672GRB70CL22	24	3.25	20	159385180000	PIPE DIA 610.0 X 10.0 SA672GRB70CL22	12	1.78	30	159385190000	PIPE DIA 660.0 X 10.0 SA672GRB70CL22	108	17.31	40	159385220000	PIPE DIA 813.0 X 10.0 SA672GRB70CL22	48	9.50	50	159387240001	PIPE DIA 965.0 X 10.0 SA672GRB70CL22	18	4.24	60	159387200000	PIPE OD 1118X28 SA691-2 1/4 CR CL22	26	19.58		
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3A	TECHNICAL REQUIREMENTS PIPE REQUIREMENT i) Pipe shall confirm to ASME SA672/ASTM A672 & ASME SA691/ASTM A691 CL 22 specification meeting the requirements as per our Technical Delivery Condition TDC: TDG:08 Rev 03 and TDC: TDG:09 Rev 03. ii) In addition to the TDG requirements, finished items shall be inspected at supplier's works and certified as per BS EN 10204 Type 3.2 by any ASME Authorised Inspection Agency or their subsidiaries. List of agencies enclosed. Bidder shall mention the agency through which BS EN 10204 Type 3.2 shall be carried out. iii) WPS/PQR to be submitted iv) Bidder shall submit detailed process flow chart from raw material stage including manufacturing of pipe, Edge Preparation, coating & testing v) Deviation if any shall be clearly indicated in a separate sheet and acceptance to the deviations, subjected to BHEL approval. UNDISCLOSED DEVIATIONS ARE NOT ACCEPTABLE. Bidders shall clearly indicate their acceptance to the TDC and other requirements.																																					
3B	TECHNICAL REQUIREMENTS COATING REQUIREMENT Pipe shall be coated with resin type rust preventive coating with visibility to stenciled details. Thick Black Coating which camouflages surface of the pipes is not permitted.																																					
4	QUALITY PLAN Along with the Part-1 bid, bidder shall furnish typical quality plan being used by them earlier for supply of welded pipes similar to the tendered items (QP used / approved by any other well-known customer preferred) After placement of Purchase order vendor shall submit quality plan for Manufacturing of ASME SA672/ASTM A672 & ASME SA691/ASTM A691 pipes meeting the requirements of TDC: TDG:08 Rev 03 and TDC: TDG:09 Rev 03 for review/approval immediately. Manufacturing shall commence subjected to approval of QP by BHEL/Customer.																																					
5	INSPECTION Indigenous bidders Inspection shall be done by BHEL/ BHEL approved third Party inspection agency/ Customer if any. 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 bidders Inspection shall be through renowned agencies such as TUV, Lloyds, SGS, BV etc. 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. 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 7 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.																																					

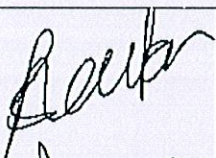
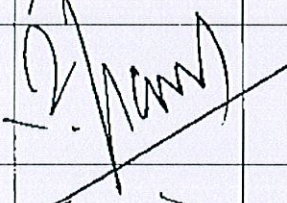
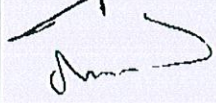
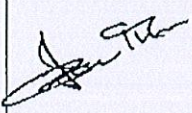
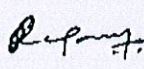
SI No	BHEL requirement	Bidder's Response	Remarks
6	<u>TESTING AND TEST CERTIFICATES</u> NDE TESTING SHALL BE DONE as mentioned in TDC: TDG:08 Rev 03 and TDC: TDG:09 Rev 03 and ASME/ASTM Specification. All the pipes shall be hydrostatically and radiographically tested as per TDG / Engg specification / PO / ASME/ASTM Specification. 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. (foreign bidders) 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. Year of Code for the standards shall be latest and the specific year is to be mentioned in the Manufacturer's test certificates.		
7	<u>Two-part bid :</u> <u>Part-I TECHNICAL - CUM – COMMERCIAL PART (Un-priced):-</u> This part of the bid shall contain following technical and commercial points only (except price portion) 1. Bidder to submit duly filled and signed 'Pre-Qualification Criteria' along with all supporting documents. 2. Duly filled, signed and stamped our 'Terms and Conditions' format which contains Commercial & Technical requirements along with BHEL TDC: TDG:08 Rev 03 and TDC: TDG:09 Rev 03 3. Copy of Unpriced bid (without price) clearly indicating quoted/not quoted against each package. The above documents form part of this tender document and bidder shall ensure that they have received all these along with tender and confirm.		
8A	<u>PART II PRICE PART:</u> <u>Bidders to note that evaluation of the bid and ordering will be on individual line item L1 basis only.</u> <u>INDIGENOUS BIDDERS</u> The unit price shall be quoted on FOR Ward 85 BHEL Tirumayam stores basis (BASE PRICE and other components strictly as per price bid template attached) The price shall include all testing, inspection, packing & Forwarding charges. PLEASE DO NOT QUOTE ON EX–WORKS BASIS. Price quoted by the Bidder 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 Testing, Packing and Forwarding. b. Percentage of applicable GST shall be clearly indicated. c. Freight, GST on freight and transit insurance charges to be quoted extra. Ordering shall be on Free on Road, FOR –Ward 85 BHEL Tirumayam stores.		

