



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT

TITLE: Supply of Socket Welded Fittings to BHEL Trichy	Phone: +91 431 2577630 / 2575329 Fax : +91 431 2520 719 Email : nnithya@bheltry.co.in geetha@bheltry.co.in
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Reference Number: 1401500030	Date: 08.04.2015	Due date for submission of offer : 02.05.2015
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You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order.

Please note that under any circumstance both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the date tender opening.

BHEL / Trichy is looking for Socket Welded Fittings to BHEL Trichy as per the attached documents.

BHEL technical terms & conditions and all annexures can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units) Bharath Heavy Electricals Limited) under reference “**1401500030**”

Offer should reach us before 14:00 hours on the due date of 02.05.2015.	Yours Faithfully, For Bharath Heavy Electricals Limited Sr. Engineer / MM / Purchase - C&F
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General Note: **BHARAT HEAVY ELECTRICALS LIMITED**

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(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

PHONE : 2577480
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail :
Web :

429-002/A

OFFICE COPY	Collective No.	Enquiry Date	Due Date For Quotation
	1401500030	08.04.2015	02.05.2015
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	921040440000 45 DEG SW ELBOW 1.5"SCH9000 SA182F22CL3 ANSI B16.11	NO	16.000	16.00	30.09.15
20	921040450000 45 DEG SW ELBOW 1.5" SCH9000 SA105 ANSI B16.11	NO	50.000	50.00	30.09.15
30	921040460000 45 DEG SW ELBOW 2.0"CL3000 SA105 ANSI B16.11	NO	16.000	16.00	30.09.15
40	921040470000 45 DEG SW ELBOW 2.0"CL6000 SA182F22CL3 ANSI B16.11	NO	40.000	40.00	30.09.15
50	921040490000 45 DEG SW ELBOW 2.0"CL6000 SA105 ANSI B16.11	NO	80.000	80.00	30.09.15
60	921040590000 90 DEG SW ELBOW 1.5"SCH6000 SA182F22CL3 ANSI B16.11	NO	50.000	50.00	30.09.15
70	921040600000 90 DEG SW ELBOW 1.5" SCH9000 SA182F22CL3 ANSI B16.11	NO	80.000	80.00	30.09.15
80	921040610000 90 DEG SW ELBOW 1.5" SCH9000 SA105 ANSI B16.11	NO	260.000	260.00	30.09.15
90	921040630000 90DEG SW ELBOW 2.0" CL9000 SA182F22CL3 ANSI B16.11	NO	50.000	50.00	30.09.15
100	921050150000 SW EQ TEE 1.5" CL9000 SA182F22CL3 ANSI B16.11	NO	16.000	16.00	30.09.15

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE
(FOSSIL BOILERS)



BHARAT HEAVY ELECTRICALS LIMITED

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(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

1401500030 / 08.04.2015

23505

Item No	Description	Quantity	Unit Price	Total Price	Delivery Date
110	921050200000 SW EQ TEE 2"CL6000 SA182F12CL2 ANSI B16.11	NO	24.000	24.00	30.09.15
120	921056060000 SW STRAIGHT TEE 1.5" 9000# SA105 ANSI B16.11	NO	44.000	44.00	30.09.15

General Note:

1. Terms and Conditions are attached along with the enquiry.

Enclosures:

"LD clause has to be confirmed without fail."

PR Links

Material.	PR.No	PR.Item.	Quantity	Acc. Assign	Customer Number
921040440000	110572623	00010	16.000	U5/0683	U5/0683
921040450000	110572623	00020	50.000	U5/0683	U5/0683
921040460000	110572623	00030	16.000	U5/0683	U5/0683
921040470000	110572623	00040	40.000	U5/0683	U5/0683
921040490000	110572623	00050	80.000	U5/0683	U5/0683
921040590000	110572623	00060	50.000	U5/0683	U5/0683
921040600000	110572623	00070	80.000	U5/0683	U5/0683
921040610000	110572623	00080	260.000	U5/0683	U5/0683
921040630000	110572623	00090	50.000	U5/0683	U5/0683
921050150000	110572623	00100	16.000	U5/0683	U5/0683
921050200000	110572623	00110	24.000	U5/0683	U5/0683
921056060000	110572623	00120	44.000	U5/0683	U5/0683

list of suppliers

RFQ-5200003836

Open Tender Dummy Code

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

Revision Record:

