



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MATERIALS MANAGEMENT

TITLE BURST TEST PUMP & ACCESSORIES	Phone: +91 431 257 7876 Fax : +91 431 252 0719 Email : prateekkumar@bheltry.co.in
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	Reference Number: Enquiry 1801700207	Enquiry Date: 14.02.2017	Due date for submission of quotation: 14.03.2017
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			

BHEL/Trichy is looking for empanelment of new vendors for supply of "BURST TEST PUMP AND ACCESSORIES AS PER ATTACHED SPECIFICATION"

BHEL commercial terms & conditions and all annexure 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 enquiry reference "1801700207"	
Tenders should reach us before 14:00 hours on the due date Technical bid will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.	Yours faithfully, For Bharath Heavy Electricals Limited Engr/ MM/BOI

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 : 0431-2574111
GRAMS : BHARATELEC
FAX NO: 0431-2520719
E-mail :
Web :

429-002/A

OFFICE COPY**Collective No.**

1801700207

Enquiry Date

14.02.2017

**Due Date For
Quotation**

14.03.2017

Please quote Enquiry No, Date and due date in all
correspondences.
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Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	L247291099901002 PUMP PULSATION DAMPENER	NO	1.000	1.00	19.03.17
20	L247291099901003 DIGITAL PRESSURE GAUGE DIGITAL PRESSURE GAUGE Two for pump pressure measurement another two for outlet line pressure measurement (Refer Scheme of tube burst test).	NO	2.000	2.00	19.05.17
30	L247291099901005 SHUT OFF VALVE	NO	1.000	1.00	19.03.17
40	L247291099901006 PANEL METER	NO	1.000	1.00	19.03.17
50	L247291099901007 SAFETY VALVE	NO	1.000	1.00	19.05.17
60	L247291099901009 HIGH PRESSURE RELIEF VALVE	NO	1.000	1.00	19.05.17
70	L247291099901010 CONTROL PANEL	NO	1.000	1.00	19.05.17
80	L247291099901011 WINDOWS BASED SOFTWARE	NO	1.000	1.00	19.05.17
90	L247291099901012 HIGH PRESSURE OUTLET	NO	1.000	1.00	19.05.17
100	L247291099901013 HIGH PR FITTING, PIPING HIGH PR FITTING, PIPING HIGH PRESSURE FITTING, PIPING BETWEEN HIGH PR PUMP, HIGH PR RELIEF VALVE & TEST SPECIMEN	NO	1.000	1.00	19.05.17
110	L247291099901014 PRE FILLING PUMP	NO	1.000	1.00	19.05.17
120	L247291099901016 HIGH PRESSURE PUMP	NO	1.000	1.00	19.05.17
130	L247291099901017 PROCESS MEDIUM / TEST FLUID	L	100.000	100.00	19.05.17

General Note:

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**

PRATEEK KUMAR JAIN
MANAGER, PURCHASE
(FOSSIL BOILERS)
Materials Management / BOI
BHEL, TIRUCHY - 620 014.



BHARAT HEAVY ELECTRICALS LIMITED

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HIGH PRESSURE BOILER PLANT
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TAMILNADU (INDIA)

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PROJECT: R&D projects

1. The Burst Test Pump and accessories shall be as per the specification no.PEB/PP/AUSC/BTPMP (9 pages).
- 2.Indigenous supplier shall be quoted Price on FOR -BHEL,Trichy stores basis only.
- Import suppliers to quoted their rates on CFR/Chennai Sea port basis.
3. Offer shall be submitted in Two Part Bid system i.e. Technical Bid alongd with commercial conditions and Price bid seperately though BHEL e-procurement route only.
4. Tender will be evaluated on total package basis.
5. Please submit Annexure-II (commercial terms & conditions), Annexure-III (Special Terms and conditions), Non disclosure Agreement dully filled, signed & sealed.
6. Risk purchase clause is applicable.
7. Prices shall be firm till the completion of supply, in case of order.
8. MSE vendors can avail intended benefits as per attached annexure "Micro Small and Medium Enterprises (MSE)-clause for NIT". #
In case L1 is non-MSE, L2 is MSE supplier satisfying the eligibility criteria (should have quoted within L1 rate +15%) and if they accept the L1 rate on counter offering, PO for the total package will be given to the L2 MSE vendor. In case of eligible L2 MSE vendor not accepting the L1 rate, we will take up with other eligible MSE vendors and so on.
- 9)BHEL representative from unit or Corporate Quality is authorised to carry out audits alongwith Third Party Inspection Agency at vendor's works before clearing the items for despatch
- 10) Documents submitted with the offer shall be signed and stamped in each page by authorized representative of the bidder. Documents not signed & stamped by the authorized signatory of the bidder shall not be accepted and considered for registration / evaluation of the bid etc.
- 11) Fraud Prevention Policy - The bidder along with its associate /collaborators / sub-contractors /sub-vendors/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.

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Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED


PRATEEK KUMAR JAIN
(FOSSIL BOILERS)
Purchase Department / BOI
BHEL, THIRUCHIRAPALLI - 620 014



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 PURCHASE DEPARTMENT - FOSSIL BOILERS
 THIRUCHIRAPALLI - 620014
 TAMILNADU (INDIA)

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Nodal officer under Fraud Prevention Policy is as follows

Mr Asokan D

General Manager/MM

Fourth Floor, Building 24

BHEL Trichy

Phone: 0431-2577575

Email: dasokan@bheltry.co.in

Enclosures:

1. Burst test pump specification No.PED/PP/AUSC/BTPMP
2. Annexure I (Procedure to participate in EPS)
3. Annexure-II (Commercial Terms & Condition)
4. Annexure-III (Special terms & Conditions)
5. Non disclosure Agreement
6. MSE Clause
7. Gateway Airport list
8. CA certificate format

"LD clause has to be confirmed without fail."

The bidder along with its associate / collaborators / sub-contractors / sub-vendors / 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.

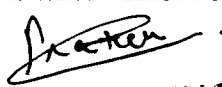
PR Links

Material.	PR.No	PR.Item.	Quantity	Acc. Assign	Customer Number
L247291099901002	116885131	00030	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901003	117396933	00090	2.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901005	116885131	00060	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901006	116885131	00010	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901007	117396933	00100	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901009	117396933	00080	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901010	117396933	00010	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901011	117396933	00020	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901012	117396933	00030	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901013	117396933	00040	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901014	117396933	00050	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901016	117396933	00060	1.000	J1/2472-RD-028-9-10-999	J1/2472
L247291099901017	117396933	00070	100.000	J1/2472-RD-028-9-10-999	J1/2472

list of suppliers

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Yours faithfully,
 For BHARAT HEAVY ELECTRICALS LIMITED


PRATEEK KUMAR JAIN
 (FOSSIL BOILERS)
 Materials Management / BOI
 BHEL THIRUCHIRAPALLI - 620014



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TAMILNADU (INDIA)

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23505

RFQ-5200005690

Open Tender Dummy Code

The offers should reach us 30 minutes before the time of opening of tenders.
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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


PRATEEK KUMAR JAIN
MANAGER, PURCHASE
Materials Management / BOI
BHEL, THIRUCHIRAPALLI - 620 014.

ANNEXURE-I

PROCEDURE TO PARTICIPATE IN E-PROCUREMENT

BHEL Trichy has implemented e-Procurement (www.bheleps.buyjunction.in) and it is going to be the way of working in future.

Interested bidders / Suppliers shall submit their offer through e-Procurement mode at <https://bheleps.buyjunction.in>. Offers in any other mode will not be accepted.

The Requirement:

1. A PC with Internet connectivity &
2. DSC (Digital Signature Certificate) (**Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION**)

The following are the benefits of e-Procurement Process.

1. Ensuring no offer is missed due to last minute submission, postal delays etc.
2. Reduced Tendering & ordering cycle time
3. Economical, smoother & speedy communication
4. Greater Transparency
5. Big step towards paperless procurement process, Minimal human error
6. No geographical barriers
7. Vendor gets alerts regarding issue of new tender enquiry, amendments, clarifications etc
8. Submission of offer from the comforts of their office from any location
9. on line clarifications
10. Direct Cost Savings such as reduced Paper costs, reduced printing costs, reduced mailing costs, reduced telephone costs and reduced fax costs.