SI No	BHEL requirement	Bidder's Response	Remarks
8B	<u>PART II PRICE PART:</u> <u>Bidders to note that evaluation of the bid and ordering will be on individual line item L1 basis only.</u> <u>FOREIGN BIDDERS</u> The unit price shall be quoted on CFR Chennai port basis. Tender shall be evaluated for price competitiveness on FOR Ward 85 BHEL Tirumayam stores (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 & Forwarding charges. PLEASE DO NOT QUOTE ON EX-WORKS BASIS. Price quoted by the Bidder 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 Testing, Packing and Forwarding. b. Freight charges should be quoted extra. Ordering shall be on be CFR – Chennai Port basis. c. 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. d. 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 up to Ward 85 BHEL Tirumayam stores site ii) Customs incidental charges		
9	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.		
10	Tender shall be processed by E-Procurement Mode For E – Procurement , Please click this link to take you to the procurement site - https://bhel.abcprocure.com, you will be required to log in with user code and password allotted to you. (contact Abcprocure @ https://bhel.abcprocure.com/EPROC/contactus)		
11	<u>EVALUATION OF BIDS</u> Price Bids of only the PQR and Techno-commercially qualified bidders (Customer approved) will only be opened. L-1 shall be arrived based on the total net cash outflow to BHEL, 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. In case of RA, Ranking of bidders shall be reckoned based on the final rates quoted by individual bidders at the end of Reverse Auction which includes both online sealed bid and dynamic bidding. Elimination of H1 will happen after Online sealed bid of RA.		
12	<u>TERMS OF DELIVERY</u> 1) Indigenous Bidders FOR Ward 85 BHEL Tirumayam stores basis: - Dispatch of items shall be made to Ward 85 BHEL Tirumayam stores 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.		
13	<u>DELIVERY SCHEDULE:- 4 months</u> from LOI / PO date Supplies are to be completed within 4 months from LOI/PO date. 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.		

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14	<u>LD CLAUSE: -</u> If the bidder 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. 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.		
15	<u>LD Calculation & Loading:</u> LD will be calculated for the number of days delayed from the PO delivery date. % LD per day and LD value calculation is indicated below- • No of days delayed = LR date - PO delivery date • % LD per day = (No of days delayed) * (0.5 / 7) * contractual LD agreed [% LD will be rounded to nearest two decimals] • LD value = % LD calculated above * Value of the delayed supply If deviating with respect to BHEL's standard LD clause, loading will be applicable to the extent to which the bidder has not agreed (for eg. if bidder agrees for maximum LD of 6%, then the remaining portion ie. 4% shall be loaded on the quoted rate during price evaluating of the offer).		
16	<u>VALIDITY OF THE OFFER:</u> 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 reverse auction. Offer with lesser validity may not be considered.		
17	<u>GUARANTEE:</u> Bidders shall guarantee the supplies for a period of 24 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. 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.		
18	<u>CANCELLATION / TERMINATION OF CONTRACT, DEFAULT / BREACH OF CONTRACT AND RISK PURCHASE:</u> By Submitting the bid, Bidder explicitly accepts to BHEL's requirement, as per Standard Risk and Cost clause document Enclosed herewith.		
19A	<u>TERMS OF PAYMENT:</u> No advance payment shall be made by BHEL. For Indigenous Bidders: 100% payment after 60 days after receipt of materials 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. a) Commercial Invoice in triplicate b) Delivery Challan in triplicate whichever is applicable c) Guarantee certificate. d) Lorry Way Bill (Original + Two copies) e) Quality documents (as indicated below) Soft copy of Invoice and LR should be sent immediately after dispatch by e-mail to Purchase. Hard copy should be sent subsequently within two weeks. Payment shall be processed only after receipt of site acknowledgement. However preference in payment shall be given to MSE bidders as per BHEL guidelines and MSMED Act 2006.		