Rev 09: New materials F23, F91 & F92 requirements added in Cl.1.0, Cl.2.0, and Cl.4.0 to Cl.6.0. CE marking certification clarity included in Cl.10.
 Rev 10: Cl 1:F6a Class 2 added, Code case corrected. Cl 2: Steel makers names removed and requirement for creep testing added as per IBR Reg 4,
 Cl 4: Tempering temperature and soaking time modified for SA 182 F91, F92 & F23. Cl 4 & 10: Photomicrograph requirement added for F91 & F92 forgings, Cl 2, 6 & 10:
 modified for SS, Cl 5: Bend test Clarified, Cl 6: Wet MPI added.
 Rev 11: Cl 2 Pt 3, 4, 5 modified. Cl 6 – Wet MPI for CS, AS added, Cl 10.1 – IBR Forms indicated
 Rev 12: Cl 1, 2, 4, 6 and 7 – requirements for grades SA 182 F1, SA 336 F1, F12, F22 Cl 3 and F91 added (for Neyveli Project). Creep test criteria in-line with BHEL R&D
 included. Cl 2 Pt 8 modified. Cl 6 Pt 1 – SA388 changed to ASTM A 388 based on ASME Sec II Ed 2013.
 Rev 13: Cl 2 Cl 4 Cl 10 Cl 12 modified

1. MATERIAL

Specification: ASME {Latest on date of Purchase Order (PO)}: (ASTM also applicable for non pressure parts / Valves)

Carbon Steel (CS) : SA 105, SA 350 LF 2
 Alloy Steel (AS) : SA 182 F6a Class 2, F6a Class 3, F12 Class 2, F22 Class 3, SA 182 F23 (Code case: 2199),
 SA 182 F91 & SA182 F92 (Code Case: 2179), SA 182 F1, SA 336 F1, SA 336 F12,
 SA 336 F22 Cl 3, SA 336 F9J
 Stainless Steel (SS) : SA 182 Gr. F 304, 304L, 316, 316L, 316H, 321, 321H, 347 & 347H;
 AISI 410 for TOA Gland and bushings.
 Additional Requirement : As listed below (supplementary to Specification)
 Size and Qty : As per Purchase order & Drawing.

2. CHEMICAL COMPOSITION & PROCESS

- 1) Melting: fully killed.
 Product analysis per heat: CS: C \leq 0.25%, AS: SA182 F23: Si: 0.25-0.50% & Cu: 0.25max
 SA182 F92: Si: 0.10-0.50%, Ni: 0.30 max & Cu:0.25% max
- 2) Raw material Steel for IBR forging items to be inspected at Mill & test certificate countersigned by IBR approved Authority, if the mill is not approved under IBR as well known steel maker.
- 3) Forging: to ensure uniformity of structure & strength with reduction ratio in area 4:1 min from ingot to final forging, close to final size & shape. Flow lines to be parallel to axis of openings. Forged Items ordered to this TDC shall be forged to the nearest shape before machining to final dimensions as per respective drawing.
- 4) Blooms / Billets used for forgings (Side Length, Dia \geq 50mm) shall be UT tested. For Acceptance Norm refer Cl.6.0. For finished bars this can be done at Final stage.
- 5) SS: All raw materials used in steel making including incoming scrap shall be checked by supplier to ensure freedom from radioactivity

3. DIMENSIONS AND TOLERANCES

Tolerances as per Drawing. Untoleranced dimensions for valve components as per VL:STDC:023(latest). Others as per drawing

4. HEAT TREATMENT(HT)

- 1) CS: SA 105: Normalised, SA 350 LF 2: Normalised at 880-900 °C & Tempered at 620-640 °C
 AS: Normalised and Tempered.
 For SA 182 F91, F92 & F23, SA336 F91 Normalising temperature : 1050-1080 deg C & Tempering temperature :730-780 deg C.
 AISI 410: Supply in Quenched & Tempered condition as below.
 Quenching at 955-1010°C in air or water or oil or Polymer. Soaking 30 mts/inch maximum thk. Tempering at 663°C.min. Soaking :60 mts/inch maximum thickness and air cool.
- 2) Photomicrograph test for F91 & F92 forgings - one per heat treatment lot per size and reported in test certificate.
Acceptance – The material shall be free from any micro fissures. Microstructure shall show lathe tempered martensite and also to be examined for grain growth. Photomicrograph with 500x (Min) magnification along with Photomicrograph report to be provided. The actual magnification and result of actual microstructure shall be certified/indicated.