BHEL has finalized the e-procurement service Provider

M/s mJunction services Limited, Kolkata

Godrej Water Side, 3rd Floor, Tower-1, Plot-V, Block - DP
Sector - V, Salt Lake, Kolkata-700091, West Bengal, INDIA

Please get in touch with them immediately. The contact details of the service provider is given below:

- a. DHANARAJ.P email: panneer.dhanaraj@mjunction.in, Cell 9500199108
- b. HELPDESK email: eps.customercare@mjunction.in, Phone No: 033-66106426/6217/6013/6046/6176, 9163348283 / 9163348284 / 9163348285 / 9163348286 / 8584008116

The process of utilizing e-procurement necessitates usage of DSC (Digital Signature Certificate)(**Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION**) and you are requested to procure the same immediately, if not presently available with you. Please note that only with DSC, you will be able to login the e-procurement secured site and take part in the tendering process. The contact details of the DSC Certifying Authority as given below

1	e-Mudhra	http://www.e-Mudhra.com	5	NIC	www.safescrypt.com
2	GNFC	www.ncodesolutions.com	6	Safescrypt	www.safescrypt.com
3	IDRBT	www.idrbtca.org.in	7	TCS	www.tcs-ca.tcs.co.in
4	MTNLTrustline	www.mtnltrustline.com			

Vendors are requested to go through seller manual available on www.bheleps.buyjunction.in

BHARAT HEAVY ELECTRICALS LIMITED
PURCHASE / MM / BOI
BHEL / TRICHY

ANNEXURE-II

ENQUIRY CONDITIONS FOR Supply of Burst Test Pump and accessories

Note: This Annexure has to be mandatorily filled & signed by the manufacturer (or) mill and submitted along with Technical Bid. Any deviation to the below mentioned terms shall be stated specifically in the comments column for each term and also in case of acceptance to our terms, it will be construed that the whole term is understood and agreed in totality without any deviation (if otherwise mentioned) .

Sl No	BHEL Requirements	Supplier Comments (Acceptance or otherwise for each point to be given)
1	Supply of Burst Test Pump and accessories used for High pressure testing unit (7000 Kg/sqcm) and shall be as per the enclosed specification No. PEB/PP/AUSC/BTPMP (9 Pages). This specification copy - filled in, sealed and signed to be attached mandatorily along with the offer.	
1.1	The scope includes supply, installation, start-up and commissioning of the Burst test pump at BHEL, Trichy, India premises	
1.2	Training to be done in BHEL, Trichy immediately after installation and start up of the machine.	
1.3	Supplier to quote for commissioning spares and special tool required for Burst test pump	
1.4	Supplier to quote separately for high pressure fittings, piping between high pressure pump, high pressure relief valve and test specimen.	
1.5	Scheme for the Tube burst test to be provided by the supplier.	
2	Payment terms: 2.1 Indigenous a) Payment term is 100% direct EFT payment after 45 days from the date of receipt and acceptance of materials. For Infn: Any deviation in the above payment term will attract loading as mentioned below. "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. b) Offers of indigenous Suppliers with payment terms as LC / Advance Payment/ BOE are liable for rejection.	
	2.2 Import a) 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. For Infn: Any deviation in the above payment term will attract loading as mentioned below. "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. b) In the case of Usance LCs (45 days from the date of receipt of documents, specified in PO, at BHEL bank) the loading will be considered @ 1.5% on the offered Value. c) For LC at sight the loading will be considered @ 3.5% on the offered Value.	

	d) If the LC payment is insisted, TWO sets of original TCs to be submitted prior to dispatch and a certificate to that effect from BHEL should form a part of the documents to be negotiated. If this condition is not complied by the vendor, the offer is liable for rejection.	
	e) Specify the Quoted currency	
	f) Normally CAD at sight and Confirmed LC's are liable for rejection.	
<i>Note: LC will be opened one month prior to material readiness. Hence supplier shall intimate the material readiness accordingly for opening of LC. LC validity period will be 90 days and for any extension applicable charges will be deducted from your bills. This is for your kind info.</i>		
3	Delivery Terms: The offer shall clearly indicate delivery period in fixed number of weeks/Months from the date of Purchase Order. Our delivery requirement is 3 months from the date of Purchase order.	
4	LD Clause Confirm acceptance for Delivery of the goods specified in the purchase order should be made within the time prescribed. Failure to dispatch the materials in the time as per the delivery quoted in our Purchase Order would make the supplier liable to an un-conditional LD at the rate of 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. For Info: 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). Loading will be done for deviation. Loading value = (Mentioned LD in the enquiry - Accepted LD in the offer by the vendor) in % x Base value Imports: FOB order- LD will be calculated based on date to cargo readiness (i.e., final inspection agency's signed date in the test certificate)" Indigenous: FOR order - LD will be reckoned from the date of LR/Invoice whichever is later. However inordinate delay in delivering the materials will not suffice the case.	
5	Offer Submission: 5.1 Indigenous: 1. Submit your FIRM competitive offer - (basic price & freight) with best possible delivery on FOR BHEL-Trichy basis ONLY. 2. Price Variation Clause (PVC) is not acceptable and offer shall be rejected. 3. All Taxes, Duties, Service Taxes etc. payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No / Tariff No. etc., failing which the purchaser will not be liable for payment of such Taxes and Duties. Our TIN No. 33243560005, TNGST No. 3560005, CST. No. 239383 Dt. 11-06-1991 & BHEL ECC No. AACB4146PXM012, Assessment circle Tiruverambur. 3. Service tax, Octroi, Entry tax etc to be indicated in offer and is payable extra only on submission of documentary proof. 4. Any other extra charges like ED, CST/VAT etc. are to be indicated clearly. 5. The offer will be evaluated on total landed cost to BHEL, Trichy as below, Total landed cost = Base Price +Quoted Freight Charges (Vendor Scope) + applicable taxes + commercial loading as applicable+ Insurance charges (in BHEL Scope) - applicable tax credits 6. Offer shall be submitted in TWO PART bid system i.e Technical bid along with commercial conditions and price bid separately through BHEL e-Procurement route only. For Info: For interstate supplies C-Form will be issued 5.2 Imports: Offer shall be submitted on CFR/Chennai sea port basis. Material price & sea freight shall be indicated separately.	

	For CFR terms, moved through CONTAINERS (Suppliers should clearly specify this in their offer) it would be presumed by BHEL that the freight charges quoted is on LILO (LINER IN LINER OUT) basis including extra charges, if any, like Container Imbalance Charges, Trade Imbalance charges or any other charges payable to the Liner. No other charges other than the quoted Freight rate will be paid by BHEL excepting applicable Terminal Handling Charges, Container cleaning Charges, DO charges to Shipping Liner at Discharge Port. 14 FREE DAYS FOR Container detention shall be provided. If any deviation is taken by Tenderer, a loading of 22% on the freight rate per MT shall be considered by BHEL for arriving at the Total landed Cost. In case of shipment through Containers on CFR basis, the BL should bear the endorsement that "14 free days for Container Detention is applicable". Place of delivery - INTVT6 - CONCOR ICD should be clearly specified in the Bill of Lading.	
	The offer will be evaluated on total landed cost to BHEL-Trichy as below : Total landed cost = FOB + BHEL Freight+ Customs duty+ Import Incidentals + Commercial loading as applicable - applicable tax credits	
	Offer shall be submitted in TWO PART bid system i.e Technical bid along with commercial conditions and price bid separately through BHEL e-Procurement route only.	
	Note: 1. Exchange rate for converting such offers to INR will as SBI TT selling rate as on the date of Technical/Un-priced bid opening date in case of two part (technical + price bid) bid 2. Multiple PO may also be placed considering the applicable custom duty structure of the respective requirement/Qty.	
6	Guarantee / Warranty Period Guarantee clause 18 months from the date of supply or 12 months from the date of Commissioning of the equipment, Whichever is earlier.	
	Loading Criteria Guarantee / Warranty Period: No Deviation is permitted. If still vendor offered any deviation on the Guarantee / warranty period it may lead to rejection of offer.	
7	Performance Bank Guarantee: Submission of Performance Bank Guarantee as per the attached standard BHEL format is mandatory. 10% of material value as PBG shall be offered.	
8	Agency commission, if any should be clearly given in the offer (% on FOB).	
9	Repair & replacements With in the guarantee period, vendor has to replace / rectify the defective/damaged items on free of cost within a reasonable time of reporting from our end. All incidental charges like freight, insurance and customs duty are to vendor account only. The defective parts and components shall be collected by vendor's Indian agent or / authorized person, only after completing the replacement / repairs. Pl note that the defective parts / components will not be returned back to vendor works by us due to procedural problems.	
10	Indicate the Port of shipment	
11	Indicate the Mill (Name, Location) & Country of origin	
12	One Indian agent can represent one foreign principal only and submit one offer for these tender items. Note: In order to maintain sanctity of the tender system it is mandatory that one agent cannot represent two suppliers or quote on their behalf in a particular tender enquiry. If any agent represents more than one supplier, all such offers will be rejected.	