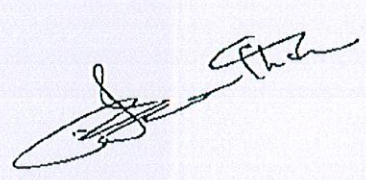
SI No	BHEL requirement	Bidder's Response	Remarks
19B	TERMS OF PAYMENT: No advance payment shall be made by BHEL. For Foreign Bidders: 1) 100% through CAD after 60 days from the date of receipt of documents at BHEL bank. Respective bank charges to respective account. (or) 2) 100 % Usance LC with 60 days credit, the loading will be considered @ 1.5% on the offered Value. Due date for payment will be considered from the date of receipt and acceptance of documents at BHEL bank. LC validity period will be 90 days and for any extension, applicable charges will be to supplier's account. Payment shall be made against presentation of following documents. a) Commercial Invoice b) Packing List c) Country of Origin d) Bill of Lading e) Quality documents (as per approved QP/PO) a) Site Ack. Lorry Way Bill However payment shall be made only after receipt of site acknowledgement LRs. LC will be opened one month prior to material readiness. Hence supplier shall intimate the material readiness accordingly for opening of LC. Kindly choose one of the above given two options (1) or (2)		
20	QUALITY DOCUMENTS 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) Manufacturing 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) Basic raw material (Mill) TC 8) Other documents as per TDC / approved QP/ ASME SA672/ASTM A672 & ASME SA691/ASTM A691 9) BS EN 10204 Type 3.2 certificate All the above documents are to be submitted in soft copy apart from the hard copy, as above.		
21	PURCHASE PREFERENCE FOR MAKE IN INDIA - For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO / WO against this NIT. - In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and / or local content in respect of this procurement, same shall be applicable. Document certifying local content and penal action in case of wrong declaration by suppliers. - The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification on their letter head certified by the authorized signatory of the bidder that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made. - In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. - False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law. - A supplier who has been debarred by any procuring entity for violation of the provisions of the Public Procurement (Preference to Make in India), Order 2017 shall not be eligible for preference for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, the debarment takes effect prospectively from the date of uploading on the website(s) of The Department of Expenditure, GOI in such a manner that ongoing procurements are not disrupted. - The onus of submission of appropriately certified documents lies with the bidder and BHEL shall not have any liability to verify the contents and will not be responsible for the same. However, in case BHEL has any reason to doubt the authenticity of the Local Content, BHEL reserves the right to obtain the complete back up calculations before award of contract failing which the bid shall be rejected.		

SI No	BHEL requirement	Bidder's Response	Remarks
22	<u>PURCHASE PREFERENCE FOR MSE SUPPLIERS</u> o Purchase preference for local MSE's quoting in the tender has been increased from 20% to 25%. o Within the 25% reservation for local MSE's, 3% reservation will be applicable for women owned MSE's and 6.25% reservation will be applicable for MSE's owned by SC / ST. o If the quantity is not-divisible, L1 rate shall be counter offered to eligible MSE supplier who fall within price band of L1 + 15%. On acceptance, entire quantity shall be ordered on MSE supplier. Document to be submitted as proof of MSE. MSE suppliers can avail the intended benefits only if they submit along with the offer, attested / notarized copies (by a Gazetted officer) of anyone of the following documents along with copy of UAM certificate- • Valid EM II certificate having deemed validity (5 years from the date of issue of acknowledgement in EM II). • Valid NSIC certificate. • Copy of CA certificate (in BHEL's standard format) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of Two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for the Enquiry if any deficiency in the above required documents are not submitted before price bid opening. However, credentials of all MSE suppliers will be verified before considering the intended benefits for MSE suppliers at the time of tender evaluation.		
23	<u>SUSPENSION OF BUSINESS DEALING:</u> In order to protect the commercial interests of BHEL, it becomes necessary to take action against suppliers / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business / money / reputation, indulge in malpractices, cheating, bribery, fraud or any other misconduct or formation of cartels so as to influence the bidding process or influence the price etc. Suspension of Business Dealings could be in the form of "Hold" or "Banning" a supplier / contractor or a bidder or an applicant for registration as a registered supplier. For this purpose, the abridged version of guidelines hoisted at website http://www.bhel.com/vender_registration/vender.php (Suspension of business dealings with suppliers / contractors dt 22.07.2016) is being followed across all BHEL units. Vendors shall keep themselves aware of these guidelines before submission of their bid.		
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	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)		
26	<u>GENERAL: -</u> 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. Bids not accepting to above conditions will be liable for rejection. xi. 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. xii. 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.		

	BHARAT HEAVY ELECTRICALS LIMITED PIPING CENTRE, CHENNAI – 600 017.			
Title :	Technical Delivery Conditions for plate formed pipes to ASME SA 672.			
Specification No:	TDG : 08 Rev : 03			
Project :	ALL PROJECTS			
Material :	ASME SA 515			
Equipment :	Pipes.			
Accepted By:- Engineering				
Materials Management				
OP & C				
Rev : NO:-	03	04	05	06
Date :-	03. 10.2005			
Prepared / Revised by				
Reviewed / Approved by				
Issued by Piping Centre / Quality Assurance				Page 1 of 5

TECHNICAL DELIVERY CONDITION FOR PLATE FORMED : TDG:08:03
PIPES TO ASME SA 672 : 03/10/2005

REV NO	REVISED CLAUSE	DESCRIPTION
2	6.1	Heat Treatment as per specification added.
2	---	Other clauses Re- worded for better clarity.
3	4.1 Modified	Cirseam weld included



TECHNICAL DELIVERY CONDITION FOR PLATE FORMED : TDG:08:03
PIPES TO ASME SA 672 : 03/10/2005

1.0 **SCOPE**

- 1.1 This technical delivery condition specifies the additional requirements for the delivery of Electric Fusion Welded pipes conforming to ASME SA 672
- 1.2 The grades covered are B60, B65 and B70
- 1.3 The class of the pipes shall be C1.22 (Stress Relieved condition).
- 1.4 These pipes are intended for power piping services at stress levels and temperature allowed by ASME B31.1 and IBR.
- 1.5 The pipes shall conform to size, grade and quantity as specified in the enquiry/purchase order.