5. MECHANICAL TESTS

- 1) Extent of test: for each size/heat/HT batch from sample product or identical test coupon.
- 2) Additional requirements for SA182 F23, F91 & F92:
 F91: Yield: (0.2% offset): Min 450MPa; Tensile: Min 630MPa, Max 850MPa; Hardness(HB): Min 191, Max 250
 F92: Tensile: Min 655MPa, Max 850MPa; Hardness(HB): Min 196, Max 250
 F23: Tensile: Min 510MPa, Max 850MPa; Hardness(HB): Min 150, Max 220
- 3) AISI 410: Hardness 197-235 BHN. No other mechanical test required.
Additional requirements of tests: (Other than AISI 410 Only)
- 4) **Bend test: Acceptance as per IBR**
 CS: Sample 19mm.Thick(t) x 25.4mm width to be bent 180 deg. around mandrel of radius 6.35 mm.
 AS, SS: Sample 19mm.Thick(t) x 25.4mm width to be bent 180 deg. Around mandrel of radius =1.5 x t
- 5) **Impact test for QCNR Valves & CRHNR Valves:** CS, AS and SS: 1 / HT batch. As per ASTM A 370, 2mm Charpy-U notch, at Room temperature. Acceptance: Avg of 3specimens: 36J, Single Min: 24J
- 6) **CE-marking items** Charpy- V impact test at 20 deg.C as per ASTM A 370,
 Acceptance : Avg : 40 joules, Min. single value: 27 joules.

6. NON DESTRUCTIVE TEST

- 1) Extent of test: for each product. Stage of test : After heat treatment.
- 2) UT: As per ASTM A388 - All finished forgings of dia/WT = / > 50mm. All Body & yoke of special class valves.
 All forgings of SA 182 F91, F92 & F23, SA 336 F91: Acceptance: ASME Sec.VIII Div. 2 Cl.3.3.4.
- 3) MPI : 100% : As per ASTM E 709. Linear Indications like cracks, folds & other injurious defects are unacceptable.
 Dry MPI/ Wet MPI : CS, AS (other than SA182 F91, F92, SA 336 F91) : all sizes
 Wet MPI : SA182 F91, F92, SA 336 F91: all sizes.
- 4) LPI: for SS: 100%: ASTM E165, No linear indications acceptable.
- 5) SS: Finished forgings shall be checked for radioactive contamination and reported. Survey meter shall be used to measure at 5cm near the surface. Acceptance limits: Shall be less than 0.1 milli Rontgen (MR) per hr or 1 micro Sievert per hr.

7. WORKMANSHIP AND FINISH

Forged items to spec SA336 shall be machined in the inside surface as it is meant for steam application. Items to be proof machined as per drawing or shot blasted for CS/AS, Pickled & passivated as per ASTM A 380 for SS, & be free from scales & defects like laps, seams, folds, cracks, etc. Machined items (except SS) to be coated with a layer of transparent rust preventive before despatch.

8. REPAIR

Repairs by fusion welding are prohibited. Surface defects can be removed by mechanical means and defective areas smoothly dressed up with the adjacent surface. Minimum thickness after repair to meet drawing / Specification.

9. MARKING AND PACKING

Details of stamping on each item with low stress stamps: Heat number, Specification & grade, Maker's emblem/code & Inspection Authority's seal. Forgings to be properly packed and despatched to avoid damage during transit.

10. INSPECTION AND CERTIFICATION

10.1 The inspection and tests to be witnessed by an IBR approved inspecting agency, in case the Forge shop is not recognised as a "Well known Forger" under IBR. IBR Form III G countersigned by applicable inspection agency and Test certificate with following details, shall accompany the product (including proof machined). Well known Forger shall provide IBR Form IIF and Test certificate with following details, shall accompany the product (including proof machined):