13	Agency Commission : a) In respect of offers from overseas suppliers, agency commission, if any, payable to their agents in India, shall invariable be shown separately in the Performa invoice & shall be declared in techno-commercial offer itself and this will be paid by us in India, in Indian rupees, on satisfactory completion of the contract. b) For calculation of rupee equivalent for agency commission, exchange rate as prevailing on the date of order will be taken.	
14	The due date mentioned in the enquiry is the date of opening of techno-commercial bid. After the scrutiny of technical bids, price bids of only technically accepted offer shall be opened with prior intimation.	
15	Offer is to be submitted in TWO part bids system in the E-Procurement portal. Scan copy of the filled Annexures, Tender documents etc., shall be uploaded in the EPS portal	
16	Offers for this enquiry will be accepted through e-procurement (EPS) route only. For EPS system vendors have to arrange their own digital signature (DSC). BHEL will not provide DSC to any vendor.	
17	Lowest Prices received against BHEL tender need not be the technically acceptable one and in that case BHEL reserve the right not to consider the same	
18	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	
19	Risk Purchase Clause: 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 dispatch 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. Confirm your acceptance.	
20	Bidders are requested to submit their best competitive prices at the first instant itself and no revision of prices will be entertained after the tenders are opened.	
21	MSE VENDOR: MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM, II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -1 where deemed validity of EM H certificate of five years has expired) 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 this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer.	
22	Tender Finalization: The tender will be finalized based on the total cost to BHEL and L1 vendor will be arrived accordingly.	
23	Validity of offer: 120 days minimum from the date of techno commercial bid opening.	
24	BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.	
25	For New Vendors (only offer of manufactures will be considered) a. It is suggested that for new suppliers (not registered with BHEL) may register through online portal http://www.supplier.bhel.in and submit all relevant documents. b. Offer from traders/stockist will not be considered. In case of foreign suppliers representing through their Indian/foreign agents, agency agreement should be submitted, along with registration documents else offer is liable for rejection. Agency	

	agreement requirements attached as separate file and full compliance to it shall be ensured while submitting the same.	
	c. Along with the offer document the following documents shall be submitted in part-I bid. i. Mandatory requirements (Supplier must submit the below mentioned documents or else offer may be liable for rejection): 1. Details of the mill with equipment & facilities. 2. Past 3 year audited financial report. 3. Agency agreement (in case of Foreign or Indian agents). ii. Additional details required (not mandatory and these shall be submitted additionally for establishing the credentials) 1. Recent D&B or Creditreform reports (In case of import vendor) of mill, foreign agent or principal. 2. Approval certificates issued by international agencies or your customers such as Lloyds, TUV etc. 3. Product catalogue and other related documents.	
26	Fraud Prevention Policy	
	Bidder along with its associate /collaborators /sub-contractors /sub-vendors / 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.	
27	Cartel Formation	
	All the firms should desist from forming cartel as the practice is prohibited under Section 3(3) (a) & (d) of the competition Act 2002. If any such instance is observed during this tender will attract disciplinary action as per BHEL policies.	
28	Authorisation for participation in EPS portal through DSC	
	a. E-Tender Participation requirements	
	Either Principal or authorised agent shall register their Digital Signature Certificate (DSC) (Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION). You are advised to pls go through the FAQ available in the web portal (https://bheleps.buyjunction.in). DSC shall be registered for the authorised person and all transaction done using that DSC against our tenders shall be taken as valid communication and shall be binding on principal/agent and is valid legally.	
	b. For foreign Principal	
	In case of Principal (being foreigner) they may apply for DSC through Indian embassy at their country and can register with us for participating in E-tenders. Details of the applicable procedure is available in the webpage http://www.cca.gov.in/cca/	
	c. For Indian agent	
	In case of agents participating/registering their DSC (of authorised person), it will be at the sole authorisation of principal to their agents to participate on their behalf and all transactions done using that DSC against our tenders shall be known as valid communication and shall binding on principal and is legally valid.	
	d. DSC Authorisation	
	Pls intimate the authorised person name, Mail ID for registering DSC with us to participate in E-Tenders	
30	Documents to be sent during dispatch required for Indigenous suppliers (after PO placement)	
	1. Invoice and LR.	
	2. One set of MTC, Original invoice (In case of VAT - Plus two copies, In case of CST - Plus one copy), LR copy shall be sent to MM/Purchase for bill processing.	
31	Documents to be sent during dispatch required for Import suppliers (after PO placement)	
	a. Airway Bill	

	b. Invoice, should show the description of the goods and the unit rate of each item as in the purchase contract. Against each item in the invoice and packing list, the serial number of the corresponding item in the purchase contract or as per order acknowledgement should be indicated. c. Packing list must indicate case identification, case dimension, and case contents, no of bundles, gross and net weight. d. Country of origin Certificate e. ALL TEST CERTIFICATES ARE TO BE SUBMITTED IN COMPLETE SET AS INDICATED IN OUR SPECIFICATION/QAP f. In case of Branch office / Liaison office in India bidding against this tender on behalf of their principal RBI clearance letter to be submitted. All the above documents should be submitted in triplicate & in all documents Contract No., L.C. No. and Import License No. are to be indicated.	
32	Execution of the Order	
	a. BHEL will have the option to pre-inspect the materials at Supplier's works by BHEL's own inspector or by third party agency appointed by BHEL or BHEL's end customer/s. The mere act of the pre-dispatch inspection (PDI) does not absolve the Supplier from giving the specifications as agreed upon in the Purchase Order. b. In the case of overseas suppliers Inspection call for carrying out the inspection shall be given 30 days before the scheduled contract delivery date. The Inspection date/s given by the Supplier shall be on firm basis. For local Suppliers the Notice period of Inspection shall be 10 working days. c. In the event of any short supply, it shall be the responsibility of the supplier to deliver such short supplied/ missing items on Free-of-Cost basis at BHEL stores, including customs clearances at Indian Ports in the case of foreign suppliers.	
33	Role of Agents:	
	a. BHEL will deal directly with manufacturers only. Offers from Traders & Stockist will not be considered. b. BHEL strongly discourages the engagement of Agents in India by foreign principals, to deal with BHEL, in BHEL's tenders. c. BHEL, due to business reasons would ban, would have banned Indian agents from dealing with BHEL. Any foreign principal who engages such a banned agent, or an employee of the banned agency, or any other person connected with the banned agency, at any time during the tender proceedings, would be disqualified from the tender proceedings. The decision of BHEL in this regard shall be final and be binding on the OEM. Hence in their own interests, prospective tenderers may check with BHEL, the status of their proposed agent vis-à-vis BHEL. d. In view of the requirement of BHEL, it is strongly suggested that in their own interest, foreign principals may desist from engaging any Indian agent and deal with BHEL directly and it is stressed that any Main producer proposing to deal with BHEL by engaging and through an Indian Agent does so at their own risk. BHEL shall in no way be responsible for any consequences that may arise to the foreign principal on account of the antecedents / actions	
34	Conditions for transportation:	
	In the event there is a delay by the Supplier in negotiating / submitting the document, any demurrage / wharfage arising out of the same shall be to the account of the Supplier and shall be deducted from the final payment. Also, in such cases, the Supplier shall authorize the transporter to freely release the consignment to BHEL by providing a "Surrender Bill of Lading".	
35	Resolution of Disputes	
	a. If dispute or difference of any kind shall arise between the Purchaser/Consignee and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations. b. If the parties fail to resolve their dispute or difference by such mutual consultation within 30 days of its occurrence, then, unless otherwise provided in the contract, either the Purchaser/Consignee or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per the Arbitration and Conciliation Act, 1996 of India.	