2.0 **APPLICABLE CODES AND PROCEDURES**

- 2.1 The pipes shall also conform to INDIAN BOILER REGULATIONS, 1950.
- 2.2 All welders, welding procedures shall be qualified as per ASME Section IX, and IBR.
- 2.3 Non-Destructive Examination procedures shall be as per ASME Section V.

3.0 **MATERIAL**

- 3.1 The chemical composition of the steel plates shall be as per ASME SA 515 Gr.60 for B60, Gr.65 for B65 and Gr.70 for B70 except that the carbon percentage shall be limited to 0.25% irrespective of plate thickness.
- 3.2 The steel shall be of fully killed plain carbon steel.
- 3.3 The plate shall be in control rolled or normalised condition. The heat treatment condition of the plate shall be recorded in the Test Certificate.

4.0 **WELDING**

- 4.1 The joints which includes longitudinal and circumferential welds shall be full penetration welds made in accordance with the qualified procedures as per ASME Section IX. Longitudinal seams on adjacent pipe shell shall be offset by at least 90 deg.
- 4.2 One production test coupon per size/per melt shall be made for every 60 meters as per Chapter IX of IBR.

5.0 **NON-DESTRUCTIVE EXAMINATION**

- 5.1 All the plates used for the manufacture of pipe shall be ultrasonically tested. UT testing shall be done as per A435 and acceptance standard shall be as per A-578 Level-B.
- 5.2 The full length of each weld shall be radiographically examined in accordance with ASME SA 672 and accepted as per ASME Section VIII - paragraph UW-51.

TECHNICAL DELIVERY CONDITION FOR PLATE FORMED : TDG:08:03
PIPES TO ASME SA 672 : 03/10/2005

5.3 Weld repairs shall be carried out as per ASME SA 672 and accepted as per ASME Section VIII.

5.4 When two long seam pipes are joined to make the required length, the long seams shall be at least 90deg apart from each other. 100% RT shall be carried out on the circumferential and "T" joint.

6.0 **HEAT TREATMENT**

6.1 All the pipes shall be heat treated as per SA 672 specification.

7.0 **MECHANICAL TESTS**

7.1 Wherever applicable, the plate shall be subjected to tensile test at 350deg C and a bend test as per IBR.

7.2 Mechanical and metallurgical test shall be carried out as per Chapter XII of IBR on each welded test plate. The tests to be conducted are listed below:

<u>Type of test</u>	<u>No. of tests</u>	<u>Reference Standard</u>
a) Tension test for weld seam	1	ASME Section IX-QW-422
b) All weld metal tension test	1	IBR Reg.259
c) Guided bend test (Face & Root)	2 each	ASME Sec.IX-QW-462 (a)
d) Macro & Micro structure test	1 each	IBR & ASME Sec.IX
e) Impact test Charpy-V	1 set	ASTM A370 Type-A

7.3 One test plate may represent a lot of pipes up to 60 meters in length.(also refer 4.2above) Test plate shall be of the same grade of material, same melt, and same thickness of the pipe and shall be subjected the same heat treatment of the pipe.

8.0 **HYDRAULIC PRESSURE TEST**

8.1 Each length of pipe shall be subjected to a hydraulic test pressure as per ASME SA530, but in no case the test pressure shall be less than 1.5 times the design pressure or the HTP value indicated in the purchase order.

9.0 **DIMENSIONAL TOLERANCES**

9.1 The tolerance on length, outside diameter, out of roundness, wall thickness and weight shall be as per ASME SA 672.

9.2 Dimensional report supported with the necessary sketch/details shall be included in Test Certificate.

10.0 WORKMANSHIP

- 10.1 All pipes shall have smooth surfaces, free from loose scales and defects like laps, seams, folds, cracks, pitting etc. The surface imperfection beyond the permissible limit of ASME SA 672 shall be removed mechanically without affecting the minimum thickness and workmanlike finish. All pipes shall be coated with resin type translucent rust preventive or rust inhibitor on the inside and outside.

11.0 COLOUR CODE:-

- 11.1 Each pipe shall be colour coded longitudinally.
SA 672 B60 Cl.22 - Red & White
SA 672 B65 Cl.22 - Red & Blue
SA 672 B70 Cl.22 - Red & Aluminum

12.0 MARKING AND PACKING

- 12.1 P.O.No, SIZE, LENGTH, QTY, SPECIFICATION, GRADE, MELT/HEAT No, MAKER'S MARK AND INSPECTOR SEAL shall be hard punched and paint stenciled on the pipe 100mm away from both ends. All pipes shall be sent as loose with proper sling marks and end stiffeners .