1. Purchase Order No.(BHEL),TDC No. & Test certificate number.
2. Specification, Grade with applicable year of code, Heat Number, Drawing No.,Quantity & Size
3. Supplier of the steel used in making the finished product – Well known steel maker IBR Form IV & others Form IVA
4. Melting & forging process, Chemistry including incidental elements - Heat wise.
5. Heat treatment details of the material and test bars. For F91, F92 supplies – Photomicrograph at 500x resolution.
6. Mechanical test results, NDE test results with reference & acceptance standard.
7. Repair details if any, Certified copy of TC for starting material.
8. **For SS:** Measured Radioactivity levels shall be reported in the Mill Test Certificate. (Not to be recorded in IBR Form)

10.2 For CE-marking items the TCs with details specified above shall be submitted as per EN-10204 (latest)



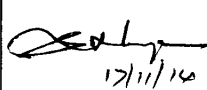


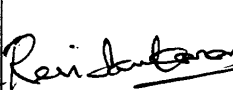
1. For pressure parts test certificates of type 3.1 or 3.2 is acceptable.
Type 3.1 – Suppliers shall have ISO 9001 certification certified by Notified Body recognized by European community and test certificate certified by suppliers authorized inspection representative.
Type 3.2 – Components inspected and test certificates certified by Notified Body recognized by European community.
2. For non pressure parts test certificates of type 2.2 is acceptable.
Type 2.2 – suppliers test certificates signed by suppliers authorized inspection representative with test results as required by TDC.

11. AUDIT CHECKS AT BHEL

BHEL reserves the right to carry out audit checks for chemistry, HT condition, mechanical test and NDT on representative test bars or job. Supplies found defective during check or subsequent processing at BHEL are liable for rejection.

12. END USE

Valve bodies, bonnets, discs, socket ends, body guides etc., Pressure part fittings in boilers & low, high temperature service like discs, socket weld tees, ells, weld neck flanges & stubs (except drum nozzles) meeting IBR, ASME Section I, ASME B16.34 and API. Non pressure part items in boilers and valves: For these, requirements on starting material, bend test and inspection by IBR are not required.

	 17/11/2014	 17/11/14	 17/11/14		
Haritha.C QA	Kalyanaraman.V QA	Selvarajan.S QA	Jayaraman.T MM	Raguraman.P MM	Revisankaran.U QA
Prepared	Reviewed			Approved	

Fax : 011-2306 2626



संख्या /No. 20/29/2009-Boilers

भारत सरकार

वाणिज्य और उद्योग मंत्रालय
(औद्योगिक नीति एवं संवर्धन विभाग)
उद्योग भवन, नई दिल्ली - 110107

GOVERNMENT OF INDIA
MINISTRY OF COMMERCE AND INDUSTRY
(DEPT. OF INDUSTRIAL POLICY & PROMOTION)

UDYOG BHAWAN, NEW DELHI-110107,
दिनांक/ Dated, the 8th October, 2013

To

1. All the members of the Central Boilers Board
2. All the Inspecting Authorities

Subject: List of recognised Inspecting/Competent Authorities, Well Known Steel Makers, Foundries/Forgings units, Tube/Pipe Makers, Material Testing Laboratories and Remnant Life Assessment Organizations under Indian Boiler Regulations as on 30th September, 2013.

Sir,

I am to forward herewith a copy each of the list of recognised Inspecting/Competent Authorities, Well Known Steel Makers, Foundries/Forgings units, Tube/Pipe Makers, Material Testing Laboratories and Remnant Life Assessment Organizations under Indian Boiler Regulations, 1950, as on 30th September, 2013 for your reference and record.

Thanking you,

Yours faithfully,

(S. K. Jain)

Development Officer &
Assistant Secretary, Central Boilers Board
Tel.No.011-23063166

Encl: "As above"

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for
5/12/13

(As on 30/09/2013)

INSPECTING AUTHORITIES

<u>NAME OF THE AUTHORITY</u>	<u>AREA OF OPERATION</u>
1. Director of Boilers, Andhra Pradesh	Andhra Pradesh
2. Chief Inspector of Boilers, Arunachal Pradesh	Arunachal Pradesh
3. Chief Inspector of Boilers Assam	Assam
4. Chief Inspector of Boilers Bihar	Bihar
5. Chief Inspector of Boilers Chhattisgarh	Chhattisgarh
6. Chief Inspector of Boilers, Delhi	N.C.T.D.
7. Chief Inspector of Boilers, Goa.	Goa
8. Director of Boilers, Gujarat.	Gujarat, Daman & Diu and Dadra & Nagar Haveli
9. Chief Inspector of Boilers, Haryana.	Haryana & Chandigarh
10. Chief Inspector of Boilers, Himachal Pradesh.	Himachal Pradesh
11. Chief Inspector of Boilers,, Jharkhand.	Jharkhand
12. Director of Boilers, Karnataka.	Karnataka
13. Director of Boilers, Kerala.	Kerala
14. Director of Boilers, Madhya Pradesh.	Madhya Pradesh
15. Director of Boilers, Maharashtra.	Maharashtra
16. Chief Inspector of Boilers, Meghalaya	Meghalaya
17. Chief Inspector of Boilers, Manipur	Manipur