	In the case of a dispute or difference arising between the Purchaser/Consignee and a domestic Supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer in BHEL Trichy, appointed to be the arbitrator by the General Manager/MM BHEL Trichy. The award of the arbitrator shall be final and binding on the parties to the contract subject to the provision that the Arbitrator shall give reasoned award in case the value of claim in reference exceeds Rupees One lakhs (Rs. 1,00,000/-)	
	c. Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., BHEL Trichy.	
	d. Jurisdiction of the court will be from the place where the tender enquiry document has been issued, i.e., Trichy, India	
36	In the event of Force Majeure:	
	a. Notwithstanding the provisions contained in other clauses, the supplier shall not be liable for imposition of any such sanction so long the delay and/or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure. For purposes of this clause, Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable and not brought about at the instance of the party claiming to be affected by such event and which has caused the non – performance or delay in performance. Such events may include, but are not restricted to, wars or revolutions, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes excluding by its employees , lockouts excluding by its management, freight embargoes and Acts of GOD.	
	b. If a Force Majeure situation arises, the supplier shall promptly notify the Purchaser/Consignee in writing of such conditions and the cause thereof within twenty one days of occurrence of such event. Unless otherwise directed by the Purchaser/Consignee in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.	
	c. If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period exceeding sixty days, either party may at its option terminate the contract without any financial repercussion on either side.	
	d. In case due to a Force Majeure event the Purchaser/Consignee is unable to fulfil its contractual commitment and responsibility, the Purchaser/Consignee will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs	
37	General terms	
	1. Bids including all enclosures and supporting documents like catalogues, pamphlets, etc., shall be submitted / uploaded in ENGLISH language only. If the documents submitted have other than English language, translation of the same shall be provided for evaluation.	
	2. A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrantee that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages	
	3. All uploaded/submitted documents against this tender shall be signed in each page and sign shall be by principal / Mill.	
	4. Offers for part quantities on item level basis are not acceptable to BHEL. While tenderers can quote for some or all the tendered items, no supplier shall quote for partial quantity of any given enquiry item. Such partial offer would not be considered in the enquiry for that item.	
	5. Any clarification regarding tender shall be done before Part –I due date itself through EPS portal itself, and in case of immediate non-availability of DSC you can clarify through with the following mail ids prateekkumar@bheltry.co.in or mradha@bheltry.co.in The above mail id is provided for initial clarification purpose only and no further correspondences shall be entertained through this mail ids.	

6. Unloading of the materials is in the scope of BHEL. However Demurrages on account of delay in unloading due to improper packing, non-availability of proper dunnage, not adhering to the tender conditions and other reasons attributable to supplier shall be on supplier's accounts only.	
7. Applicable INCO term for this tender is INCOTERMS 2010	
8. Supplier has to submit the Non-Negotiable Document before the shipment reaches the port or else the demurrage and detention charges will be deducted from suppliers invoice.	
9. The supplier shall arrange for packing suitably in all respects for normal transport by air / rail / road and Materials shall be suitably protected against effect of tropical salt laden atmosphere in the event of shipment being delayed at ports / store yards. In case of dispatch through air then materials shall be shipped in Air worthy packing condition. Packing charges will be supplier's account.	
10.If any Supplier attempts to bribe, or pay commission, gift or any advantage or bring in undue influence either by himself or on his behalf any one including a stranger to the tender, in addition to instituting legal proceedings as per the extant laws prevailing, will disqualify the supplier from this tender and all future tenders of BHEL. Decision of the Purchaser would be final in this matter.	
11.In case the day up to which the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for the purchaser, the tender validity shall automatically be extended up to the next working day.	
12.In exceptional cases, the tenderers may be requested by the purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by EPS / e-Mail message. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original offer.	
13.Any of the terms and conditions not acceptable to supplier, shall be explicitly mentioned in the tender. Otherwise, it will be treated as that all those terms and conditions as mentioned in the tender are acceptable in Toto.	
14.Deviations shall be summarized and provided in a "Deviation Statement", listing the points and the deviation against each point.	
15.At its option, BHEL may consider extending the due date/s for the tender openings. Sufficient notice would be given by BHEL for such extensions and it will be published as corrigendum in following websites, > https://bheleps.buyjunction.in > http://tenders.gov.in > http://eprocure.gov.in	
16.The price break-up should be in line with technical specification / scope of the tender. (Cost of material, packing charges, forwarding charges, freight shall be shown appropriately, as applicable). Insurance in BHEL scope.	
17.In case, there is a discrepancy in the term quoted in techno-commercial bid and price bid, the term as per the techno-commercial bid (Part I) shall hold good and the commercial term quoted in the Price Bid (Part II) shall not be considered.	
18.Indigenous suppliers should submit the prices in Indian Rupees only. Import suppliers may submit their bid in foreign currency. The currency for quoting shall be selected from the drop-down menu provided.	
19.In their own interest, all Tenderers are advised to double check their prices, applicable duties and taxes. Incomplete documents / offer will be rejected.	
20.Evaluation of offer	
a. The price bids including the impact price (if any) of the technically acceptable offers alone shall be opened.	
b. Offers with pre-conditions (like conditional discounts) for price are liable to be not considered / rejected. For evaluation such conditions would be removed and only the base offer would be considered for evaluation and comparison.	
c. For suppliers within Tamil Nadu state, as per prevailing VAT Act, VAT input credit is currently 5%. For suppliers from other Tamilnadu 2% CST will be paid against C-Form.	
d. BHEL reserves the right to reject an offer due to unsatisfactory past performance during tender finalisation / execution of a contract at any of BHEL projects /	

	units or if unsatisfactory performance report is received from the party/s referenced by the supplier at any time during tender finalisation.	
	e. BHEL reserves the right to conduct negotiations on the "Price" and "Other Commercial Terms and Conditions" with the lowest ranked offerer at any time after the bid opening but before the release of the Purchase Order and If so required by BHEL, Supplier may have to share their costing sheet with BHEL.	
	f. In the event of any change in scope / quantity arising out of the discussions, offerer would be given a chance to submit their revised offer / Impact bids. The option for the revised offer / impact offer will be triggered by BHEL. The Supplier then will have the facility to feed-in the revised price / impact price as per the provision given by BHEL. The impact price can be positive or negative (or nil). The impact price option shall contain only the price addition / deletion for such change in the scope / quantities, over and above the original scope and price quoted. The original price quoted would remain unchanged. The total price would then be computed by the arithmetic addition of the original price and the impact price. Where BHEL gives the option of submitting the revised offer, the impact would be computed as the arithmetic difference of the revised price and the original price	
	g. Unless otherwise specified, evaluation will be on individual line item basis only and ordering will be on respective L1 vendors	
37	Signed copy of THIRD PARTY NON-DISCLOSURE AGREEMENT (Annexure V) attached to technical bid.	
38	Patent Right The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.	
39	Caution: ➤ The suppliers are severely cautioned to note that the price bid document accepts the price in figures only. It does not allow the supplier to write the value by words. Therefore all care shall be exercised by the supplier while filling in the figures. Once the price bid is opened no option is available for the supplier to retract the offer under any grounds. If a supplier, for any reason whatsoever approaches BHEL with a request for change in the price, it would be treated as going back on the offer submitted. In such cases, action would be initiated by BHEL for suspending further business dealings with such suppliers as per policy of BHEL which prevails at that point of time. ➤ The language in the tender documents downloaded by the Bidders shall at no point of time be changed, altered or modified in any manner by the Tenderer. If such changes are made by any tenderer, it shall be considered as tampering with BHEL's terms and the offer shall be summarily rejected, whenever it is noticed by BHEL. Such Bidders would be disqualified from the Bidding Process and their offers would be forfeited / Bank Guarantees invoked. They would also not be allowed to participate in future tenders of BHEL.	
40	In the event of our customer order covering this tender being cancelled /placed on hold / otherwise modified, BHEL would be constrained to accordingly cancel / hold / modify the tender at any stage of execution.	
41	Offers shall be submitted in TWO PART bids system (TECHNO-COMMERCIAL BID + PRICE BID).The bidder shall submit his response through bid submission to the tender on e-procurement platform at https://bheleps.buyjunction.in within 14:00 Hrs (GMT +05:30) of the due date of this tender. The bidder would be required to register on the e-procurement market place https://bheleps.buyjunction.in and submit their bids online. SEALED COVER BIDS/ E-MAILS / FAX / MANUAL OFFERS WILL NOT BE ACCEPTED. Supplier shall upload any other tender documents in the E-Procurement Portal only.	
On behalf of BHEL		To be filled & Signed by Original Manufacturer/Mill Name of the mill / Principal: Signature: (Affix Seal) (All conditions were read & clearly understood and agreed in totality with the mentioned deviations only)

Annexure III

MM/BOI/BHEL TRICHY

SPECIAL TERMS AND CONDITIONS

1. This tender is for the supply of Burst Test Pump & accessories shall be as per attached specification No. **PEB/PP/AUSC/BTPMP** (9 Pages).
2. This requirement is for R&D project and will be ordered as package L1 as indicated in the enquiry special instructions.
3. The tender shall be floated through e-Procurement system. The tender is in two parts. One part consisting of techno-commercial details and other with price details:

- (i) **Technical Bid** (Consisting of Technical Specifications viz. Product Specification Sheets/Brochures, OEM Certificate etc.) Bidders may name the files indicating the nature of content in pdf/zip format which would be required to be attached in e-tender.
- (ii) **Price Bid** – Prices to be quoted through e Procurement system only

For indigenous vendors prices shall be quoted on FOR/ BHEL Trichy basis, freight shall be quoted extra. Insurance shall be in BHEL scope.