13.0 CERTIFICATES

- 13.1 Three original test certificates typed in English shall be given along with the pipes.
- 13.2 The pipes must be delivered along with test certificates legibly written in English.
- 13.3 The test certificates shall furnish the following details:
- a. Purchase Order Reference.
 - b. Test Certificate Number.
 - c. Specification, grade, size and dimension.
 - d. Steel making process of the plate .
 - e. Heat number of the plate.
 - f. Ladle analysis of plate.
 - g. Heat treated condition of plate.
 - h. Mechanical test results of the plate.
 - i. Mechanical and metallurgical test results of the weld test coupons.
 - j. Radiography test reports with acceptance standard.
 - k. Heat treated condition of pipe.
 - l. Hydraulic test pressure results.
 - m. Ultrasonic test results with acceptance standard.
- 13.4 All the plates and pipes must be inspected at the mills and the test certificates in IBR Form IV and IIIA shall be countersigned by an inspecting authority recognised under Appendix-C of IBR.
- 13.5 The pipes shall be subjected to inspection by authorities nominated by BHEL and the test certificate shall be countersigned by them.

1.0 CODES

The pipes shall be manufactured & supplied as per ASME SA691 meeting Indian Boiler regulations (IBR) requirements. The following requirements shall also be taken care.

2.0 RAW MATERIAL : Plate used shall conform to SA691 requirements.

3.0 WELDING : The joints shall have full penetration welds. The welder & welding procedure shall be Qualified as per ASME Sec.IX & IBR.

4.0 HEAT TREATMENT : All Pipes shall be heat treated as per SA691.

5.0 NON DESTRUCTIVE EXAMINATION

5.1 ULTRASONIC TEST: All plates used shall be ultrasonically tested to ASME SA578 and Accepted as per Level-A of SA578.

5.2 RADIOGRAPHY TEST: All welds shall be radiographically examined as per ASME Sec V and accepted as per UW 51 of ASME Sec VIII.

5.3 HYDROSTATIC TEST: Every pipe shall be hydrostatically tested at the pressure specified in the purchase Order.

6.0 PRODUCT ANALYSIS: Product Analysis of Plate and Weld shall be carried out as per SA691.

7.0 MECHANICAL TESTS

7.1 (a) Transverse Tension test and (b) Guided Bend test for weld seams shall be conducted as per SA691.

7.2 (a) All Weld metal tension test (refer IBR reg.259 Fig.19), (b) Impact test and (c) Micro & Macro structure test shall be conducted meeting IBR requirements.

7.3 Test samples shall be chosen meeting material specification / IBR requirements.

7.4 Any other test as called for in the latest revision of SA691 & IBR shall also be conducted.

8.0 DIMENSIONAL TOLERANCE

The dimensional tolerances of the pipe shall be as per SA691. Dimensional report shall be furnished.

9.0 WORKMANSHIP

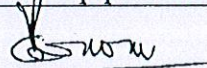
All pipes shall be free from loose scales and defects like cracks, pitting etc and shall meet the requirements of ASME SA691.

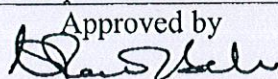
10.0 MARKING, PAINTING & EDGE PREPARATION

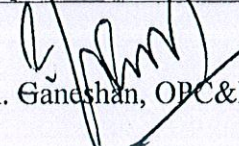
10.1 The Pipes dispatched to **BHEL Stores** shall be Paint stencilled and Hard punched on the Pipes 100mm away from pipe ends as indicated below.

- | | | | |
|--------------|---------------------------|--------------------------|----------------|
| 1) PO Number | 2) Supplier's emblem/code | 3) Specification & grade | 4) Heat number |
| 5) Size | 6) No. of pipes | 7) Inspector's seal | |

All pipes shall have squared ends and protected with translucent rust preventive on the outside.


G.Venkataramani, Engg&Quality

Approved by

G.Panneer Selvam, QA


K. Ganeshan, OPC&MPL



10.2 The Pipes if dispatched directly to project site as **DTS** shall be hard punched and paint stencilled with DU code (14 digit work order du detail) as given by purchase in addition to marking done as per Para 9.1. And also Painting and Edge preparation shall be done as indicated in P.O.

11.0 COLOUR CODING

Pipes shall be longitudinally colour coded as follows:

- a) 1 Cr : Black & Red
- b) 1 ¼ Cr : Green & White
- c) 2 ¼ Cr : Blue & Red

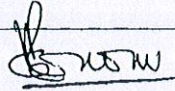
12.0 INSPECTION AND CERTIFICATION (In English only): -

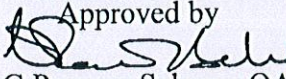
All Pipes are to be Inspected at the manufacturer's works by the Inspection agencies / authorities as per IBR and as indicated in the P.O. Inspection certificate in IBR Form III A (IBR Form IIID for well known Pipe maker) shall be submitted along with the Work Test Certificate countersigned by the above authorities and shall include the following.

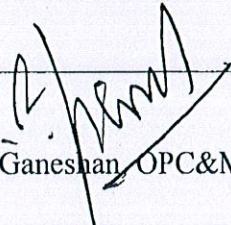
1. Test Certificate Number & date.
2. BHEL P.O Number & P.O. Serial Number
3. BHEL TDC Number
4. Specification, Grade, Size & Dimension.
5. Heat/Melt Number
6. Steel making process, Chemical analysis, Heat treated condition & Ultrasonic test results with acceptance norms for Plates.
7. Product analysis of the Weld.
8. Mechanical and metallurgical test results of the weld test coupons.
9. Heat Treated condition of the Pipe.
10. Radiography test reports with acceptance standard.
11. Dimensional report.

