

1490600/2023/BAP-9781\_COML

## Pre-Qualification Requirement

To

Participate in Tender for SS tube 88.9X4.78 Procurement  
(To be submitted along with Offer for Technical BID Evaluation)

## Following are the Pre-Qualification Requirement


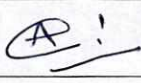


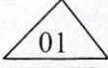
Sl No.	Criteria	Document proofs to be submitted	Bidder Compliance (Yes/No/Comment)
01	A) Bidder should be original manufacturer	For A) Certificate of being original manufacturer.	
	(or) B) OEM authorized distributor /agent/trader.	For B) A valid OEM authorization letter in case of Distributor /Agent/ Trader.	
02	Suppliers shall indicate their experience for the tendered specifications.	At least One Set of PO copy (Priced/Un priced) and corresponding proof of supply (like Invoice or SRV or GR etc) for <u>SS Tubes/ Pipes</u> to be submitted.	
03	Confirmation to the Specification	Sealed and signed copy of technical specification FWQS:01 Rev:01	

- BHEL reserves the right to verify information / confirmation furnished by asking additional documents Proofs etc.
- BHEL reserves the right to visit supplier's works to audit and inspect to ensure the capability for technical evaluation.
- Compliance to all the above Pre-qualification requirements is mandatory. In absence of PQR compliance vendor's offer are liable for rejection.

**Declaration:**

We understand that all the proofs/documents submitted by our firm for all the above points are subject to verification and in case BHEL finds any discrepancy in any of the documents submitted by us like fake/false/forged documents, Certificates or information, action may be taken against our firm as per extant guidelines of BHEL.

**Bidder's Seal & Signature**


		Bharat Heavy Electricals Ltd Boiler Auxiliaries Plant Ranipet-632 406		FLUE GAS DESULPHURISATION DEPT TECHNICAL SPECIFICATION	
01	19-03-2021	Sl. No. 8 Supply condition altered.			
00	02-07-2020	Fresh Release	Anupam Kushwaha	Arun Kumar	V.Kesavan
REV	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED
Sl.no.	Item	STAINLESS STEEL PIPE OD 88.9x4.78 mm - 316L			Vendor Acceptance /Comments
1	Scope	Supply of Stainless steel pipes as per ASTM A 312 TP316L.			
2	Size with Tolerances	OD88.9 ± 0.8mm ; Thickness 4.78mm +22.5% /-12.5%			
3	Length of supply	Length of each tube 6300 mm to 6500 mm.			
4	Material	Stainless steel ASTM A 312 TP316L			
5	Manufacturing	Welded/Seamless			
6	Application	Emergency quenching system of FGD.			
7	Chemical Composition & Mechanical Properties	As per ASTM A 312 TP316L			
8	Supply condition	Bright annealed / Solution annealed.			
9	Hydro test Pressure	Hydro test @ 6.0 bar			
10	Documents to be submitted	(a) The Vendor shall furnish point wise reply and submit seal & signed copy of this specification along with offer. (b) The Vendor shall submit the dimensional drawings indicating materials of construction and weight along with the offer for information.			
11	Marking & Packing	10.1 Each tube shall be clearly paint stencilled with the following details: a) Purchase Order Number b) Size and specification c) Maker's emblem  10.2 The tubes shall be supplied in Bundles packed suitably with Alkathene Hessian cloth facilitating easy handling at shipping, Stores etc.  10.3 The tubes shall be supplied with suitable tight fitting plastic end Caps.			

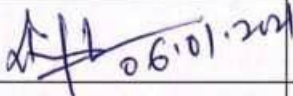
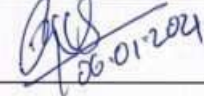
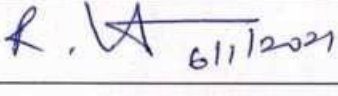
Bidder's seal &amp; sign

		10.4 The method of bundling shall be supplied that the tubes do not loosen during handling and transit.	
12	Test certificate	<p>11.1 The supplier shall furnish the Test certificate in English. It shall contain the following information.</p> <ul style="list-style-type: none"> <li>a) Purchase Order number and date</li> <li>b) Specification and Grade</li> <li>c) Size, number and weight</li> <li>d) Chemical composition- Meltwise</li> <li>e) Mechanical Properties- Meltwise /heat treatment batchwise</li> </ul> <p>11.2 BHEL may choose to inspect the manufacturing or testing.</p> <p>11.3 BHEL reserves the right to carry out tests and to reject the Items wherever nonconformance to the contract is noticed.</p>	
13	Destination	<b>BHEL BAP RANIPET STORES, TAMILNADU</b>	