For Import vendors prices shall be quoted on CFR/Chennai sea port basis, Materials price & sea freight shall be indicated separately.

A) Technical Tender (UN priced Tender)

All Technical details (eg. Eligibility Criteria requested (as mentioned below)) should be attached in e-tendering module, failing which the tender stands invalid & may be REJECTED. Bidders shall furnish the following information along with technical tender (preferably in pdf format):

- (i) Technical Bid (without indicating any prices).
- (ii) Tenderer/Agent who quotes for goods manufactured by other manufacturer shall furnish Manufacturer's Authorization Form. While giving authorization to agent, to quote on their behalf, manufacturer has to give the reasons for not quoting directly against this tender.

B) Price Bid:

1. Price Bid to be submitted through our e Procurement system.
2. The price should be quoted for the accounting unit indicated in the e-tender document.

Note: It is the responsibility of tenderer to go through the Tender document to ensure furnishing all required documents in addition to above, if any. Any deviation may result in REJECTION of offer.

Annexure III

For any queries regarding tender you may contact

1) Mr. Prateek Kumar Jain
Engineer/MM/BOI
BHEL Trichy
0431-257876
prateekkumar@bheltry.co.in

2) Mr.M Radhakrishnan
Sr.Manager/MM/BOI
BHEL Trichy
0431-2574086
mradha@bheltry.co.in

4. BHEL reserves the right to increase or decrease the tendered quantity.
5. BHEL reserves the right to negotiate the L1 rate.
6. BHEL reserves the right to re-float the tender opened, if L1 price is not the lowest acceptable price to BHEL inter-alia other reasons.
7. Vendors have to confirm to the Annexure II - Commercial Terms attached.
8. Point wise confirmation to enquiry conditions are to be submitted with technical offer.
9. Inspection by BHEL or BHEL nominated agency shall be carried out at vendor's works prior to despatch.

Micro Small and Medium Enterprises (MSE) – Clause for NIT

In line with Gazette notification issued by Ministry of Micro Small and medium enterprises on MSE suppliers, the following special provisions shall be applicable.

20% of the tendered quantity is earmarked for MSE suppliers in this tender.

Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC / ST entrepreneurs.

In case MSE vendor participating in the tender quotes within the price band of LI + 15%, they will be allowed to supply the portion of the requirement subject to acceptance of LI price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.

MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either

1. EM II certificate having deemed validity (two years from the date of issue of acknowledgement in EM II) **or**
2. Valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limits as per the act for relevant status (MICRO or SMALL) where the deemed validity of EM II is over.

Date to be reckoned for determining the deemed validity will be the last date of technical bid submission (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 and MSE status of such suppliers shall be shifted to NON MSE suppliers till the supplier submit this documents.

Documents should be notarized or attested by a Gazetted officer.

Definitions of MSEs owned by SC/ST is under:

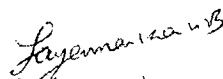
- *In case of proprietorship firm, proprietor must be SC/ST.*
- *In case of partnership firm, the SC/ST partners must be holding at least 51% shares in the unit.*
- *In case of private limited companies, at least 51% share must be held by SC/ST promoters.*

Authorised Offices to Issue SC/ST certificate.

The caste/Tribe/Community certificate issued by the following authorities in the prescribed form for SCs/STs can be considered.

- District Magistrate/Additional District Magistrate/Collector/Deputy commissioner/Additional Deputy commissioner/Deputy collector/1st class stipendary magistrate/Sub divisional Magistrate/Taulka Magistrate/Executive magistrate/Extra Assistant commissioner.
- Chief Presidency magistrate/Additional chief presidency magistrate/Presidency magistrate.
- Revenue Officer not below the rank of thasildar.
- Sub-Divisional officer of the area where the individual and / or his family normally resides.

To avail the benefits of MSE under SC/ST category, the related documents as stated above should be submitted along with tender documents.


(B. Manivannan)
DGM/OS
Prepared by

Certificate by Chartered Accountant on letter head

This is to Certify that M/S
(hereinafter referred to as 'company') having its registered office at
is registered under MSMED Act 2006, (Entrepreneur
Memorandum No (Part-II) dtd:.....,
Category: (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722(E) dated October 5, 2006 :
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:
Rs.....Lacs

(Strike off whichever is not applicable)

The above investment of Rs.....Lacs is within permissible limit of Rs.....Lacs forMicro / Small (Strike off which is not applicable)
Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/ Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is
(dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant

Schedule F

Details of Gateway Airport with applicable Foreign Currency and Airlines for FSC payment

Sch. No.	Country	CUR Code	Gateway Airport/s	Airlines with its Code For FSC Payment will be made	
D01	UK	GBP	London (Heathrow)	Air India	AI
D02	UK	GBP	New Castle	British Airways	BA
D03	UK	GBP	Oxford, Chetlam	British Airways	BA
D04	UK	GBP	Bristol, Wellingborough	British Airways	BA
D05	UK	GBP	Birmingham	British Airways	BA
D06	UK	GBP	East Midlands	British Airways	BA
D07	UK	GBP	Manchester	British Airways	BA
D08	UK	GBP	Leeds	British Airways	BA
D09	UK	GBP	Glasgow	British Airways	BA
D10	France	EURO	Paris (Roissy) & Lyon	Air India	AI
D11	Sweden	EURO	Stockholm	Emirates	EK
D12	Sweden	EURO	Göteborg & Malmö	Emirates	EK
D13	Italy	EURO	Rome, Milan	Carrier Used	Carrier Used
D14	Italy	EURO	Turin, Bologna, Florence	Carrier Used	Carrier Used
D15	Netherlands	EURO	Amsterdam, Rotterdam	Klm Airlines	KLM
D16	Austria	EURO	Vienna, Linz, Graz	Lufthansa	LH
D17	Belgium	EURO	Antwerp, Brussels	Singapore Airlines	SQ
D18	Denmark	DKK	Copenhagen	Cathay Pacific	CX
D19	Japan	JPY	Tokyo, Osaka	Air India	AI
D20	Singapore	SGD	Singapore	Air India	AI
D21	Canada	CAD	Toronto	Carrier Used	Carrier Used
D22	Canada	CAD	Montreal	Carrier Used	Carrier Used
D23	USA	USD	New York, Boston	Air India	AI
D24	USA	USD	Chicago	Carrier Used	Carrier Used
D25	USA	USD	San Francisco, Los Angeles	Carrier Used	Carrier Used
D26	USA	USD	Atlanta, Houston	Carrier Used	Carrier Used
D27	Germany	EURO	Munich, Köln, Düsseldorf, Hannover, Hamburg, Stuttgart, Darmstadt, Manheim, Nürnberg	Lufthansa	LH
D28	Germany	EURO	Frankfurt	Lufthansa	LH
D29	Germany	EURO	Berlin	Lufthansa	LH
D30	Switzerland	SFR	Basle, Zurich, Geneva	Swiss World Cargo	LX
D31	Spain	EURO	Barcelona	Emirates	EK
D32	Australia	AUD	Sydney	Qantas Airlines	QF
D33	Australia	AUD	Melbourne	Qantas Airlines	QF
D34	Australia	AUD	Perth	Qantas Airlines	QF
D35	Czech	EURO	Prague	Lufthansa	LH
D36	Hong Kong	HKD	Hong Kong	Air India	AI
D37	New Zealand	NZD	Auckland	Carrier Used	Carrier Used
D38	Russia	USD	Moscow	Carrier Used	Carrier Used
D39	South Korea	USD	Kimpo International, Incheon	Air India	AI
D40	Finland	EURO	Helsinki	Finnair Cargo	AY
D41	Romania	EURO	Bucharest	Carrier Used	Carrier Used
D42	Norway	EURO	Oslo	Carrier Used	Carrier Used
D43	Ireland	EURO	Dublin	Carrier Used	Carrier Used
D44	Israel	USD	Tel Aviv	El Al Israel	LY
D45	UAE	USD	Dubai	Air India	AI
D46	Oman	USD	Muscat	Air India	AI
D47	Egypt	USD	Cairo	Carrier Used	Carrier Used
D48	Taiwan	USD	Taipei	Carrier Used	Carrier Used
D49	Ukraine	USD	Kiev	Lufthansa	Carrier Used
D50	China	USD	Shanghai, Shenzhen	Carrier Used	Carrier Used
D51	Philippines	USD	Manila	Carrier Used	Carrier Used
D52	Malaysia	USD	Kuala Lumpur, Pe Nang	Malaysia Airlines	Carrier Used
D53	Cyprus	USD	Larnaca	Carrier Used	Carrier Used
D54	South Africa	USD	Johannesburg, Durban	Carrier Used	Carrier Used
D55	Slovakia	EURO	Bartissova	Lufthansa	LH
D56	Saudi Arabia	SAR	Riyadh	Saudi Arabia Airlines	SV
D57	Turkey	EURO	Istanbul	Turkish Airlines	TK
D58	Thailand	USD	Bangkok	Thai Airways	TG
D59	Brazil	USD	Sao Paulo, Rio De Janeiro	Emirates	EK