13.0 RECORDS OF REVISIONS

(i) Rev 03 – Entire document has been modified for better clarity.


G.Venkataramani, Engg&Quality

Approved by

G.Panneer Selvam, QA


K. Ganeshan, OPC&MPL

Part I - UnPriced bid (To be submitted with Technocommercial bid)

Enquiry ref

4011900011 dt 22.11.2019

Vendor name

M/s

S no	MATL CODE	Pipe Desc.	Qty in metres	Weight in MT	Quoted / Not Quoted
10	159385170000	PIPE DIA 559.0 X 10.0 SA672GRB70CL22	24	3.249	
20	159385180000	PIPE DIA 610.0 X 10.0 SA672GRB70CL22	12	1.78	
30	159385190000	PIPE DIA 660.0 X 10.0 SA672GRB70CL22	108	17.312	
40	159385220000	PIPE DIA 813.0 X 10.0 SA672GRB70CL22	48	9.504	
50	159387240001	PIPE DIA 965.0 X 10.0 SA672GRB70CL22	18	4.239	
60	159387200000	PIPE OD 1118X28 SA691-2 1/4 CR CL22	26	19.578	

Cells highlighted in orange color have to be filled by the vendors

INFORMATION ON REVERSE AUCTION

REVERSE AUCTION (AA: SSP: RA: 03) Issued on 26.09.2016

BHEL reserves the right to go for reverse auction (RA) (guidelines as Available on www.BHEL.com) instead of opening the sealed envelope price Bid, submitted by the bidder. This will be decided after Techno-commercial evaluation. Bidders to give their acceptance with the Offer for participation in RA. Non-acceptance to participate in RA may Result in non-consideration of their bids, in case BHEL decides to go For RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'process compliance form' (to The designated service provider) as well as 'online sealed bid' in the Reverse auction. Non-submission of 'process compliance form' or 'online Sealed bid' by the agreed bidder(s) will be considered as tampering of The tender process and will invite action by BHEL as per extant Guidelines for suspension of business dealings with suppliers/ Contractors (as available on www.BHEL.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along With the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be Placed on lower of the two bids (RA closing price & envelope sealed Price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the Contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in Comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it Will be considered as fraud and will invite action by BHEL as per extant Guidelines for suspension of business dealings with suppliers/ Contractors (as available on www.BHEL.com)

Cancellation / Termination of contract, Default / Breach of contract and Risk Purchase

In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfilment of any other terms and conditions given in Purchase Order as enumerated subsequently in this clause, Purchaser shall be entitled to cancel the Order / Contract either in whole or portion thereof without compensation to Seller / Contractor and if the Purchaser so desires, may procure upon such terms and in such manner as deemed appropriate, stores not so delivered or others of similar description where stores exactly complying with particulars are not, in the opinion of the Purchaser, which shall be final, readily procurable, at the risk and cost of the Seller / Contractor and the Seller / Contractor shall be liable to the Purchaser for any excess costs provided that the Seller / Contractor shall continue the performance of the Order / Contract to the extent not cancelled under the provisions of this clause. The Seller / Contractor shall on no account be entitled to any gain on such repurchases. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer.

Risk & Cost Clause, in line with Conditions of Contract may be invoked in any of the following cases:

- i. Contractor / supplier's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to contractor/ supplier including unexecuted portion of work / supply does not appear to be executable within balance available period (#) considering its performance of execution.
- ii. Withdrawal from or abandonment of the work by contractor before completion of the work as per contract.
- iii. Non completion of work / Non-supply by the Contractor / supplier within scheduled completion / delivery period as per Contract or as extended from time to time, for the reasons attributable to the contractor / supplier.
- iv. Termination of Contract on account of any other reason (s) attributable to Contractor / Supplier.
- v. Assignment, transfer, subletting of Contract without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- vi. Non-compliance to any contractual condition or any other default attributable to Contractor / Supplier.

Risk and Cost amount against Balance Work:

$$\text{Risk \& Cost Amount} = [(A-B) + (A \times H/100)]$$

Where,

A= Value of Balance scope of Work / Supply (*) as per rates of new contract

B= Value of Balance scope of Work / Supply (*) as per rates of old contract being paid to the contractor / supplier at the time of termination of contract i.e. inclusive of PVC & ORC, if any.

H= Overhead Factor to be taken as 5

In case (A-B) is less than 0 (zero), value of (A-B) shall be taken as 0 (zero).

***(Balance scope of work / supply)**

Difference of Contract Quantities and Executed Quantities as on the date of issue of Letter for 'Termination of Contract', shall be taken as balance scope of Work / Supply for calculating risk & cost amount.

Contract quantities are the quantities as per original contract. If, Contract has been amended, quantities as per amended Contract shall be considered as Contract Quantities.

Items for which total quantities to be executed have exceeded the Contract Quantities based on drawings issued to contractor from time to time till issue of Termination letter, then for these items total Quantities as per issued drawings would be deemed to be contract quantities.

