



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 :2577938
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: tvenkat@bheltry.co.in
Web:

429-002/A

Enquiry No	Enquiry Date	Due Date for Quotation
2681600002 - 79	06.05.2016	01.06.2016

Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order.
Bid should be submitted in two parts. 1.Techno-commercial bid (Part-I) and 2.Price bid(Part-II) in a separate sealed cover and both covers must be placed in a third cover and sealed. Our Enquiry No., Enq. date & Enq. Due date must be written on all three covers.

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	FRP COOLING TOWER Design, Manufacture, Supply (Including additional accessories - Gate Valve), Installation and Commissioning of 100 M3 / hr (Per tower cooling Capacity) FRP Cooling Tower with motor assembly at Compressor House /Unit-II /BHEL works as per the Qualifying Criteria in ANNEXURE I and Scope of work and Specification as per ANNEXURE II.	NO	2.000	2.00	30.07.16

General Note:

- 1.Please submit your offer in "Two part bid system" i.e. Part-I: Technical Bid + Checklist (Annexure-A) + unpriced bid with indicating taxes & duties (Annexure-B) in a sealed cover super scribing on the cover as "TECHNICAL & COMMERCIAL BID / PART-I".
Part-II: Priced offer in another separate sealed cover super scribing on the cover as "PRICE BID / PART-II".
- 2.Point-to-Point confirmation to BHEL's specification and commercial terms & conditions shall be provided in Annexure-A. All the Annexures should be filled & submitted along with the technical bid (no row shall be left blank), else offer is liable for rejection.
- 3.Offer with validity less than 120 days and non-acceptance of LD/ RP clause, PBG & Payment terms will lead to rejection of offer.
- 4.All clarifications may be sought at least Ten days prior to tender opening due date, from the undersigned with due written request.
- 5.BHEL reserves the right to go for Reverse Auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms & conditions covering RA are given in Annexure-A (Point No. 18).
- 6.Corrigendum if any, with respect to this tender will be hoisted only in the website <http://www.bhel.com> or <http://tenders.gov.in>. Vendors are requested to visit the website regularly for updates.

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

R.I. PETER IRUDAYARAM MANAGER / PURCHASE
Senior Manager (FOSSIL BOILERS)
Materials Management / Yours faithfully,
BHEL, TIRUCHY - 620 014.



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7.Vendors are requested to avoid the following points while submitting the Bid documents:

- Loose or spiral bound bid documents are NOT encouraged.
- In case of any corrections/overwriting in the tender documents, the same shall be duly attested by the bid submitter.

8.List of Attachments:

- Qualifying Criteria - Annexure-I
- Technical Specification - Annexure-II
- Commercial Terms & Conditions - Annexure-A
- Price Format - Annexure-B
- CA certificate for MSE vendors.

All the tenders may be addressed to the following address:

**The Tender Opening Cell / MM
Room No: 26, Building 24, Ground Floor
Bharat Heavy Electricals Limited
TIRUCHIRAPALLI 620014**

In case personal delivery of the offer, it shall be dropped into the respective box kept in Room No: 26, after duly entering the data in the system.

Offers will be accepted only up to 14.00 Hrs on the due date. Therefore, vendors shall ensure to submit the offers well before this time. All due date extension requirements should be addressed to the respective Purchase mail IDs. All the due date extension requests from vendors will be considered only up to 48 hours before the due date and time.

Vendors are requested to avoid submission of offers through e mail / fax. In case of any unavoidable situation, offers shall be sent through e mail to the following mail ID only tender_cell@bheltry.co.in.

As tenders are being opened by Common Tender Opening Cell, offer covers should be sealed with tenderer's distinctive seal and super scribed with correct Tender No. item of supply and due date of opening.

The offers will be opened at 14.30 hrs on the due date of the 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.

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.

Enclosures:

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.

R.I. PETER IRUDAYARAJ
Senior Manager
Materials Management /
BHEL, TIRUCHY - 620014.

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,



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"LD clause has to be confirmed without fail."

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Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

R.I. PETER IRUDAYARAJ
Senior Manager
Materials Management /
BHEL, TIRUCHY - 620 014.

MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

Annexure - I		
Design, Manufacture, Supply, Installation and Commissioning of 100 M3 / Hr FRP Cooling Tower with motor assembly (Compressor House)		
SECTION-I QUALIFICATION CRITERIA		
THE BIDDER HAS TO COMPULSORILY MEET THE FOLLOWING REQUIREMENTS TO GET QUALIFIED FOR CONSIDERING THE TECHNICAL OFFER		
S.No	Description	Vendor to confirm
1	The bidder/vendor shall have a minimum of five years of continuous experience in Design, Manufacture, installation and commissioning of FRP Cooling Tower. Vendor shall indicate the actual no. of years of experience in the field.	
2	Only those vendors, who have Supplied and commissioned FRP cooling tower of capacity 100 m3/hr and above for at least to one company in the past five to ten years and such cooling tower should be working satisfactorily for a minimum period of one year after completion of installation of the system, as on the date of opening of this tender. However if such equipment had already been supplied to BHEL, then that equipment should be presently working satisfactorily for more than six months after its commissioning and acceptance (from the date of opening tender).	
3	The vendor should submit following details where similar equipment has been supplied for qualification of their offer.	
3.1	Name and postal address of the customer / company where similar equipment is commissioned.	
3.2	Name and designation of the contact person of the customer.	
3.3	Phone, FAX No. and E-mail address of the contact person of the customer.	
3.4	Along with Technical offer, the Vendor should submit performance certificate for minimum one year and capacity as mentioned in Sl. No :2 from minimum one customer for the satisfactory performance of the equipment supplied to them, in the customers letter head.	
3.5	The vendor should visit the site to ascertain the work content including cooling tower pedestal foundation matching details in existing sump before submitting the offer. Only those vendors who have assessed the site requirement before quoting shall be evaluated further or else the offer will be liable for rejection.	
4	DELIVERY: The bidder shall quote the best possible delivery. However the delivery shall not exceed 3months. The delivery period shall be reckoned from date of purchase order to despatch from the vendors work.	
5	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.	


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Annexure - II

Design, Manufacture, Supply, Installation and Commissioning of 100 M3 / Hr FRP Cooling Tower with Motor assembly (QTY: 2 Nos.)

Scope of work & Specification for Cooling Tower

Sl No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
1.0	Name of work			
1.1	Design, Manufacture, Supply (Including additional accessories - Gate Valve) , Installation and Commissioning of 100 m3 / hr (Per tower cooling Capacity) FRP Cooling Tower with motor assembly.			
1.2	Quantity	2 Nos		
2.0	Cooling Tower Specification			
2.1	Construction	FRP Cooling Tower, Induced draft, Counter Flow Design & Circular Profile		
2.2	Brand / Make of the cooling tower should be of Paharpur / Wet bulb / Gem / United only acceptable other makes are liable for rejection	Vendor to specify		
2.3	Model No.	Vendor to specify		
2.4	Installation	Outdoor Installation open to atmosphere and varying climatic conditions and in the existing tank at BHEL Site ,Trichy (Dist),Tamil Nadu.		
3.0	Operating parameters			
3.1	Design Capacity per one tower	Vendor to Specify		
3.2	Working / Cooling Medium	Water		
3.3	Water Flow rate (Per Tower)	100 m3/hr		
3.4	Water Inlet Temperature	42 Deg C (Max.)		

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Sl No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
3.5	Reduction in Cooling tower water Temperature (Hot water to cold water) Preferably between 7 to 10 Deg C	Vendor to Specify		
3.6	Mean Wet bulb Temperature	27.2 Deg C		
3.7	Evaporation Loss	Vendor to specify		
3.8	Drift Loss	Vendor to specify		
3.9	Total wetted Surface (in m2)	Vendor to specify		
3.10	Rating / Service	Continuous Opeartion (24 X 7)		
3.11	Cooling Tower Efficiency	Vendor to specify		
3.12	Noise Level	Vendor to specify		
4.0	Cooling Tower Fan Assembly			
4.1	Fan capacity (in m3/hr)	Vendor to specify		
4.2	Diameter of fan	Vendor to specify		
4.3	No of Blades	Vendor to specify		
4.4	Fan Type : i) Fan Should be propeller type, heavy duty baldes of FRP construction and balanced at rated RPM and shall be individually adjustable	Vendor to confirm		
	ii) RPM of fan	Vendor to specify		
	iii) Material of Fan Blade	FRP		
	iv) Material of Fan Hub	MS Galvanised		
	v) Type of balancing	Vendor to specify		
	vi) Fan Make: Paharpur / Wet bulb / Gem / United only acceptable	Vendor to specify		
5.0	Cooling Tower Fan Motor Details			
5.1	The motor should be directly coupled to the propeller fan.	Vendor to confirm		
5.2	Motor Make (Weather Proof)	Crompton Greaves / Hindustan /ABB / Kirloskar / Siemens / NGEF / Alstom are only acceptable other makes are liable for rejection.		