SECTION – XV

THIRD PARTY NON-DISCLOSURE AGREEMENT

I, _____, on behalf of the _____ (Name of Company), acknowledge that the information received or generated, directly or indirectly, while working with BHEL, Trichy on contract is confidential and that the nature of the business of the BHEL, Trichy is such that the following conditions are reasonable, and therefore:

I warrant and agree as follows:

I, or any other personnel employed or engaged by our company, agree not to disclose, directly or indirectly, any information related to the BHEL, Trichy Without restricting the generality of the foregoing, it is agreed that we will not disclose such information consisting but not necessarily limited to:

- Technical information: Methods, drawings, processes, formulae, compositions, systems, techniques, inventions, computer programs/data/configuration and research projects.
- Business information: Customer lists, project schedules, pricing data, estimates, financial or marketing data,

On conclusion of contract, I, or any other personnel employed or engaged by our company shall return to BHEL, Trichy all documents and property of BHEL, Trichy, including: drawings, blueprints, reports, manuals, computer programs/data/configuration, and all other materials and all copies thereof relating in any way to BHEL, Trichy's business, or in any way obtained by me during the course of contract. I further agree that I, or any others employed or engaged by our company shall not retain copies, notes or abstracts of the foregoing.

This obligation of confidence shall continue after the conclusion of the contract also.

I acknowledge that the aforesaid restrictions are necessary and fundamental to the business of the BHEL, Trichy and are reasonable given the nature of the business carried on by the BHEL, Trichy I agree that this agreement shall be governed by and construed in accordance with the laws of country.

I enter into this agreement totally voluntarily, with full knowledge of its meaning, and without duress.

Dated at _____, this ____ day of _____, 20__.

Name

Company

Signature

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT AND THE EXPIRY DATE OF BG MUST BE AFTER 60 DAYS FROM THE DATE OF COMPLETION OF WARRANTY PERIOD)

PERFORMANCE BANK GUARANTEE

In accordance of M/s. Bharat Heavy Electricals Limited (A Government of India undertaking, a company incorporated under the Companies Act 1956 having its Registered Office at "BHEL House", SIRI Fort, New Delhi 110 049) through its High Pressure Boiler Plant Division located at Tiruverumbur, Tiruchirapalli- 620 014 (hereinafter called 'the Company') having entered into a contract withhereinafter called 'the said contractor' which term includes 'suppliers' for the purpose of this Bond and under the terms and conditions of the contract No..... Dt Between BHEL, Trichy and as per the contract, the contractor / supplier is to furnish a performance Bank guarantee for Rs. for the due performance of the equipment to be supplied under the above referred contract and for the fulfillment of all the terms and conditions of the contract, We(indicate the name of the bank) (herein after referred to as the bank) at the request of (Contractor(s)) do here by undertake to pay the company an amount not exceeding Rs.....against any loss or damage caused to or suffered or would be caused to or suffered by the company by reason of any breach by the said contractor (s) of any of the terms and conditions contained in the said agreement.

2. We(indicate the name of the bank with full address), do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of breach by the said Contractor(s) of any of the terms and conditions contained in the said Agreement or by the reason of the contractor(s) 'failure to perform' the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs._____.

3. We undertake to pay unconditionally to the Company any money so demanded notwithstanding any dispute(s) raised by the Contractor in any suit, or proceedings pending before any Court or Tribunal or Arbitration or before any other authority relating thereto our liability under this present being absolute and unequivocal. The payment under this guarantee would not wait till the disputes have been decided by any Court or Tribunal or in the arbitration proceedings or by any other authority. The payment so made by us under this Bond shall be a valid discharge of liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We.....(indicate the name of Bank), further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till_____Office / Department/ Division of the Company certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. (I) Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable notwithstanding the fact that the said enforcement is effected after the said date.

(ii) For the purpose of this clause, any letter making demand on the Bank by M/s. BHEL dispatched by Registered Post with Ack.Due or by Telegram or by any Electronic media addressed to the above mentioned address of the Bank shall be deemed to be the claim / demand in writing referred to above irrespective of the fact as to whether and when the said letter reaches the Bank, as also any letter containing the said demand or claim is lodged with the bank personally.

6. We(indicate the name of Bank), further agree with the company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the company or any indulgence by the company to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating would, but for this provision, have effect of not so relieving us.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

8. It shall not be necessary for the company to proceed against the contractor before proceeding against the guarantor-bank and the guarantee herein contained shall be enforceable against them notwithstanding any security, which the company may have obtained or obtain from the Contractor shall, at the time when proceedings are taken against the guarantor hereunder be outstanding or unrealised.

9. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Tiruchirapalli.

10. The guarantor hereby declare that it has power to execute this guarantee and the executant has full powers to do so on its behalf under the proper authorities granted to him/them by the guarantor.

11. We(indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company in writing.

In witness whereof we....., (indicate the name of Bank) have hereunto setout Bank Seal the _____ day _____ month 200

BANK E-MAIL ID:

BANK PHONE NO.

BANK FAX NO:

HIGH PRESSURE TESTING PUMP UNIT (7000 Kg/sq.cm)**PART – A**

SI No	Requirements	Vendor's Response
1.0	QUALIFYING CRITERIA	
1.1	The BIDDER / VENDOR (OEM) shall have a minimum of TEN Years of Continuous Experience in the Design, Manufacture & Supply of “VERY HIGH PRESSURE PUMP UNITS – SINGLE / MULTISTAGE RECIPROCATING TYPE” . Vendor may indicate the actual no. of years of experience in the field	
1.2	Only those vendors (OEMs), who have manufactured, supplied and commissioned at least one “PUMP UNIT” having all the following features: 1. Type: RECIPROCATING HIGH PRESSURE PLUNGER / PISTON PUMP DRIVEN BY ELECTRIC MOTOR AND GEAR BOX 2. Medium: Water / Equivalent special liquids 3. Pressure: 5000 Kg/sq.cm or more in the past ten years are only eligible to quote. Such supplied machine should at present be working satisfactorily for at least one year after its commissioning (as on the date of opening of this Tender). The name and contact addresses of the customers to whom the equipment has been supplied has to be furnished with details.	
1.3	Vendor has to submit at least one Performance Certificate from their customers, for satisfactory performance of “PUMP” specified in clause 1.2 above, for a minimum period of one year (as on date of opening tender). For obtaining the Performance certificate, a suggestive format is provided at the end of part A of the specification.	
1.4	BHEL reserves the right to verify the above information provided by vendor. In case the information provided is found to be false/ incorrect, the offer shall be rejected.	
2.0	INFORMATION TO BE PROVIDED BY VENDOR	
2.1	The BIDDER / VENDOR to furnish Reference List of Customers, with complete address, details of contact person, where TEST Pumps have been supplied in the past with Pump capacity details for pumps supplied with pressure rating of 5000 bar or above.	
2.2	Specify details of TEST pumps supplied to other units of BHEL, if any (Year of commissioning, Type, Pressure, Motor Capacity etc.)	
2.3	Details on SERVICE-AFTER-SALES Set-up in India including the Address of Agents / Service Centres in India.	
2.4	Any Additional data to supplement the manufacturing capability of the BIDDER for the subject equipment.	

Suggestive Format of Performance Certificate:

The performance certificate should be produced on **Customer's Letter Head**.