Substitute / extra items whose rates have already been approved would form part of contract quantities for this purpose. Substitute / extra items which have been executed but rates have not been approved, would also form part of contract quantities for this purpose and rates of such items shall be determined in line with contractual provisions.

Cancellation / Termination of contract, Default / Breach of contract and Risk Purchase

However, increase in quantities on account of additional scope in new tender shall not be considered for this purpose.

Note: In case portion of work is being withdrawn, contract quantities pertaining to portion of work withdrawn shall be considered as 'Balance scope of work / supply' for calculating Risk & Cost amount.

LD against delay in executed work / supply in case of Termination of Contract in case of Risk and Cost Option

LD against delay in executed work / supply shall be calculated in line with LD clause of the contract for the delay attributable to contractor / supplier. For limiting maximum LD value, contract value shall be taken as Executed Value of work / supply.

Method for calculation of "LD against delay in executed work / supply" is given below.

- i. Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor / supplier= T1
- ii. Let the value of executed work / supply till the time of termination of contract= X
- iii. Let the Total Executable Value of work / supply for which inputs / fronts were made available to contractor / supplier and were planned for execution till termination of contract= Y
- iv. Delay in executed work / supply attributable to contractor/supplier i.e. $T2 = (1 - X/Y) * T1$
- v. LD shall be calculated in line with LD clause of the Contract for the delay attributable to contractor / supplier taking "X" as Contract Value and "T2" as delay attributable to contractor / supplier.

Note: In case portion of work / supply is withdrawn, no LD shall be applicable for portion of work / supply withdrawn.

Recovery from Supplier

Recoveries from contractor / supplier on whom risk & cost has been invoked shall be made from the following:

- i. Dues available in the form of Bills payable to contractor / supplier, SD, BG's against the same contract.
 - ii. Dues payable to contractor / supplier against other contracts in the same Region / Unit / Division of BHEL.
 - iii. Dues payable to contractor / supplier against other contracts in the different Region / Unit / division of BHEL.
- Legal Options for recovery of dues payable by the supplier / contractor.

Declaration to be issued on Company letter head

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated 28.05.2018, we hereby certify that we, _____ (supplier name) are local supplier meeting requirement of minimum local content (50%) defined in as above orders for the following Enquiry SI Nos of BHEL Enquiry No 4011900011 dt 22.11.2019.

- Enquiry SI Nos-

Details of location at which local value addition will be made is as follows:

.....

.....

By issuing this declaration, we understand and are in acceptance to the following-

- False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.
- In case of debarment by any procuring entity for violation of the provisions of the Public Procurement (Preference to Make in India), Order 2017 we shall not be eligible for preference for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, the debarment takes effect prospectively from the date of uploading on the website(s) of The Department of Expenditure, GOI in such a manner that ongoing procurements are not disrupted.
- We undertake the onus of responsibility of submission of appropriately certified documents. We understand that BHEL is not at liability to verify the contents and will not be responsible for the declaration made by us. However, in case BHEL has any reason to doubt the authenticity of the local content, BHEL reserves the right to obtain the complete back up calculations before award of contract and we are liable to submit the same if requested by BHEL. We also understand that our bid is liable for rejection in case we fail to submit the details as requested by BHEL.

Seal and Signature of authorized signatory

Special Note-

In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.



	TCS-Vendor Approval for Third Party Inspection Agencies-1-R0	Date:	22.12.2017
--	---	-------	------------

1. **BIFPCL/OE, Kuckhoff, 22.12.2017:**

TUV SUD South Asia

Following documents were reviewed:

- Centre Wise List of TUV Inspectors Rev 1
- Tuv-sud-balancing-energy-and-environmental-demandsmhs

Based on the submitted data, the vendor would be accepted.

BHEL REPLY <Date>:

BIFPCL/OE REPLY, Name, <Date>:

2. **BIFPCL/OE, Kuckhoff, 22.12.2017:**

BUREAU VERITAS INDIA LIMITED (BVIL)

Following documents were reviewed:

- Centre Wise List of BVI Inspectors - Rev 1
- Bureau+Veritas+Brochure

Based on the submitted data, the vendor would be accepted.

BHEL REPLY <Date>:

BIFPCL/OE REPLY, Name, <Date>:

3. **BIFPCL/OE, Kuckhoff, 22.12.2017:**

Quality Evaluation & System Team Pvt Ltd.

Following documents were reviewed:

- QUEST

Based on the submitted data, the vendor would be accepted.

4. **BIFPCL/OE, Kuckhoff, 22.12.2017:**

IR Class System & Solutions Pvt Ltd.

Following documents were reviewed:

- IRCLASS

Based on the submitted data, the vendor would be accepted.

ORGANIZATIONS HOLDING AUTHORIZED INSPECTION AGENCY CERTIFICATES OF ACCREDITATION

- NOTES:**
- 1) This document is an unofficial listing of the holders of Authorized Inspection Agency (AIA) Certificates of Accreditation. As the status of this list changes constantly, caution is suggested in its use. To verify the organization's current status, visit the Certificate Holder Search webpage: <http://caconnect.asme.org/CertificateHolderSearch/Index>
 - 2) With the exception of AIA's listed under the classification "Jurisdictional Authorities", most AIA's have regional offices throughout the world. Contact the person identified as the point of contact in this listing or visit their website to determine if the organization is capable of providing BPV Code inspection activities in your region.