- | | |
|--|---|
| 18. Chief Inspector of Boilers,
Mizoram | Mizoram |
| 19. Chief Inspector of Boilers,
Nagaland | Nagaland |
| 20. Director of Boilers,
Orissa | Orissa |
| 21. Director of Boilers,
Punjab | Punjab |
| 22. Chief Inspector of Boilers,
Labour Department,
Government of Puducherry,
Puducherry | Puducherry |
| 23. Chief Inspector of Boilers,
Rajasthan. | Rajasthan |
| 24. Director of Boilers
Tamil Nadu | Tamil Nadu |
| 25. Chief Inspector of Boilers,
Tripura | Tripura |
| 26. Director of Boilers,
Uttar Pradesh | Uttar Pradesh |
| 27. Deputy Director of Factories & Boilers
Uttarakhand | Uttarakhand |
| 28. Chief Inspector of Boilers,
West Bengal | West Bengal |
| 29. M/s. Lloyd's Register Asia
63-64, Kalpataru Square, 6 th Floor,
Kondivita Lane, Off. Andheri-Kurla Road,
Mumbai-400 059 | Tamil Nadu, Maharashtra
Karnataka, Gujarat, Haryana,
Himachal Pradesh, Punjab
& Andhra Pradesh |
| 30. M/s Bureau Veritas (India) Private Limited,
Marwah Centre, 6 th Floor,
Opp. Ansa Inds. Estate, K. Marwah Marg,
Off. Saki-Vihar Road, Andheri (East),
Mumbai-400 072 | Chhattisgarh, Gujarat
Maharashtra , Odisha &
Tamil Nadu |
| 31. M/s. TUV Nord Systems GmbH Co.KG.
Langemarckstr 20
451141 Essen
GERMANY. | Europe, Brazil, China, Korea
and Thailand |

- | | | |
|-----|--|--|
| 32. | M/s RSA
(Formerly Royal & Sun Alliance plc)
17 York Street,
Manchester, M2 3RS,
United Kingdom | Europe |
| 33. | M/s. Japan Inspection Company Limited,
No.10-7, 1-Chome, hatchobori, Chou-ku,
Tokyo, 104-0032, Japan | All countries in Asia except
India |
| 34. | M/s. S.G.S. Korea Company Limited,
Industrial Division,
647-2, Sinpyeong-dong,
Saha-gu, Busan,
KOREA (604-030). | Korea & Japan |
| 35. | M/s Bureau Veritas,
67-71, Boulevard du Chateau,
92200 Neuilly-sur-Seine,
FRANCE | All countries except India. |
| 36. | M/s. Lloyds Register Verification Ltd.,
71, Fenchurch Street,
London EC 3M, U.K. | All countries except India. |
| 37. | M/s. Velosi Certification Bureau Ltd.,
Unit 1 Woodside Business Park,
Whitley Wood Lane,
Reading, Berkshire, RG2 8LW
United Kingdom | Europe, Middle East
Countries, China, Malaysia
Singapore & USA |
| 38. | M/s TUV Rheinland AG
(Formerly: M/s TUV Rheinland Brandenburg P falz e.V.),
Am Grauen stein, D-51105 Klon,
Germany | Europe , Japan, China &
Korea |
| 39. | M/s OOO "TekhnoLogicheskieEnergostime"
1. Kalinia St. Belgorod, 308001
Russia | Russia, China, Ukraine, USA
& Germany |
| 40. | M/s Engineering Bureau Franke
International,
55, Amurskaya St.,
Dnepropetrovsk
49108, Ukraine | Ukraine, Russia, Belarus, China ,
Uzbekistan, Poland, Belgium, Romania,
& Czech Republic |
| 41. | M/s. ARISE Boiler Inspection &
Insurance Company Risk Retention Group,
Grand Bay 1, 7000 South Edgerton Road,
Suite 100, Breeksville,
OH 44141 USA | USA & Canada |