PERFORMANCE CERTIFICATE

- | | | | |
|---|--|---|---------------------------------|
| 1 | Supplier of the machine | : | |
| 2 | Make & Model of the Machine | : | |
| 3 | Month & Year of Commissioning | : | |
| 4 | Machine Details | : | |
| | a) Type | | |
| | b) Drive motor capacity | | |
| | c) Medium | | |
| | d) Max. Pressure tested (Kg/sq.cm) | | |
| | e) Flow rate at maximum pressure in LPM | | |
| 5 | Performance of the pump unit
(Strike off whichever is not applicable) | : | Satisfactory / Not Satisfactory |
| 6 | After sales service
(Strike off whichever is not applicable) | : | Satisfactory / Not Satisfactory |
| 7 | Any Other remarks | : | |

Date:

Signature & Seal of the Authority
Issuing the Performance Certificate

PART B**TECHNICAL SPECIFICATIONS FOR HIGH PRESSURE TESTING PUMP UNIT (7000 Kg/sq.cm)**

S.No.	PARTICULARS	SPECIFICATION DETAILS	OFFER by BIDDER
1.0	APPLICATION :		
1.1	Purpose	a. To conduct Burst Test in open area in a pit for checking the strength and quality of tubes that are subject to cold bending which form parts of fossil Boilers b. Medium of testing: Potable water / DM Water / Special liquid equivalent to water. c. Tubes to be tested for burst pressure levels or max rated capacity of pump: • Dia 41.3 x 8.2 mm- 2500 mm long, Material: SA 213 T91 • Dia 38.1 x 9 mm- 2500 mm long, Material: SA 213 T91 • Dia 52 x 11.9 mm- 2500 mm long, Material: SB 167 N06617 Test specimens will be bent to U shape (180° bends)	Vendor to Confirm
2.0	EQUIPMENT CONFIGURATION & OPERATIONAL SEQUENCE		
2.1	Operational Sequence	a. The offered equipment shall have suitable positive displacement reciprocating high pressure pump driven by a suitably powered electrical motor. b. The source water / special liquid shall be connected to input line of the prefilling pump with suitable valves such that the output from pump will be used for pre-filling. c. The prefilling pump shall be switched off once the tube (job) is filled completely with proper venting to remove entrapped air if any in the line. d. The volume of liquid required will be roughly 100 litres per test. e. The high pressure pump also will be connected to the same water or liquid source for pressurizing. f. The high pressure outlet line from pump shall have a suitable connector. Connection at the outlet of the pump to be given to	Vendor to Confirm

		tube D51x15.1, SA 213 T91 and similarly to the outlet vent connection. Scope of vendor including fittings, pressure gauges, couplings, gaskets, etc is indicated in the attached sketch. g. The pump shall be run until the desired pressure is reached or the tube bursts whichever occurs earlier. The pump shall have suitable provision to immediately switch it off manually / automatically. h. Necessary pressure gauges Mechanical / electronic (transducer type with digital display to show the pressure while pressurizing. i. The pump shall have the necessary valves. Vendor to specify the details of valves with a circuit drawing in the offer. The system available in the equipment to indicate / record the burst pressure. Vendor to specify the complete details.	
2.2	Pressurizing unit	This unit shall have the following elements in position to have better flexibility of pump operation, to suit varying testing conditions : a) Reciprocating high pressure positive displacement Pump b) Pressure Gauges for the maximum test pressure c) Isolating Valve, Pressure Regulating cum Automatic Unloader Valve, Check Valve, Non-Return Valve, Stop Valve at Pump Inlet, Bleed Valve for Flow Control, By-Pass Valve, safety valve etc. d) Pulsation Dampener e) End connection of job: Welded end connections are envisaged at the inlet and outlet of the test specimen. Interconnecting tubes will also be supplied by BHEL from pump outlet to job inlet and job outlet to gauge point. f) Any other part / valve or element not stated above. (vendor to specify) g) The vendor can strike through any item from the above list	

		which is not figuring in their offered design. But the essential set of valves / other necessary parts/ elements must be supplied and fitted with the equipment to accomplish the testing up to 7000 bar.	
S.No.	PARTICULARS	SPECIFICATION DETAILS	OFFER by BIDDER
2.3	Electric Motor	The pump shall have independent on/off facility with suitable Horse Power rating. Star-Delta Starter, Reduction Gear Box (for pump) and all necessary accessories shall be supplied. Vendor to specify the H.P rating of the motor for pre filling and pressurizing pumps..	
2.4	Portability/Mobility	The complete unit shall preferably be mounted on a 4 wheel trolley with handle with sufficient spacing, lifting hooks and swivelling (front) cast iron wheels lined with hard rubber.	
2.5	Circuit Diagram	A Circuit diagram has to be submitted with the offer, showing the location of various elements with identification/ratings, to meet the requirements mentioned in Clause No.2.1.0.	
3.0	PUMP SPECIFICATIONS		
3.1	Working Principle(Pump Type)	Reciprocating Positive Displacement	
3.2	Maximum Pressure of the job to be tested	7000 Kg/cm ²	
3.3	Discharge Capacities	a. Flow rate of prefilling pump- Vendor to specify b. Flow rate of Pressurizing pump- Vendor to specify	
3.4	Type	Horizontal	
3.5	Number of Stages if any	Number of stages of high pressure pump- Vendor to specify	
3.6	Speed of the pump	Vendor to specify in strokes / min	
3.7	Pump Body	Material - Vendor to specify	
3.8	Pump Head	Material - Vendor to specify	
3.9	Plunger / piston	Material - Vendor to specify	

3.10	Sealing Elements	Material - Vendor to specify	
3.11	Bearings	Material - Vendor to specify	
3.12	Pump Delivery Control	A pressure regulator-cum-automatic unloader valve and the safety valve are to be provided at the delivery end of the pump to regulate the pressure from zero to the required pressure within the rated capacity.	
S.No.	PARTICULARS	SPECIFICATION DETAILS	OFFER by BIDDER
3.13	Pulsation Dampener	A suitable Alloy Steel Pulsation Dampener on the delivery line shall also be provided for smooth discharge / output during continuous operation.	
3.14	Valve Seats	All valve seats shall preferably be stellited for long life.	
3.15	Hydraulic Sealing	Vendor to specify	
3.16	Lubrication	Material - Vendor to specify	
3.17	Gear Box	Externally coupled Reduction Gear Box for pump.	
3.18	Test liquid requirement	Total liquid requirement for the tests will be approximately 400 litres.	
3.19	Compressed air line	The compressed air line available at BHEL has a pressure of about 60 to 70 psi only (4.5 bar). Vendor should make and supply suitable system to boost the air pressure to suit their requirement.	
4.0	ELECTRICAL (GENERAL)		
4.1	Input Supply	BHEL will provide input power supply at one point only and the supplier has to take care of all other electrical distribution network required for the Station.	
4.2	Cabling	All electrical motors, limit switches etc, on the machine shall be wired using PVC sheathed copper cable, running in conduits and converging to common terminal block.	
4.3	IP protection	IP54 protection for all electrics.	
4.4	ELECTRIC MOTOR SPECIFICATION for RECIPROCATING HIGH PRESSURE PUMP		
4.4.1	Motor Type	Vendor to specify	

4.4.2	Motor Rating	Vendor to specify the required HP to achieve the required flow and pressure to carry out the test.	
4.4.3	Input power	415 $\pm$ 10% V, 50 $\pm$ 2%Hz , 3 Phase AC, 3 Wire System (4 th wire for PE)	
4.4.4	Motor Make	ABB, SIEMENS/CROMPTON/BBL/GE/MITSUBISHI/TOSHIBA/KEC/BALDOR /Any other make acceptable to BHEL	
S.No.	PARTICULARS	SPECIFICATION DETAILS	OFFER by BIDDER
4.4.5	Motor Starter	STAR-DELTA starter of SIEMENS / L&T make /Any other make acceptable to BHEL	

5.0	REDUCTION GEAR BOX FOR RECIPROCATING HIGH PRESSURE PUMP		
5.1	Make	RADICON / ALLROYD / GREAVES /BONFIGLIOLI / Any other make acceptable to BHEL	
5.2	Reduction Ratio	Bidder to Specify (to suit the requirement)	