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Sl No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
5.3	Operation voltage, type & other details: Three Phase A.C, 50 Hz, 415 V(+/- 10 percentage), Squirrel cage induction motor and TEFC	Vendor to specify		
5.4	Motor Speed (in RPM)	Vendor to specify		
5.5	Motor Power (in kw/hp)	Vendor to specify		
5.6	Motor Current Rating	Vendor to specify		
5.7	Duty Cycle : Continuous	Vendor to confirm		
5.8	Insulation Class : F	Vendor to confirm		
5.9	Water & Dust Protection IP:55	Vendor to confirm		
5.10	Weather Cowl to be provided for motor	Vendor to confirm		
5.11	Frame size	Vendor to specify		
5.12	Motor should conform to Energy efficiency class IE2. Motor catalogue & Test certificate to be provided along with the offer. Offered motor should be compatible for usage with VFD.	Vendor to confirm		
5.13	Starter assembly with suitable size panel to be provided. Starters shall be of the makes Siemens, L&T, C&S, ABB, Schneider only. The panel shall have necessary indications for power, on, off etc. Drawing of the panel to be submitted along with the offer.	Vendor to confirm		
5.14	Detailed product catalogues, manuals and test certificates to be provided for motor at the time of supply.	Vendor to confirm		
6.0	Water Distribution System			
6.1	Nozzles: Easy Replaceable Nozzles to be provided	Vendor to confirm		
	1) Types Of Nozzles	Vendor to specify		
	2) No of Nozzles	Vendor to specify		
	3) Nozzle Materials	Polypropylene		
	4) Basic Outline Dimensions and Dimensions of Fills	Vendor to specify		
	5) Temperature withstanding of cooling tower fills should be upto 55 degree centigrade	Vendor to confirm		

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SI No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
6.2	Piping:			
	1) Inlet water Pipe Size to cooling tower (150 Class ANSI B16.5 Flange to be provided)	Vendor to specify		
	2) Outlet water Pipe Size to cooling tower (150 Class ANSI B16.5 Flange to be provided)	Vendor to specify		
7.0	Material of Construction:			
7.1	The cold water basin, basin cover, fan deck, fan cylinder and access door, motor cover shall be formed of inert glass-fibre reinforced polyester	Vendor to confirm		
7.2	Fan should be propeller type, heavy duty blades of FRP construction and balanced at rated RPM	Vendor to confirm		
7.3	Shell	FRP		
7.4	Fan Blade	FRP		
7.5	Fan Hub	MS Galvanised		
7.6	Fan Clamp, fan Guard, Nut and bolts	SS304		
7.7	Fills shall be flimtype, vacuum formed PVC and drift eliminators to be of PVC	Vendor to confirm		
7.8	Fills and drift eliminator Support	PVC coated GI Mesh		
7.9	Ladder and maintenance platform from ground level for access motor area to be provided (maintenance with its supports platform to be made of HDG Steel)	Vendor to confirm		
7.10	All Structures, headerpipes, motor supports etc.	MS Galvanised		
7.11	Sight Glass / Transparent Window to be provided to view the inside of cooling tower	Vendor to confirm		
	Note: The materials shall be corrosion proof and shall be able to operate in aggressive environments and resistant to water borne contaminates.			

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Sl No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
8.0	Additional Accessories: The following gate valve to be supplied along with the cooling tower			
	1) Gate valve used in the distribution system of the following Specification & quantity to be supplied	Vendor to confirm		
	2) Gate Valve - Size: 2"	4 Nos.		
	3) Gate Valve - Size: 4"	2 Nos.		
	4) Gate Valve - Size: 6"	2 No.		
	5) The Body of the valve should be	Cast Iron, Bolted Bonnet, The Valve ends should be flanged confirming to ANSI B 16.5 150 Rising Stem.		
	6) Design and Mfg Std:	API 600.		
	7) Inspection & Testing Standard	API 598/BS 6755 PT.1		
	8) Face to Face Standard	ANSI B 16.10		
	9) Material of Construction	Body, Bonnet, Gland- Cast Iron, Working Parts (Wedge, Seat) – AISI 410, Stem – S.S 410, Gland Packing- Graphite, Gaskets - Compressed Asbestos Fibre		
	10) Make of the valve	Audco / Fisher / MicroFinish / Fouress / Leader / Lehry / Hawa / Flowjet.		
9.0	Foundation Details:			
	1) Foundation bolts, nuts and Washers is in vendor's scope	Vendor to confirm		
	2) Required civil inputs to be provided to BHEL by successful vendor.	Vendor to confirm		