Bidder's seal & sign

172383/2021/BAP-MM-FGD

 <b>Ranipet</b>	MANUFACTURER'S NAME AND ADDRESS		STANDARD QUALITY PLAN				PROJECT : AS PER PO							
	BHEL/ BHEL APPROVED SOURCE		ITEM:	QP NO.:	SSP: 743	MAIN CONTRACTOR: BHEL								
			STAINLESS STEEL PIPE (WELDED & SEAMLESS)	REV. NO.:	00	PAGE 1 OF 2								
				DATE:	06.01.2021									
SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLAS S	TYPE OF CHECK	QUANTUM OF CHECK		REFEREN CE DOCUMENT	ACCEPTAN CE NORMS	FORMAT OF RECORD		AGENCY			REMARKS
					M	C/N					M	C	N	
1.	2.	3.	4.	5.	6.		7.	8.	9.	D*	** 10.			11.

<b>1.0 INCOMING MATERIAL INSPECTION</b>														
1.1	STRIP / PLATE/ BILLET	CHEMICAL PROPERTIES MECHANICAL PROPERTIES	Major	Raw material test	EACH HEAT/ MELT	EACH HEAT/ MELT	ASTM A 312/ APPROVED DATA SHEET/ SPECIFICATION	MTC	√	P	V	-		
<b>2.0 IN PROCESS INSPECTION</b>														
2.1	WELDED / SEAMLESS PIPE	HEAT TREATMENT	Major	Temp & Time	100%	100%	ASTM A 312/ APPROVED DATA SHEET/ SPECIFICATION	HT CHART	√	P	V	-		
2.2		PRODUCT ANALYSIS	Major	Chemical	ASTM A312			Report		P	V	-		
2.3		IGC TEST WHEREVER APPLICABLE	Major	Chemical	ONE SAMPLE / HT BATCH	ASTM A262	PRACTICE 'E'	TC	√	P	V	-		
<b>3.0 FINAL INSPECTION</b>														
3.1	FINISHED PIPES	MARKING & IDENTIFICATION	Major	Visual check	100%	Rando m 10%	ASTM A 312/ APPROVE D DATA SHEET/ SPECIFIC ATION	ASTM A 312/ APPROVED DATA SHEET/ SPECIFICATI ON	Report	√	P	W	-	
3.2		TS, YS, % EL, BEND/ FLATTENING TEST	Major	Physical test	ASTM A312				Test report	√	P	W	-	
3.3		GRAIN SIZE (AS APPLICABLE)		Micro Etching	ASTM A312									
3.4		SURFACE DEFECTS, END		Visual & Measure	100%	Rando m 10%								
Prepared by			Reviewed by			Approved by			LEGENDS:					
 06.01.2021			 26.01.2021			 6/1/2021			RECORDS IDENTIFIED WITH 'TICK(√)' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION, TS TECHNICAL SPECIFICATION M-MANUFACTURER/SUB CONTRACTOR; C-CONTRACTOR/BHEL NOMINATED INSPN AGENCY; N- CUSTOMER , TC- TEST CERTIFICATE, HT- HEAT TREATMENT, MTC- MATERIAL TEST CERTIFICATE; P-PERFORM, W-WITNESS & V: VERIFICATION, APPROPRIATE 'CHP' SHALL BE IDENTIFIED IN COLUMN 'N'					
Rakesh Kr Madhu (Dy Manager/ QA)			K Renjith (Manager/ QA)			R Arunachalam(Dy.GM/ QA)								

172383/2021/BAP-MM-FGD

 <b>Ranipet</b>	MANUFACTURER'S NAME AND ADDRESS		STANDARD QUALITY PLAN				PROJECT : AS PER PO							
	BHEL/ BHEL APPROVED SOURCE		ITEM:	QP NO.:	SSP: 743	MAIN CONTRACTOR: BHEL								
			STAINLESS STEEL PIPE (WELDED & SEAMLESS)	REV. NO.:	00	PAGE 2 OF 2								
				DATE:	06.01.2021									
SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			REMARKS
1.	2.	3.	4.	5.	M	C/N	7.	8.	9.	D*	** 10.			11.
		FINISH, WALL THICKNESS, OD, ID, LENGTH, OVALITY, STRAIGHTNESS												
3.5	FINISHED PIPES	HYDROSTATIC TEST	Major	Hydro Test	100%	Random 10%		No Leakage	Hydro test report	√	P	W	-	
4.0	PACKING & PRESERVATIONS													
4.1	PACKING & PRESERVATIONS	VISUAL & MEASUREMENT	Major	Visual & Dimensional	100%	100%	PO/ TECHNICAL SPECIFICATION/ APPROVED DATASHEET		COC	√	P	V	-	