BHARAT HEAVY ELECTRICALS LIMITED
MM / PURCHASE - C&F
BHEL, Trichy – 620014

Annexure 2

Enquiry Terms and Conditions

Note: This annexure has to be mandatorily filled in and signed by the manufacturer (or) mill and submitted along with Technical bid

S.No.	BHEL Reuirements	Supplier Comments (Acceptance or otherwise for each point to be given)
1	<p><u>Material Specification:</u> Supply of Socket Welded Fittings shall be strictly as per the material specification mentioned against each item of the enquiry.</p>	
2	<p><u>Technical Conditions:</u></p> <ol style="list-style-type: none"> 1. Supply of Socket Welded Fittings shall be strictly as per the material specification mentioned against each item of the enquiry. 2. Supply shall be as per TDC 404/13. 3. Inspection by authorized inspection agency attached (Annexure 2). 4. TC in FORM IIIC, works TC, Raw Material TC, UT report, MPI report and other test certificates as called in TDC 404/31 shall be sent along with supply. 	
3	<p>Payment Term (Indigenous)</p> <p>1. Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials. Any deviation in the above payment term will attract loading as mentioned below.</p> <p>“Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.</p> <p>2. Offers of indigenous Suppliers with payment terms as LC / Advance Payment are liable for rejection.</p> <p>3. Payment through Bank is not preferred. In case of Payment through Bank is opted by Supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of Goods to Site/Stores with Consignee copy attached. In this case Loading will be 3% on the offered value.</p>	
4	<p>Payment Term (Imports)</p> <p>1. BHEL Payment term is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO, at BHEL bank. Respective bank charges to respective account.</p> <p>Any deviation in the above payment term will attract loading as mentioned below.</p> <p>“Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.</p> <p>2. In the case of Usance LCs the loading will be considered @ 1.5% on the offered Value.</p> <p>3. For LC at sight the loading will be considered @ 3.5% on the offered Value.</p>	

	<p>4. In case of LC, LC will be opened only on intimation of readiness of material for shipment. LC will not be opened prior to readiness of materials.</p> <p>5. Normally CAD at sight and Confirmed LCs are liable for rejection. However, if CAD at sight is accepted by BHEL, a loading of 5% will be done on the offered Value.</p>	
5	<p>Liquidated Damages / Penalty</p> <p>1. Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value</p> <p>2. Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).</p> <p>3. If LD is not accepted on total order value a loading of 10% on the offered value will be done.</p> <p>4. For FOB contract LD will be calculated from the date of TPI signature.</p>	
6	<p>Risk Purchase:</p> <p>BHEL at its 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 despatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute thereof. The supplier shall be liable for any loss which BHEL may sustain by reason of such risk purchases in addition to LD at the maximum rate mentioned in the LD clause above.</p>	
7	<p>BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.</p>	
8	<p>Fixed Price:</p> <p>Prices quoted by the bidder shall be fixed and not subject to any escalation whatsoever during the period of bid validity and execution of the Purchase Order. A bid submitted with an adjustable price will be liable for rejection. Prices shall be written in words and figures. In the event of any discrepancy with regard to total price and unit price whichever is less shall be considered correct. Unit rates quoted should include all the charges like third party inspection charges, packing & Forwarding etc. If the charges are shown separately, the same shall be in % of basic unit rate. No Lump sum charges shall be quoted.</p>	
9	<p>Bid Currency:</p> <p>1. Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit their bid in their preferred currency.</p> <p>2. For evaluation, Exchange rate (TT selling Rate of SBI) as on Techno-Commercial bid opening date shall be considered.</p> <p>3. Suppliers to quote their rates on FOB/Load Port basis only for the below ports clearly mentioning their preferred type of Loading (Containerised Cargo or Break Bulk cargo).</p>	