SI No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
10.0	Painting Requirement:			
	1) Corrosion and Temperature resistance paints (Preferably Sky blue) to be used, applicable for aggressive environments and resistant to water	Vendor to confirm		
	2) Application of Painting: Two coats of primer paints and two coats of final paints (Preferably Sky blue) to be applied.	Vendor to confirm		
11.0	The vendor may visit the site to ascertain the work content before submitting the offer.	Vendor to confirm		
12.0	Documentation			
	User manual to be provided (one softcopy + three sets of hard copies) including all applicable test certificates.	Vendor to confirm		
13.0	Fabrication should be done after drawing approval by BHEL. (GA drawing with bill materials shall be sent along with the offer)	Vendor to confirm		
14.0	Training			
	The supplier shall provide sufficient field training (at BHEL site) to our maintenance personnel in operation and maintenance of cooling Tower.	Vendor to confirm		
15.0	Spares			
	Vendor to separately quote for Maintenance spares such as PVC fills, aluminium fan blades, FRP fan blades, nozzles, etc. One motor of similar rating used in the tower shall be provided as spare.	Vendor to confirm		
16.0	Guarantee			
	GUARANTEE for complete cooling tower system shall be given for a period of 12 months from the date of Installation/ commissioning or 18 months from the date of supply against deficiency in performance and failure in materials and workmanship.	Vendor to confirm		

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Sl No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
17.0	Installation & Commissioning			
	BHEL Scope:			
17.1	All the civil works and water inlet and outlet piping to the cooling tower shall be carried out by BHEL for which the required details are to be provided by the successful vendor	Vendor to confirm		
17.2	The new cooling tower is to be mounted on the existing tank located at the ground floor. Details of tank (inner dimensions of tank): Length of the tank: 2140 mm, Breadth of the tank: 1970 mm, Depth of the tank: 750 mm and Width of tank wall: 215 mm (Minor alteration in foundation if required shall be carried out by BHEL, for which details should be provided by vendor along with the offer)	Vendor to Confirm		
17.3	Prove-Out during commissioning : Commissioning of the cooling Tower (2 Nos.) and Performance Prove – Out for achieving Reduction in Cooling tower water Temperature (Hot water to cold water) preferably between 7 to 10 Deg C and Smooth Functioning of the cooling tower (at BHEL Works) shall be the SOLE RESPONSIBILITY of the supplier.	Vendor to Confirm		
17.4	Mobile crane facility for the Erection or execution of the cooling tower work will be provided by BHEL	Vendor to Confirm		
17.5	BHEL will supply the required consumables, welding machines or gas cutting support if required.	Vendor to Confirm		
17.6	BHEL will supply Electric Power and Water at free of cost.	Vendor to Confirm		

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SI No.	Description of BHEL Requirement	Specified/ To be confirmed by vendor	Offered	Deviations
	Vendor Scope:			
17.7	Required Manpower and all tools (Except welding machine & gas cutting set) and tackles required for mechanical erection work shall be brought by the vendor	Vendor to Confirm		
18.0	General Points			
18.1	Operating Weight	Vendor to Specify		
18.2	All technical specifications, drawings, technical Data Sheet and product catalogue to be submitted along with offer.	Vendor to confirm		
18.3	Overall dimension of cooling tower	Vendor to specify		
18.4	The Cooling Tower should have size, rating, class specification, direction and technical details marked (permanently embossed) or attached with SS name plate.	Vendor to confirm		
18.5	Installation & Commissioning is in vendor's scope	Vendor to confirm		
18.6	Delivery: Three months from the date of purchase order.	Vendor to confirm		
18.7	Note: Supplier should quote rate separately for supply of Induced Draft counter flow type FRP cooling Tower including additional accessories (Gate Valve), Erection & Commissioning of the same and Spares. And the order will be given to a single supplier on Cumulative L1 basis.	Vendor to confirm		