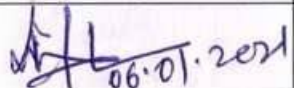
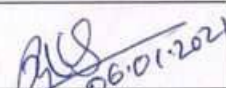
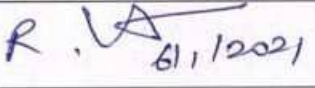
## NOTES:

1. Bhel/ Bhel AIA shall crosscheck the SS grade by PMI testing for randomly selected pipes from different heat.
2. No weld seam repairs are permitted.
3. End capping should be ensured on all the pipes
4. Materials shall be procured in compliance to Functional Technical Specification.
5. Gauges and measuring Instruments, with valid calibration only shall be used.
6. This QP shall be applicable for mandatory spare also specific to the project/items as applicable.

\*\* This QP Shall be read along with relevant P.O. and BHEL Drawing/Specification.

Record of revision

Rev no	Date	Description
00	06.01.2021	Original Issue – First submission

Prepared by	Reviewed by	Approved by	LEGENDS:
 06.01.2021	 06.01.2021	 06.01.2021	RECORDS IDENTIFIED WITH 'TICK(√)' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION, TS TECHNICAL SPECIFICATION M-MANUFACTURER/SUB CONTRACTOR:C-CONTRACTOR/BHEL NOMINATED INSPN AGENCY: N- CUSTOMER , TC- TEST CERTIFICATE, HT- HEAT TREATMENT, MTC- MATERIAL TEST CERTIFICATE P-PERFORM, W-WITNESS & V: VERIFICATION, APPROPRIATE 'CHP' SHALL BE IDENTIFIED IN COLUMN 'N'
Rakesh Kr Madhu (Dy Manager/ QA)	K Renjith (Manager/ QA)	R Arunachalam(Dy.GM/ QA)	