ABSG Consulting Inc.

an Affiliate of ABS Boiler & Marine Insurance Company
16855 Northchase Drive
Houston, Texas 77060
United States
BPV Sections: I, III Div. 1 & 3, IV, VIII Div. 1, 2 & 3, X, XI, & XII
Manish Waghare, Manager, ASME
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Phone: (281) 673-2891

APAVE AIA

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Michel Margat, Codes & Standards Manager
Phone: 33472323347 Fax: 33472323330
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Arise Boiler Inspection and Insurance Company Risk Retention Group

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Wayne Y. Jones, Manager Codes and Standards
Phone: (251) 895-8826
Email: Wayne.Jones@ariseinc.com
Robert Kainec, ASME Administrator
Phone: (440) 746-8908
Email: Robert.Kainec@ariseinc.com

Authorized Inspection Associates, LLC

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Houston, Texas 77095-5290
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Rex M. Smith, Manager
Phone: (281) 751-1150 Fax: (281) 769-1645
Email: RSmith@aiallc.org

British Engineering Services, Ltd.

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Manchester M23RS
United Kingdom
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Christopher Newby, Authorized Inspector Supervisor/Authorized Nuclear Inspector Supervisor
Phone: (44) 01625425863 Fax: (44) 01612353702
Email: chrisnewby8@aol.com
Website: www.britishengineeringservices.co.uk

C&P S.r.L

Via Guidoni, 7
Lissone (MB) 201851
Italy
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Elena Bassi, Administrative Manager
Phone: (39) 0399165344 Fax: (39) 0293661369
Email: amministrazione.asme@cpinspection.com
Website: <http://www.cpinspection.com>

China Special Equipment Inspection & Research Institute CSEI ASME Inspection Co., Ltd.

Building 2, Xiyuan, Hepingjie
Chaoyang District, Beijing 100013
People's Republic of China
BPV Sections: I, III, Div. 1 & 3, IV, VIII Div. 1, 2 & 3, X, & XII
Yong Wang, Manager of Inspection Department
Phone: (86) 1059068183 or 59068738 Fax: (86) 1059068739
Email: asme@csei.org.cn
Website: www.csei.org.cn

Damarc Quality Inspection Services LLC

2195 59th Street
Somerset, Wisconsin 54025
United States
BPV Sections: I, IV, and VIII Div. 1, 2 & 3, X, & XII
Jeremie M. Rudek, CEO
Phone: (715) 247-2053 Fax: (715) 247-2055
Email: amanda.rudek@outlook.com
Website: www.damarcquality.com

**ORGANIZATIONS HOLDING AUTHORIZED INSPECTION AGENCY CERTIFICATES OF ACCREDITATION
(CONT'D)**

DNV GL AS

12th Floor, Burjuman Business Tower
Dubai 11539
United Arab Emirates
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Chaganti Vasu, Area Manager-VMC
Phone: (971) 566967395 Fax: (971) 43523717
Email: chaganti.vasu@dnvgl.com
Website: www.dnvgl.com

Factory Mutual Insurance Company

270 Central Avenue
Johnston, Rhode Island 02919
United States
BPV Sections: I, IV, VIII Div. 1, 2 & 3, & X
Phillip Cole, Manager of Jurisdictional Services
Phone: (401) 275-3000 Fax: (401) 944-7269
Email: phillip.cole@fmglobal.com

The Hartford Steam Boiler Inspection and Insurance Company

One State Street
Hartford, Connecticut 06103
United States
BPV Sections: I, III Div. 1, 2 & 3, IV, VIII Div. 1, 2 & 3, X, XI, & XII
Ralph Rockwood, Director, Global Quality
Phone: (630) 955-5620 Fax: (630) 955-5642
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Website: www.hsbglobalstandards.com

ICIM S.p.A.

Piazza Don Enrico Mapelli, 75
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BPV Sections: I, III Div. 1 & 3, IV, VIII Div. 1, 2 & 3
Andrea Camanni, Responsabile Schema ASME
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Labor Standards & Safety Enforcement
Division of Public Safety & Occupational Safety & Health
Bureau of Boiler & Pressure Vessel Compliance
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Department of Labour and Advanced Education

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Province of Ontario

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1 & 5
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Technical Safety Authority of Saskatchewan

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**Maitree STPP
Technical Comment Sheet (TCS)**

FICHTNER

	TCS-Vendor Approval for Third Party Inspection Agencies-1-R0	Date:	22.12.2017
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5. BIFPCL/OE, Kuckhoff, 22.12.2017:

UTES

Following documents were reviewed:

- RITES QM

Based on the submitted data, the vendor would be accepted.

6. BIFPCL/OE, Kuckhoff, 22.12.2017:

TUV Rheinland (India) Pvt Ltd.

Following documents were reviewed:

- TUV Rheinland (India) Pvt. Ltd.

Based on the submitted data, the vendor would be accepted.