S.NO	VENDOR NAME	VENDOR CODE		
1	M/S PAHARPUR COOLING TOWERS LTD., CHENNAI	14983		
2	M/S WET BULB COOLING TOWERS PVT. LTD., MUMBAI	12752		
3	M/S GEM EQUIPMENTS PVT. LTD., COIMBATORE	13924		
4	M/S UNITED COOLING SYSTEMS PVT. LTD., COIMBATORE	12716		

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BHARAT HEAVY ELECTRICALS LIMITED TIRUCHIRAPALLI**CAPITAL PURCHASE****Annexure-A****ACCEPTANCE OF COMMERCIAL TERMS AND CONDITIONS BY THE VENDORS.**

(This should be essentially filled in and sent along with the techno-commercial offer without fail. If this check list is not filled and submitted along with techno-commercial offer (Part I) or if the vendor does not confirm acceptance to the terms and conditions proposed, BHEL reserves the right to reject such offer)

CHECK-LIST FOR VENDORS

Sl. No.	DESCRIPTION
1.	<p>The Bidders shall submit their offer in TWO INNER ENVELOPES as indicated below which shall be sealed in one outer envelope.</p> <ul style="list-style-type: none"> ❖ Envelope I: This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. ❖ Envelope II: This sealed envelope should contain price details. This envelope should be clearly marked "Part II - Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. This part should contain the schedule of price particulars and must be co-related to the technical details provided in Part I. <p>All the two envelopes (Part I&II) shall be put in one cover, duly sealed, super scribing as "Part I and Part II of Enquiry No., due date of opening" and the address and reference of the Bidder. The offer received without the above guidelines, will not be considered for opening.</p> <p>Offers will be accepted & received till 14.00 Hr. on the due date. Therefore Vendors shall ensure to submit the offers before this time. Late offers will not be considered.</p> <p>The Tenders should be addressed to the following address to The Tender Opening Cell/MM Room No-26 , Building – 24 , Ground Floor Bharat Heavy Electrical Limited Tiruchirapalli - 620014.</p> <p>In case personal delivery of the offer, it shall be dropped into the respective box after duly entering the data in the system kept in Room No 26.</p> <p>Vendors are requested to avoid submission of offers thro email / fax. In case of any unavoidable situation, offers shall be sent thro email to the following mail ID only " tender_cell@bheltry.co.in "</p> <p>As such Tenders are being opened by Common Tender opening Cell , offer covers should be sealed with tender's distinctive seal and super scribed with correct Tender NO, item of supply and due date of Opening</p> <p>Tenders should be free from CORRECTIONS AND ERASURES. Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. In case of any difference between amount quoted in words and figures, amount quoted in words shall prevail.</p> <p>Offers should be in ENGLISH and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in ENGLISH or otherwise, the offers will not be considered.</p>
2.	<p><u>OPENING OF TENDERS</u></p> <p>The Part I- Technical & commercial bid would be opened on the Tender opening date.</p> <p>The Part II - Price bid of Technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the tender opening date.</p> <p>Clarifications if any required by BHEL for Technical evaluation would be sought from bidders before opening of Part II - price bid.</p>
3.	<p><u>Taxes and Duties</u></p> <p>All Taxes and Duties 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. AAACB4146PXM012, Service Tax Registration No (STC)- AAACB4146PST006. Assessment circle Tiruverambur.</p>
4.	<p><u>Special Provisions for Micro and Small Enterprises (MSE)</u></p> <ol style="list-style-type: none"> 1. 20% of the tendered quantity is earmarked for MSE suppliers in this tender. 2. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC/ST entrepreneurs. 3. In case MSE vendor participating in the tender quotes within the price band of L1+15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately. 4. MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II (Entrepreneur Memorandum Part 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 as per Annexure - I) applicable for the relevant financial year (latest audited), certifying quantum of investment in plant and machinery within the permissible limit 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. Offer/s received without these documents will lead to consideration of their offer at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier.