Annexure to Enquiry no:		Date
Sl.No	BHEL / Customer Requirement	##Specific confirmations by the manufacture
1	<b>Quality Plan Requirement:</b>	
1a	MQP (Manufacturing Quality Plan) shall be submitted in attached format for BHEL/Customer review & approval. Typical MQP is attached for indicative purposes for guidance & use.	Agreed
1b	MQP shall invariably cover w.r.t Inward inspection including on Raw material Procurement, In process and Final inspection in elaborated way/details.	Agreed
1c	Bidder shall also to give specific confirmation that on need basis, their competent officials shall visit to BHEL/customer for finalization of Quality plan including test procedure/methodology during preaward / post award approval / detailed engineering in the event of an order.	Agreed
1d	No deviation on BHEL/Customer approved MQP is acceptable.	Agreed
1e	Bidder shall agree to submit all cross referred documents other than codes/standards to BHEL/Customer/Consultant.	Agreed
2	<b>Important Notes shall be included in MQP :</b> (a) Latest revision of Standard s & Specification shall apply. Only International Standards are applicable. Indian & Chinese Standards are not applicable. (b) Materials shall be procured in compliance to Functional Technical Specification. (c) Inspection shall be in compliance with Approved Quality Control Procedure for the Product. (d) NDT shall be carried out by Qualified Personnel with compliance to Approved NDT Procedures and Acceptance Norms, as per ASME Section V. (e) Gauges and measuring Instruments, with valid calibration only shall be used. (f) Cleaning and Painting of products shall be carried out as per Approved Painting Schedule. (g) Finished Products shall be packed to comply with Approved Packing Schedule. (h) Welding shall be carried out by Qualified Personnel with compliance to Approved NDT Procedures and Acceptance Norms, as per ASME Section V.	Agreed
3	<b>Domestic / Inland Inspection</b> will be carried out by BHEL/BHEL appointed Third Party Inspection Agency (TPIA) / Customer/Customer Apointed Inspection Agency/Consulatnat. This is applicable for all Stage inspection and Final Inspection identified as "W" - Witness or "CHP" - Customer Hold Point as per customer approved Quality Plan/ Technical specification / Approved Drawing/ Approved Data sheet / Scheme / PID / PFD / SLD (Process Instrumentaion Diagram / Process Flow Diagram / Single Line Diagram) etc (As applicable). <b>"The inspection charges at actuals incurred by BHEL will be loaded to compare with foreign suppliers".</b>	Agreed
4	<b>Inspection Agency for Foreign Bidders and also for Indian Bidder but importing from Foreign Sources:</b> (1) Any one of the following Third Party Inspection Agency (TPIA) shall be appointed by the bidder and same shall be furnished by the bidder in techno commercial bid itself. (2) The details of TPIA with contact details like Name of the official, Phone no, Email id shall also to be submitted during pre/post award. However <b>cost for such inspection agency shall be borne by the bidder only. Inspection charges for such inspection agency shall be indicated separately so that if BHEL/Customer is undertaking the inspection by on their own , then these charges non claimable by the bidder.</b> <b>List of TPIA</b> (1). M/s Bureau Veritas, (2). M/s TUV-Nord, (3). M/s TUV-SUD, (4). M/s TUV Rheinland, (5). M/s Lloyds Register, (6). M/s SGS, (7). M/s Germanischer Lloyd, (8). M/s QUEST, (9). M/s Certification Engineers International, (10). M/s Intertek, (11). M/s IR Class Systems and Solutions, (12). M/s DNV, (13). M/s Fichtner, (14). M/s ABS Inspection Services.	NA
5	<b>Stage Inspection during manufacturing Process :</b> Stage Inspection during manufacturing shall be carried out as per approved quality plan and all necessary documents shall be provided for review,verification and clearance for further processing. This inspection call shall be given well in advance (atleast 2 weeks before) to TPI/Bidder's own inspection agency to avoid delay in the manufacturing processes.	Agreed
6	<b>Inspection before despatch for domestic supplier :</b> Inspection before despatch at supplier's works shall be carried out by BHEL/BHEL appointed Inspection agency. Inspection shall be done as per approved Quality plan/ Technical specification/ Approved Drawing/ Approved Data sheet .	Agreed
7	<b>Inspection at Foreign Source/Supplier:</b> (a) As in sl no: 3. shall be ensured without fail, (b) No material / items shall be despatched without getting the written communication from BHEL / Customer inspection carried out by BHEL/BHEL appointed Third Party Inspection Agency (TPIA) / Customer/Customer Apointed Inspection Agency/Consulatnat. This is applicable for all Stage inspection and Final Inspection identified as "W" - Witness or "CHP" - Customer Hold Point as per customer approved Quality Plan/ Technical specification / Approved Drawing/ Approved Data sheet / Scheme / PID / PFD / SLD (Process Instrumentaion Diagram / Process Flow Diagram / Single Line Diagram) etc (As applicable). (c) Inspection before despatch at supplier's works shall be carried out by bidder appointed inspection agencies having international presence at vendors and or vendor's sub vendor works. Inspection shall be done as per approved Quality plan/ Technical specification/ Approved Drawing/ Approved Data sheet by TPIA mentioned in SI no: 03 at supplier's cost.	NA
8	<b>Painting</b> shall be done strictly as per BHEL/Customer approved painting schedule / scheme only. Paint Thickness / Paint shade shall be ensured as per BHEL / Customer approved painting schedule / specification / data sheet etc. No deviation is acceptable unless otherwise accepted by BHEL/Customer in writing. Any conflict if any among BHEL / Customer approved painting schedule / Spec / data sheet etc shall be brought to the notice to BHEL well in advance before proceeding including the BOI being procured for assy / skid like motors etc	Agreed
9	Specific conformation for document package in the event of an order (2 Hard copies & soft copy in PDF file) is to be given containing the following with proper linkages (i) Index Sheet, (ii) MQP/RQP/Endorsement Sheet (As applicable), (iii) TCs identified by BHEL/ Customer for record for "CHP" / "W" and Verification portion ("V") as given in approved QP, (iv) Final inspection report + TC including Chemical + Mechanical + HT + NDT etc, (v) Third party Inspection report + TC, (vi) Customer CHP/ MDCC, (vii) Type test / Performance Test reports conducted, (viii) Type test / Performance Test approval/ clearance obtained from BHEL/Customer, (ix) BOM with As Build Drgs with actual make / rating used with BHEL/customer approved drawings.	Agreed
10	<b>Packing / Seaworthy Packing</b> shall be as per BHEL Packing schedule / approved drg / sketch. This shall be ensured to take care tarntis / handling / transhipment in Road / Sea / Air. Photographs are to be submitted for BHEL review before despatching the material as per contract conditions.	NA
10	<b>Packing</b> shall be as per BHEL Packing schedule / approved drg / sketch. This shall be ensured to take care tarntis / handling / transhipment in Road / Sea / Air. Photographs are to be submitted for BHEL review before despatching the material as per contract conditions.	Agreed
11	<b>Outsourcing of test facilities:</b> Bidder shall ensure all the testing facilities in house. However If any of the test facilities are not available with successful bidder, then bidder shall ensure the same at NABL accredited third party lab / Govt / Govt Lab for major testing such as NDT, Electrical & Mechanical testing.	Agreed
12	<b>Important Note:</b> No deviation on the above requirement 01 to 11 is acceptable w.r.t Quality Requirement and those offers not meeting these specific customer requirement is liable for rejection and hence the bidder shall submit all the required documentary evidences in the offer itself.	Agreed
13	## Necessorily to be filled up by the bidder at the time of offer itself otherwise the offer may not be considered w.r.t Quality Requirement being customer specific requirement.	Agreed