	<p>* The available load ports for FCL (Full Container Load) Cargo in Freight Contract are Antwerp, Hamburg, Genoa, Rotterdam, Bilbao, Gothenberg, Felixstowe, St.Petersberg, Busan, Dalian, Shanghai, Kobe, Osaka, Yokohama.</p> <p>* The available load ports for LCL (Less than Container Load) Cargo in Freight Contract are Antwerp, Hamburg, Genoa, Rotterdam, Bilbao, Gothenberg, Felixstowe, Thamesport, Tilbury, Le Harve, St.Petersberg, Busan, Masan, Dalian, Shanghai, Tianjin, Kobe, Osaka, Yokohama, Singapore, Durban,</p> <p>* The available load ports for BB (Break Bulk) Cargo in Freight Contract are Antwerp, Hamburg, Genoa.</p> <p>4. For FOB contract delivery period mentioned shall be the date of TPI signature.</p>	
10	<p>Validity:</p> <p>1. The offers shall be kept open for acceptance for 90 days from the date of Tender opening. Once the tenders are submitted, rates cannot be changed on any grounds.</p> <p>2. BHEL reserves the right to negotiate L1 rate or re float the tender opened if L1 price is not the lowest acceptable price to them inter-alia other reasons.</p> <p>3. Any other conditions which might have been quoted by the seller and are in contravention to the terms prescribed in the order and which have not been specifically accepted in by purchaser will not be applicable to the contract.</p>	
11	<p>1. Bidders shall submit the OFFER in English language (a single envelope containing two inner envelopes) as indicated below:</p> <p>Envelope 1: This sealed envelope should contain</p> <p>(a) technical bid</p> <p>(b) un-priced commercial bid (copy of the Priced Bid without the price details)</p> <p>This envelope should be clearly marked "Part I – Technical and Un-priced commercial bid, indicating Enquiry No., Due Date, Address & Reference of the Bidder.</p> <p>Envelope II: This sealed envelope should contain price details. This envelope should be clearly marked "Part II - Price bid", indicating Enquiry No., Due Date, Address & Reference of the Bidder.</p> <p>2. The OFFER, sealed and Super scribed as "Parts I & II inside" indicating Enquiry No., Due Date, Address & Reference of the Bidder should reach this office on or before the due date by 14:00 Hrs (IST). OFFERS RECEIVED AFTER 14:00 Hrs (IST) WILL NOT BE CONSIDERED FOR EVALUATION.</p> <p>The OFFER to be addressed to:</p> <p>Sr. MANAGER / PURCHASE - C&F / MM 4th Floor - Building 24 BHARAT HEAVY ELECTRICALS LIMITED HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620 014 TAMIL NADU, INDIA.</p> <p>Note: Bidders are requested to submit their offers only through sealed bids.</p> <p>3. Bidders may submit their bids through email/fax etc.</p>	

4. BHEL prefers the manufacturers to quote directly. In case this is not possible and the offer is being submitted by an Indian agent, the following details are to be furnished along with the offer:

a. The letter from their Principal authorising the Indian agent to submit the offer on their Principal's behalf. In case the Indian agent submits offer on their own letter head then a covering letter (in original) from the Principal should be enclosed, clearly mentioning that they are bound by the offer submitted by the Indian agent on their behalf.

b. Precise relationship between foreign suppliers and their Indian agents and their mutual interest in business, should be clearly spelt out.

c. Any payment, which the agent receives in India or abroad, from the foreign supplier, whether as a commission or as a general retainer fee is to be mentioned in the offer.

d. All services to be rendered by the agent, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier and the Indian agent.

e. The amount of agency commission agreed to between the foreign principal and the Indian agent should be specifically disclosed and the agency commission will be paid in Indian Rupees only on satisfactory completion of the contract.

f. Copy of current agency agreement is to be enclosed without which the offer is liable for rejection.

The correspondence between the bidder and BHEL through email is considered to be valid document legally though not signed. It is treated as valid confirmations made on behalf of the respective company and comes under the legal ambit of the business transaction and hence binding on both the parties.

Bidders participating in the tender should declare in their technical bid whether they have been black-listed / kept on hold / given Business holiday for a specified period by any Public Sector Undertaking or Government Departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to BHEL. If no such details are mentioned in the offer, it will be construed that the bidder is not under any such hold. However, at a later date if it comes to the notice of BHEL about any such hold under enforcement, BHEL reserves the right to reject the offer at any point of time and also under any stage of the finalisation of the tender. Such bidders will not be permitted to participate in the further tender proceedings and will be communicated suitably.

Any other conditions which might have been quoted by the seller and are in contravention to the terms prescribed in the order and which have not been specifically accepted in by purchaser will not be applicable to the contract.