No row shall be left blank. Please indicate NA, in case the item is "Not Applicable"	Vendor's confirmation
5. Validity: Validity of the offer should be 120 days from the date of tender opening.	
6. Release of Purchase Order: > Purchase Orders will be released on respective L1 vendor for each line items. > Separate orders for supply & service will be released on the successful L-1 vendor for each line items. (Service order released only in the case of, Installation / erection / commissioning portion are applicable on tender scope & quoted separate charge for same by vendor).	
7. Payment Terms for supply Portion: a) 80% of payment will be released within 45-90 days after receipt & acceptance of supplied material and installation of the Flow meter along with Heaterless LPG vapouriser system in BHEL/Trichy. b) 20% of payment will be released after completion of successful commissioning of Flow meter along with Heaterless LPG vapouriser system (for a proveout period of 3 days) against submission of 10% PBG for a Warrantee period of 18 Months.	
Installation & Commissioning Portion (if applicable only): 100% of the installation / commissioning charges (in case contract involves erection / installation / commissioning) shall be paid only on completion of such erection / commissioning at BHEL, Trichy.	
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.	
8. Performance Bank Guarantee (PBG): The bidder in the event of an order, should furnish a Bank Guarantee from an Indian Bank approved by BHEL, at no extra cost in a format prescribed by BHEL, along with the order, for an amount equivalent to 10% (Ten percent) of the value of the contract. The PBG shall be valid for a period of 18 months from the date of despatch or 12 months from the date of receipt / acceptance / commissioning of equipment at BHEL, Tiruchirapalli whichever is more, with a claim period of two months. The Performance Bank Guarantee shall be obtained from any one of the following banks which is a member bank in our consortium of Banks: List of Consortium Banks DEUTSCHE BANK, HDFC BANK, ANZ GRINDLAYS BANK, CITI BANK, STANDARD CHARTERED BANK, BANK OF AMERICA, ABN AMRO BANK, IDBI LTD, ICICI BANK LTD, THE HONGKONG & SHANGHAI BANKING CORPORATION LTD. List of Nationalised Banks ALLAHABAD BANK, ANDHRA BANK, BANK OF INDIA, BANK OF BARODA, BANK OF MAHARASTHRA, BHARAT OVERSEAS BANK, CANARA BANK, CENTRAL BANK OF INDIA, CORORATION BANK, DENA BANK, INDIAN BANK, INDIAN OVERSEAS BANK, ORIENTAL BANK OF COMMERCE, PUNJAB NATIONAL BANK, PUNJAB & SINDH BANK, STATE BANK OF INDIA, STATE BANK OF TRAVANCORE, STATE BANK OF MYSORE, STATE BANK OF BIKANER & JAIPUR, STATE BANK OF HYDERABAD, STATE BANK OF PATIALA, STATE BANK OF MAHARASTHRA, STATE BANK OF SOURASTHRA (SBI-13.09.08), SYNDICATE BANK, UCO BANK, UNION BANK OF INDIA, UNITED BANK INDIA, VIJAYA BANK. If PBG is issued by foreign counter part of the BHEL consortium Indian Bank, in case of claim against the PBG, it will be lodge in any one of the Indian counters of the Foreign Bank which issued the PBG.	
9. Liquidated Damages (LD): The delivery of the goods specified in the purchase order should be made within the time prescribed. LD for delay in 'Supply' and/or 'E&C' will be applicable to the delays attributed to vendor. LD will be considered separately for 'Delivery' and 'E&C'. Where the seller supplies or dispatches the goods, beyond the delivery period Liquidated damages shall be applicable 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. Detail of LD mode are shown below Single Delivery Date (Material Dispatched after Due date) Once the delivery due date is crossed, bills have to be clubbed till final despatch and forwarded for processing of payment as a single bunch. LD percentage will be calculated from Delivery due date to final despatch date. (100% Order should be completed for processing the bill) Staggered Delivery LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value. PO Pending value (each Bill Value) up to Max 10 % of Total PO value) <i>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). For the purpose of Imposing LD, the FOB delivery (B/L date) shall be considered. Bidder should indicate the LD mode (single delivery or staggered delivery) on the confirmation column, otherwise single delivery date will be considered for further evaluation</i>	
10. Risk Purchase: Alternatively the purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the time stipulated as aforesaid or if the same were not available from the best and the nearest available substitute. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.	
11. Delivery Terms and evaluation process: Indian Bidders should submit their offer for FOR-BHEL, Tiruchirapalli basis . Packing & Forwarding and Freight & Insurance charges from works to BHEL, Tiruchirapalli to be indicated separately if extra from basic rate. Applicable % of ED & Sales Tax, Commissioning Charges should be clearly indicated. Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to BHEL-Trichy).	