\*(To be submitted In the company letter head by supplier)

## **Form - 1**

**Subject:** Public Procurement (Preference to Make In india)

**References:**

- 1.P-45021/2/2017-B.E-II dated. 15<sup>th</sup> June-2017,
- 2.P-45021/2/2017-PP(BE-II) dated. 28<sup>th</sup> May-2018 ,
- 3.P-45021/2/2017-PP(BE-II) dated. 29<sup>th</sup> May-2019.
- 4.P-45021/2/2017-PP(BE-II) dated. 4<sup>th</sup> June-2020

We hereby declare with reference to above subject and references that M/s -----(Tick whichever is applicable as below)

"Class-I local supplier" meeting the requirement of minimum local content equal to 50%(fifty percent) or more defined in the above government notification for the goods and services (or)

"Class-II local Supplier" meeting the requirement of local content 20% to less than 50%(fifty percent) defined in the above government notification for the goods and services

Please mention the details against the following:

Enquiry no:----- dated. -----

Type of Supplier (Class-I/Class-II) .....

Product:-----

Project:.....

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

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We also understand that the 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.

Authorized Signature M/s \_\_\_\_\_  
(Signature and seal)

Place:.....

Date:.....

From.

M/s \_\_\_\_\_

Address: \_\_\_\_\_

**Note:** For offer value INR 10 crores or more, shall be vetted/endorsed by statutory auditor or cost auditor, for the declared local content.

**\*(To be submitted In the company letter head by supplier)**

## **Form – 2**

I/we are bidder from \_\_\_\_\_ (Address with country). We do not belong to any of the below category mentioned.

1. Any of entity/office/workshop of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.
2. Any of subsidiary of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.
3. Any of entity/office/workshop of your organisation/incorporation, controlled in a country sharing land border with India, If yes, provide the full address of all such locations.
4. Any of entity whose beneficial owner is situated in a country sharing land border with India, If yes, provide the full name, address of all such locations.
5. Any Indian Agent available, If so, Provide details of address and contacts.
6. Any employee/directors who is/are citizen of country sharing land border with India, If yes, provide the full name, employee code and address of all such locations.
7. Any of consortium/joint venture of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.

### Meaning of beneficial owner

- 1) In case of a company or limited liability partnership, beneficial owner is the natural person, who, whether acting alone or together, or through one or more judicial person, has a controlling ownership interest or who exercises control through other means.

### Explanation

- a) Controlling ownership interest means ownership of or entitlement to more than twenty-five percent of shares or capital or profits of the company.
- b) "control" shall include the right to appoint majority of the directors or to control the management rights or shareholder's agreement or voting agreement.
- 2) In case or a partnership firm the beneficial owner is the natural person (s) who whether acting alone or together or through one or more judicial person, has ownership of the entitlement to more than fifteen percent of capital or profits of the partnership.
- 3) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more judicial person, has ownership of the entitlement to more than fifteen percent of the property or capital or [profits of such association or body of individual.
- 4) Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.
- 5) In case of a trust, the identification of beneficial owner (s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust and any other natural person exercising the ultimate effective control over the trust through a chain of control of ownership.
- 6) An agent is a person employed to do any act for another, or to represent another in dealing with third person. We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India, we hereby declare that we do not belongs to any such country and are eligible to be considered. In case, any of information is found to be false, even after bid acceptance, immediate termination may happen and action will be taken as per law.

*Format is being filled without altering any of the clause mentioned in the given format\*\**

Dated: \_\_\_\_\_

Authorised Sign and stamp \_\_\_\_\_