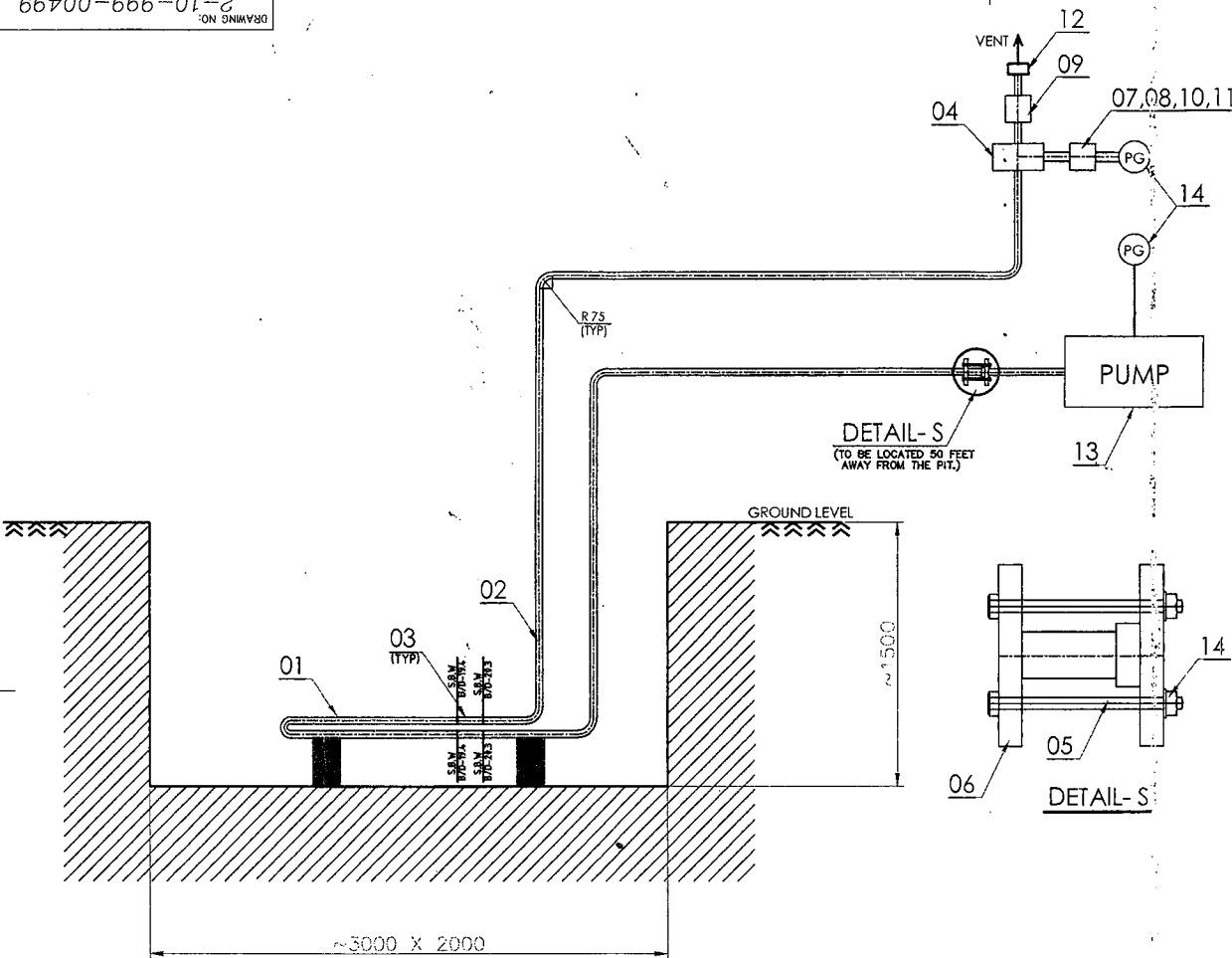
6.0	PRESSURE GAUGES		
6.1	Pressure Gauges	Suitable Pressure Gauge: 1 No. (Preferably Digital type)	
6.2	Pr. Gauge details	The gauge details such as dial size and accuracy shall be specified by the bidder.	
6.3	Make & Type	Vendor to specify	
6.4	End Connections	Vendor to furnish the detail of end connection.	

7.0	PAINTING: Painting of Equipment shall be RAL 6011 Apple Green (Polyurethane Paint). If the vendor has some other colour preference, the same shall be communicated to BHEL.		
8.0	SAFETY FEATURES		

8.1	Following safety features in addition to other standard safety features should be provided on the machine:		
8.2	Pipe & Cables	All the pipes, cables etc. should be well supported and protected.	
8.3	Moving parts	All the rotating/ Moving parts should be statically & dynamically balanced to avoid undue vibrations and suitably guarded.	
9.0	GENERAL		
9.1	Technical offer details	The offer shall contain clear Technical details for all the clauses of this specification. The offer will be liable for rejection, without offer details.	
S.No.	PARTICULARS	SPECIFICATION DETAILS	OFFER by BIDDER
9.2	G.A. Drawing	The offer shall contain a detailed General Arrangement Drawing with part Nos, description/specification and Material, and description in the Bill of material.	
9.3	Test report generation	The offer shall contain a detailed method of recording & generating test reports with burst pressure indication.	
9.4	Reference List	The offer shall positively contain the list of customers to whom pumps of 5000 Kg/sq.cm or more have been supplied and working satisfactorily.	
9.5	List of Spares	The offer shall contain a list of electrical and mechanical spares recommended by the vendor.	
9.6	Unpriced Bid	The Technical offer shall contain the UNPRICED BID giving the list of items quoted without unit rates. The commercial offer shall include the priced bid separately. XXXXXXXXXX	

9.7	INSPECTION	The pump shall be offered for pre-dispatch inspection by BHEL Engineers at supplier's works before despatch. Design features and Maximum test pressure of the pump unit shall be demonstrated by a suitable specimen test body by the supplier at Supplier's works. The following documents have to be submitted at the time of pre dispatch inspection: a) Hydro-pump test certificate(certified by vendor) b) Guarantee certificate for pump & Gear box c) Test Certificate for electric motor	
9.8	COMMISSIONING	The supplier shall depute his Engineers/ technicians for commissioning and performance prove-out of the equipment for the rated maximum pressure at BHEL works. Only successful prove out will be reckoned as commissioning.	
S.No.	PARTICULARS	SPECIFICATION DETAILS	OFFER by BIDDER
9.9	DOCUMENTATION	Three Hard copies (bound volume) of Operation and Maintenance Manual along with details of bought-out items, Assembly and sub-assembly drawings, specifications and make of electrical elements, etc., to be supplied along with the supply of machine. The O&M Manual should contain the following a) GA Drawing of the Pump(3 Hard copies) b) Sub-Assembly Drawings (without dimensions) for sub-systems for maintenance purpose (3 Hard copies) c) Electrical Wiring Drawings(3 Hard copies) d) Catalogues of all bought out items. (3 Hard copies) e) One set all the above documents in pen drive or CD	
10.0	GUARANTEE	Vendor shall provide a guarantee for a period of 12 months from the date of Commissioning of the equipment or 18 months from the date of dispatch, whichever is earlier	

66700-666-01-2
DRAWING NO.



DETAIL-S
(TO BE LOCATED 50 FEET
AWAY FROM THE PIT.)

DETAIL-S

VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	UNIT	UNIT WEIGHT	QTY	ZONE
	14	PRESSURE GAUGE							2	
	13	PUMP							1	
	12	CAP NUT WITH GASKET							1	
	11	GASKET							1	
	10	UNION NUT							1	
	09	CONNECTOR	4-10-999-06329			153394060000	A	0.275	1	
	08	TAIL PIECE	4-10-999-06328			153394040000	A	0.150	1	
	07	COUPLING	4-10-999-06327			153394060000	A	0.150	1	
	06	FLANGE	4-10-999-06331			159421570000	C	8.200	2	
	05	CONNECTOR	4-10-999-06330			153394050000	A	0.340	1	
	04	TEE PIECE	4-10-999-06326			154922742000	A	0.000	1	
	03	INSERT D38.1x9.1/D51x15.1	4-10-999-06332			154922742000	A	1.000	2	
	02	TUBE D51 x15.1 35000 LONG				154922742000	A	485.000	1	
	01	TUBE D38.1 x 9.1 2043.5 LONG	3-10-999-07169			154922040001	A	13.920	1	
VAR NO	ITEM NO	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	UNIT	UNIT WEIGHT	QTY	ZONE
VAR NO	ITEM NO	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL SPECN	UNIT	UNIT WEIGHT	QTY	ZONE

NOTES :

01. TESTING PROCEDURE : PG 180 & A 22 of ASME Sec. I
SIP : PP : 28/01
02. CALCULATED BURSTING PRESSURE : 5300 KG/Sq. CM
03. 105% OF CALCULATED PROOF PRESSURE : 5565 KG/Sq. CM
04. MEDIUM : WATER AT MIN. 30° C
05. P.G : PRESSURE GAUGE

REV	DATE	ALTERED :
01		CHG & APPD :
ZONE		

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT			
Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN S.SARKAR	SIGNATURE
DATE 03.04.2015		CHD R.B	DATE 04.04.2015
APPD R.B		DATE 04.04.2015	
DEPT PP	ALL DIMENSIONS ARE IN MM	PROJECTION SCALE NTS	WEIGHT (Kg)
CODE 121	REF TO ASSY / OLD DWG 2-10-999-00254/02		
TITLE SCHEME FOR TUBE BURST TEST		DRAWING NO : 2-10-999-00499 00	
		REV	

CAUTION: The information on this drawing is the property of BHARAT HEAVY ELECTRICALS LTD. It is to be used directly or indirectly in any way detrimental to the interest of the company.