12.	<p>Guarantee: Vendors shall provide a guarantee for a period of 12 months from the date of commissioning of the equipment or 18 months from date of supply, whichever is earlier. The date of B/L or AWB shall be taken as the date of supply. <u>Offers from vendors not accepting the requested guarantee period will be rejected.</u></p>	
13.	<p>Short shipment / Warranty replacement: In case of any short shipment in the main equipment / spares, customs duty levied on such supplies, shall be borne by the supplier. Any warranty replacement during the warrantee period shall be on FOR-BHEL, Tiruchirappalli basis.</p>	
14.	<p>Inspection & Testing: All goods shall be subject to inspection by BHEL or its authorized representatives at supplier's works or at BHEL stores or at any other place in India indicated by BHEL as the case may be. The supplier will not charge for the facilities provided for inspection of goods. In case of machine tools, the machine would be inspected and proved at supplier's works prior to dispatch however, final inspection and acceptance of the machine will be carried after installation of the machine at BHEL, Tiruchirappalli.</p>	
15.	<p>Test certificates / Operating and Maintenance manuals : The Bidders shall clearly mention in their offer, that Test Certificates and Operating Maintenance Manuals, etc., as called for in the Technical Specification, in the required number of copies will be provided at no extra cost</p>	
16.	<p>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. Offers of indigenous Suppliers with payment terms as LC/Advance Payment are liable for rejection.</p>	
17.	<p>BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.</p>	
18.	<p>Reverse Auction (RA): BHEL reserve the right to conduct on-line internet Reverse Auction i.e. ONLINE BIDDING (THROUGH A SERVICE PROVIDER) for finalising the tender. This decision will be communicated to the techno-commercially qualified vendors after evaluation. Details / General terms / guidelines for conduct of RA are shown below: Vendors are requested to confirm their acceptance for BHEL proceeding with RA route for finalisation of the enquiry.</p> <ol style="list-style-type: none"> 1. Technically and Commercially acceptable Bidders shall only be eligible to participate in the Reverse Auction. 2. BHEL shall engage the services of a Service Provider, who shall extend all necessary training and assistance before commencement of ON-LINE-BIDDING through Internet, at NO extra-cost to the Bidders. 3. Eligible Bidders shall be informed in writing, about the details of Service Provider, to enable Vendors to contact the Service Provider and get trained. 4. Event Date, Time, Start Price, Bid Decrement, Time-Extensions, etc. shall also be communicated through the Service Provider for compliance by Bidders. 5. Vendors have to FAX the Compliance Form (Annexure-IV), before start of RA. Without furnishing the above Compliance Form, Bidders shall not be eligible to participate in the RA. 6. BHEL shall provide the calculation sheet through the Service Provider, which shall be helpful to arrive at "TOTAL COST to BHEL", like Packing and Forwarding Charges, Taxes and Duties, Freight Charges, Insurance, Service Tax and other loading factors (for non-compliance to BHEL Standard Commercial Terms and Conditions), for each of the Bidder, to enable them to fill in the price and keep it ready for inputting data during the RA. 7. RA shall be conducted on a pre-determined Date and Time. 8. At the end of RA, the lowest Bid Value will be known on the Network. 9. Lowest Bidder has to FAX the Prescribed Format, duly filled in and signed in, as provided, on a case-to-case basis, to the Service Provider, within 24 Hours of RA without fail. 10. Any variation between the ON-LINE Bid Value and the signed document will be considered as unethical the Tender process and will invite disqualification of Bidder, for further business dealings with BHEL as per the prevailing procedure. 11. In case BHEL decides not to go for Reverse Auction procedure for this tender, the Price Bids & Price Impacts, if any, already submitted & available with BHEL shall be opened as per BHEL's standard practice. 12. BHEL reserves the right to negotiate if need be, with the L-1 vendor of the RA. 13. <u>BHEL reserves the right not to consider offers from vendors not complying with the RA process for finalisation of the enquiry.</u> 14. If the Bidder or any of his representatives are found to be involved in Price manipulation / cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines shall be initiated by BHEL and results of the RA scrapped / aborted. 15. In case BHEL decided to go for Reverse auction, the H-1 bidder(s) (whose quote is highest in the online sealed bid) may not be allowed to participate in further Reverse Auction. 	
19.	<p>ARBITRATION: All disputes or differences whatsoever which may arise at any time during execution of the Contract shall be mutually settled by BHEL and Contractor as per provision of the Contract. However, in the event such disputes cannot be settled mutually, such disputes shall be settled as per the Arbitration and reconciliation Act, 1996 of the Govt. of India and it's subsequent amendments. In case of disputes with the Central PSUs, the same shall be settled at Tiruchirappalli as per the Guidelines of the Govt. of India. However, during the period such disputes are settled either by mutual discussions between the parties or by legal means, Contractor shall continue to do the work as per terms & conditions of Contract.</p>	

20.	<ul style="list-style-type: none"> ➤ Point to point confirmation for the Technical Specification enclosed to be provided. If there are any deviations, the same should be clearly specified. Offers received without confirmation to our specifications will be liable for rejection. If needed additional sheets shall be used. ➤ Equipment offered shall be "New". Re-built / Re-conditioned / Used equipment's will not be accepted. Incomplete offers will not be considered for further processing Fixed price: ➤ BHEL reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at any of BHEL projects / units. ➤ BHEL shall be at liberty to reject or accept any tender, part or in full, at their own discretion and any such action is not liable for any question or claim against BHEL. ➤ The vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost ➤ The Supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit. 	
21.	Company Details & Contact	
	Full Address of the company for future correspondence / placing order. (Copy of address proof & PAN card shall be attached along with Part-I)	
	Company Email ID:	Phone No.:
	Fax No	Pan No with copy
	CST /TIN No	
	Name of the contact person:	Mobile No.:
	e-mail ID	
22.	TO BE CONFIRMED BY VENDOR	
	Country of origin:	
	Station of dispatch / Port Of Shipment	
	Delivery Terms (FOR Destination / Ex-works)	
	Packing & Forwarding Charges in % or Lump sum, if extra from basic rate	
	% of Excise Duty with cess	
	% of TAX (CST / VAT) (TNGST with FORM-17 or CST with C-FORM)	
	(If applicable only) Installation & Commissioning charge is inclusive (or) exclusive on basic rate.	
	Service Tax extra or Not	
	Freight & Transit insurance charges (if any, in Lumpsum (or) percentage) from Dispatching station to BHEL Tiruchirappalli.	
23.	DELIVERY SCHEDULE:	
	Supply Portion: Delivery schedule from the date of Letter of Intent / Purchase Order. (This should be inclusive of Order acceptance, drawing approval and time period required for receiving goods at BHEL Trichy etc.	
	Time period required for Installation / Erection & Commissioning from date of site clearance given by BHEL, Trichy.	
24.	Weight & Cubage of package:	
	Approximate Net weight of the total consignment:	
	Approximate Gross weight of the total consignment:	
	Approximate volume of the total consignment:	
For any queries / clarifications the bidders may contact us through our FAX NO. +91 431 2520719 or through e-mail <peterrri@bheltry.co.in>		

NOTE:-

- a) Your specific acceptances to our Payment terms, LD, Risk Purchase Clause are essential for consideration of your offer. Otherwise your offer is liable for rejection.
- b) No row shall be left blank. Please indicate NA, in case the item is "Not Applicable"

Declaration:-

We have gone through and understood the 'General guidelines & instructions to bidders for submitting offer' enclosed as a part of the Tender and confirm that our offer has been made in line with the same.

(AFFIX OFFICIAL SEAL HERE)

Signature with date:

Name:

Designation:

Department:

(Please Affix Your Signature with Seal on Each Page)

Bharat Heavy Electricals Limited TIRUCHIRAPPALLI/CAPITAL PURCHASE**MODEL PRICE BID FORMAT FOR INDIAN BIDDERS**

Enquiry No. & Date:

Bidder's Offer No. & Date:

Sl. No.	Description of item	Unit (Set / No.)	QTY	Basic Rate / Qty. in Rs. (excluding all Taxes)	ED in %	VAT / CST in % (TNGST with FORM-17 or CST with C-Form)	Service Tax in %	Total Value in Rs. (Including all taxes & duties)
10	Supply Portion							
20	Installation & Commissioning Charges for Sl. No: 10 (if available in tender scope & exclusive from basic rate for supply portion)							
	Packing & Forwarding charges (if any) in percentage (or) Lumpsum							
	FOR Dispatching station value in Rs.							
	Percentage of Freight & transit insurance charges, if any (Lumpsum or %) Freight & Insurance charges from Dispatching station to BHEL, Tiruchirappalli							
	Approximate Net weight of the total consignment							
	Approximate Gross weight of the total consignment							
	Approximate Dimensions of the Consignment							

Signature & Seal of Vendor

The price bid should be submitted only as per the above format. No row shall be left blank. Please indicate NA, in case the item is "Not Applicable"

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 on
date..... 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

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.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant