



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY	Phone: +91 431 257 78 30 Fax : +91 431 252 00 31 Email : saranyac@bheltry.co.in Web : www.bhel.com
NOTICE INVITING TENDER	

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two Parts	2731700004	28.03.2017	01.05.2017

You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

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

Item	Description	Quantity
10	Heating Ventilation and Air Conditioning System as per the technical specification & commercial conditions enclosed (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	01 No.

Important points to be taken care during submission of offer

1. The rate of EMD for this Tender will be (INR) : 2,00,000/-
2. The Point wise reply to our Technical Specification and Commercial Compliance Form to be filled in and enclosed along with the offer failing which, the offer will not be considered for evaluation.
3. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM/CE/GENL/001-EMD) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under above Enquiry reference.

Tenders should reach us before 14:00 hours on the due date

Tenders 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 **BHARAT HEAVY ELECTRICALS LIMITED**

Saranyac C. SARANYA
Senior Engineer
MM / Capital Equipment
BHEL / Tiruchirappalli - 620 014.
Sr. Engineer / Capital Equipment / MM

PART - A**Qualifying Criteria for Supply, Installation, Testing, & Commissioning of HVAC facility****SECTION – I : QUALIFYING CRITERIA**

The BIDDER has to compulsorily meet the following requirements to get qualified for considering the technical offer:

Sl.No.	REQUIREMENTS	BIDDER'S RESPONSE
1	Only those Bidders, who have supplied and commissioned at least two numbers of Air conditioning systems of minimum installed capacity of 120 TR capacity each or higher capacity in the past five years and such plant is presently working satisfactorily for a period of minimum one year (from the date of tender opening) should quote. (Air conditioning system refers to equipment involving Packaged air conditioner / Chiller units / VRF air conditioning systems .)	
	The Bidder should submit following information where similar plants have been supplied for qualification of their offer.	
1.1	Name and postal address of the customers or company where similar plants are installed.	
1.2	Name and designation of the contact person of the customer.	
1.3	Phone, FAX no and email address of the contact person of the customer.	
1.4	Month and Year of commissioning of the system	
1.5	Application for which the system is supplied	
1.6	Along with the Technical offer, the Bidder should submit minimum one Performance certificate from the customer for the satisfactory performance of the system supplied to them. For obtaining the Performance certificate, a suggestive format is provided in SECTION – IV .	
1.7	BHEL reserves the right to verify the information provided by Bidder. In case the information provided by Bidder is found to be false/ incorrect, the offer shall be rejected.	

PART - A**Qualifying Criteria for Supply, Installation, Testing, & Commissioning of HVAC facility****SECTION – I I**

The BIDDER / BIDDER is requested to provide the following information:

Sl.No.	REQUIREMENTS	BIDDER's RESPONSE
1.0	The BIDDER/BIDDER to furnish Reference List of Customers, with full address, details of contact person, where such systems have been established in the past.	
2.0	Details on SERVICE-AFTER-SALES Set-Up in India including the Address of Agents / Service Centers in South India.	
3.0	Any Additional Data to supplement the capability of the BIDDER for the subject equipment.	

SECTION – III

The BIDDER to note:

Sl.No.	REQUIREMENTS	BIDDER's RESPONSE
6.0	The BIDDER / BIDDER shall submit the offer in TWO PARTS. 1. Technical Offer [with PART A & PART B] & commercial offer 2. Price Bid.	
7.0	The Technical Offer shall contain a comparative statement of Technical Specifications demanded by BHEL and Offer Details submitted by the Bidder , against each clause. A just 'CONFIRMED' or 'COMPLIED' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Technical Offer.	
8.0	The Technical Offer shall be supported by product Catalogues & Data Sheets and also technical details of Bought-Out-Items with copies of Product Catalogue to the extent possible.	
9.0	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation.	

PART - A**Qualifying Criteria for Supply, Installation, Testing, & Commissioning of HVAC facility****SECTION – IV**

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

PERFORMANCE CERTIFICATE

1. Supplier of the "Air Conditioning System"		
2. Make & Model of the "Air Conditioning System"		
3. Month & Year of Commissioning		
4. Application for which the "Air Conditioning System" is used		
5	a) Capacity & Quantity of AC units b) Temperature range maintained c) Humidity level controlled d) No. of air changes per hour e) No. of fresh air changes per Hour	
6. Performance of the System		Satisfactory / Good / Average / Not Satisfactory
7. Any Other remark		
Date: Signature & Seal of the Authority Issuing the Performance Certificate		

PART - B**Specification for Supply, Installation, Testing, & Commissioning of HVAC facility**

SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
1.0	<u>Purpose:</u> Supply, Installation, Testing and Commissioning of HVAC (Heating Ventilation & Air Conditioning) facility in a building at Bharat Heavy Electricals Limited (BHEL), Tiruchirapalli, Tamilnadu. Plan & Sectional Elevation of the building are shown in SKT-1. The Building is having two areas. Area-1 is a complete concrete building, which is readily available. Area-2 is an extension of Area-1, which will be constructed with Steel structure, galvalume sheet Roof and with RCC/Brick work boundary wall. Portion of Area-1 & Area-2 together will form a workshop which is to be maintained as a dust free area with Air conditioned environment. 1 No. of 3 Ton EOT crane and three No. of special machines will be installed in Area-2. The entire area is to be used for fabrication activities which is free from Dust & Chip generation. Proposed facility is for maintaining this shop in dust free condition with controlled temperature & humidity. For accommodating the equipments pertaining to HVAC system, two rooms (Plant AC Rooms) with Concrete Roof are also will be constructed adjacent to the concrete building as shown in SKT-1. Size of each room is 9000 mm (L) x 4000 mm (B) x 4650 mm (H). Providing requisite openings in the walls for ducting / air passage in the building, concrete platforms and foundation concrete filling will be under BHEL's scope.	Vendor to Note.
2.0	<u>Scope of Supply:</u> 1. Aluminium Glazed windows as specified vide Cl. 3.0 2. Thermal insulation as specified vide Cl. 4.0 3. HVAC system – as specified vide Cl. 5.0 4. Insulated ducting as specified vide Cl. 6.0 5. Spares as specified vide Cl. 7.0 6. Documentation – as specified in Cl. 8.0	Vendor to Confirm.

Specification for Supply, Installation, Testing, & Commissioning of HVAC facility		
PART - B		
SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
2.1	<u>Applicable sketches :</u> 1. SKT-1 : Plan & Sectional view of the Building 2. SKT-2 : Lighting Layout	Vendor to Note.
3.0	Supply and fixing of Glazed Aluminium windows:	
3.1	<u>18</u> No. of Glazed Aluminium Windows of size 1200 mm x 1200 mm in Area-1 are to be provided with frame + fixed glass window as specified below	Vendor to Confirm.
3.2	<u>Frame for Windows:</u> - Anodised aluminium (anodised transparent or dyed to required shade according to IS 1868, minimum anodic coating of grade AC 15 with extruded built up standard tubular sections / appropriate Z sections of approved make conforming to IS:733 & 1285, fixed with rawl plugs & screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc.	Vendor to Confirm.
3.3	Aluminium sections shall be smooth, rust free, straight, mitred and joined mechanically wherever required including cleat angle, aluminium snap beading for glazing / panelling, C.P brass / stain-less steel screws, all complete as per architectural drawings and instructions.	Vendor to Confirm.
3.4	Glass for Windows: clear Float glass panes of 5.50 mm thick with PVC/ neoprene gasket etc. complete as per drawing and instructions.	Vendor to Confirm.
3.5	<u>Providing & Fixing</u> Polyester sun control film <u>to glazed panels:</u> Non reflective Type - Regular grade of approved brand (GARWARE or equivalent) and shade to glazed panels in windows with proper adhesive as per instructions.	Vendor to Confirm.
4.0	False ceiling & Thermal insulation for Building:	
4.1.0	<u>Thermal insulation</u> is to be laid at two levels inside the building (both Existing building 119 & Proposed structural shed) and inside of both the Plant AC - Rooms as shown in SKT-1.	Vendor to Confirm.
4.1.1	<u>Area-1:</u> Under the Concrete Roof at the height of 3200 mm. Area: 45,400 mm X 23,400 mm. <u>Area-2:</u> Over the False Ceiling (at the height of (+) 7200 mm at the Structural Steel shed area. <u>Area-3:</u> 2 Nos. of Plant AC-Rooms: Under the concrete Roof. 9000mm x 4000 mm. height shall be decided based on the height requirements for HVAC equipments.	Vendor to Confirm.

Specification for Supply, Installation, Testing, & Commissioning of HVAC facility		
PART - B		
SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
5.0	<u>HVAC system:</u>	
5.1	<u>Scope of supply:</u> Design, manufacture, Supply, erection, testing and commissioning of packaged air conditioning units with energy efficient multi scroll compressors, air-cooled condenser, microprocessor controlled panel programmable and other accessories as given below. Evaporator and condenser tube coils material should be copper.	Vendor to Confirm.
5.2	<u>Design Parameters:</u> - Volume to be air-conditioned in the shop floor environment (Dimensions are in mm): <u>Area A1</u> : Partial portion of Area A1 only : 28,000 (L) x 23,400 (B) x 3200 (H) <u>Area A2</u> : 19,100 (L) x 24,000 (B) x 7200 (H) - Temperature to be controlled inside the Clean Room is 22 °C +/- 2 °C - Relative Humidity to be controlled inside the Clean Room is 55+/- 5%. - Outside Ambient Design Conditions: (For Tiruchirapalli, Tamilnadu) is 45 °C. - Permissible level of Relative humidity is 55 to 60 % (Approx.) - Total connected equipment electrical Load : 240 KW (Approx.) - Total connected Lighting electrical Load : 12 KW (Approx.) - Number of occupancy : 15 Persons (approx) - Number of air changes per hour: Minimum 3 per hour - Number of Fresh air changes per hour : 1 No. per hour - Required Filtration level = 10 microns (minimum) - Refrigerant gas to be used in compressor = R-407C/R-410 A/ R-134A/R404A - Sound level inside air-conditioned hall & Plant AC room = Less than 85 db	Vendor to Note.
5.3.0	<u>Packaged Air conditioners:</u> Nominal capacity: 16.5 TR X 10 No. = 165 TR (Approx. Out of 165 TR - 80 % working and 20 % standby) or any equivalent numbers to be accommodated in both the service plant rooms.	Vendor to Confirm.
5.3.1	Capacity & Qty	Vendor to specify
5.3.2	Air Flow (in CMH)	Vendor to Specify
5.3.3	Make of the Packaged Air conditioner Units : Bluestar, Voltas, Carrier, Hitachi, Daikin, LG, York, Trane, Samsung, Lloyd, Mitsubishi (or) any other reputed makes acceptable to M/s BHEL	Vendor to Specify

Specification for Supply, Installation, Testing, & Commissioning of HVAC facility		
<u>PART - B</u>		
Specification for Supply, Installation, Testing, & Commissioning of HVAC facility		
SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
5.9.2	Fin Material - Hydrophobic aluminium	Vendor to Confirm
5.10.0	Expansion Valve	
5.10.1	Type - Thermostatic with external equaliser line	Vendor to Confirm
5.10.2	Make: Danfoss / Emerson	Vendor to Confirm & Specify
5.11.0	Connections:	
5.11.1	Hard drawn copper piping for liquid and gas lines with necessary fittings, elbows, bends and supports etc to be provided	Vendor to confirm
5.11.2	Liquid line valve - Required quantity	Vendor to Specify
5.11.3	Hand shut off valve - Required quantity	Vendor to Specify
5.11.4	Service Valve of suitable size to be provided	Vendor to confirm
5.12.0	Filter Drier:	
5.12.1	Make : Danfoss / Emerson	Vendor to Specify
5.13.0	Air filter:	
5.13.1	Filtration capacity: upto 10 microns	Vendor to Specify
5.13.2	Material : Non woven polyester media enclosed by HDPE mesh	Vendor to Specify
5.14.0	Outdoor units for Packaged Air conditioners:	
5.14.1	Qty. per Package Unit - (in Nos.)	Vendor to Specify
5.14.2	Overall dimensions :Width X Depth X Height (in mm)	Vendor to Specify
5.14.3	Outdoor units are to be installed on the roof top of the Service room buildings	Vendor to confirm
5.15.0	Condenser Coil:	
5.15.1	Tube type/Material - Inner grooved copper tubes	Vendor to Specify
5.15.2	Fin Material - Hydrophobic aluminium	Vendor to Specify

Specification for Supply, Installation, Testing, & Commissioning of HVAC facility		
<u>PART - B</u>		
SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
5.16.0	Safety Devices	
5.16.1	Compressor Contactor, Blower motor contactor, Overload relay of reputed makes to be provided. The makes of contactors, relays and control elements shall be Siemens/L&T/Telemechanique or other reputed makes acceptable to BHEL	Vendor to confirm
5.16.2	HP/LP Cut outs of Cartridge type with auto reset to be provided	Vendor to confirm
5.17.0	Controller Features:	
5.17.1	7 Segment LCD / LED display	Vendor to specify
5.17.2	Display of actual Run Temperature , LEDs for Fan & cool modes, LEDs for compressor operation, Reset key for resetting fault, ON / OFF provision	Vendor to confirm
5.17.3	Set temperature range : 19 deg.C to 32 deg.C	Vendor to confirm
5.17.4	NTC Thermistor bit sensor with 5M cable	Vendor to confirm
5.17.5	Fan & Cool modes	Vendor to specify
5.17.6	Time delays for compressor operation	Vendor to specify
5.17.7	Auto restart after power failure	Vendor to confirm
5.17.8	Built in Single phase / Phase reverse protection	Vendor to confirm
5.17.9	Fault and Alarm display for : HP & LP / Temperature sensor / Indoor Fan overload	Vendor to confirm
6.0	Ducting:	Vendor to confirm
6.1	G.I ducting - Supply Air – 18 G / 20 G / 22 G / 24 G	Vendor to confirm
6.2	Acoustic insulation with 12 mm thick fibreglass with RP Tissue paper and 26swg Al. perforated sheet & fastened with bolts & nuts for Supply air duct wherever required.	Vendor to confirm
6.3	Thermal Insulation for duct work: The insulation for duct work shall be of foil faced closed cell XLPE material in sheet form - shall be with minimum 13 mm thick for Supply Air Duct. Under Vendor's scope.	Vendor to confirm
6.4	Supply air grilles/Diffusers made of Powder coated aluminium	Vendor to confirm

PART - B**Specification for Supply, Installation, Testing, & Commissioning of HVAC facility**

SL.NO.	Specification for Supply, Installation, Testing, & Commissioning of HVAC facility BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
6.5	Vendor to provide the required Volume control dampers/ Fresh air dampers/Collar dampers required at each supply air out let points according to their design requirement. Return air openings will be provided by M/s BHEL. Return air grill with chicken mesh wire in the openings is under Vendor's scope	Vendor to confirm
6.6	Vendor to provide PVC drainage pipes (not less than 30 mm dia) with Nitrile rubber Insulations along with necessary fittings, elbows, bends and supports etc., for all the Outdoor units. The condensate water drainage line should be connected to the nearest drainage point	Vendor to confirm
6.7	Ribbed rubber pads to be provided wherever necessary	Vendor to confirm
6.8	Industrial Quality Fire Retardant Canvass connections to be provided for required quantity	Vendor to confirm
6.9	The envisaged ducting shall be distributed uniformly along the walls of the proposed facility around a height of about 3 m level. The height of the ducting with insulation to be restricted within 600 mm. Estimated length of the ducting to be laid – 160m (approximately). All the duct supporting items are under Vendor's scope.	Vendor to confirm
6.10	Heater coils are to be provided at the Supply air ducting portion for the purpose of maintaining humidity inside the conditioned area.	Vendor to Confirm & Specify
6.11	The envisaged ducting shall be distributed evenly to meet to the aesthetic look of the proposed area in the building.	
7.0	Spares:	
7.1	Itemized break-up of Mechanical, Electrical , Electronic and Pneumatic / Hydraulic Spares used on the system in sufficient quantity as per recommendation of BIDDER for 2 years of trouble free operation on three shifts continuous running basis should be offered by BIDDER.	Vendor to confirm
7.2	Mechanical & Hydraulic / Pneumatic Spares: Bearings, Clutches, gears and all types of Pumps, Valves, Pressure Switches / Transducers, Filters, Seals, 'O' Rings, Hydraulic Hoses, etc.	Vendor to confirm
7.3	Electrical Spares: All types of Drives, Relays, Contactors, Proximity Switches, Push Buttons, Indicating Lamps, Semiconductor Fuses, Special Fuses, Circuit Breakers, Main Power Switch, etc.	Vendor to confirm
7.4	All types of spares for the total system and accessories shall be available for at least ten years after supply of the machine. If machine or control is likely to become obsolete in this period, the vendor	Vendor to confirm

Specification for Supply, Installation, Testing, & Commissioning of HVAC facility		
PART - B		
SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
	should inform BHEL sufficiently in advance and provide drawings of parts / details of spares & Vendors to enable BHEL to procure these in advance, if required.	
7.5	Vendor to confirm that complete list of spares for machine and accessories, along with specification / type / model, and name & address of the spare Vendor shall be furnished along with documentation to be supplied with the machine.	Vendor to confirm
8.0	Electrical works:	
8.1	415V $\pm$ 10%, 50HZ $\pm$ 3 HZ, 3 Phase AC (3 wire system without neutral) Power Supply – 5 points (each capacity 100A, up to Isolator incoming) will be provided by BHEL at single location for each Plant AC Room (total 10 points - 5 in each room). All other interconnection cabling from the isolator outgoing for connecting different parts of the HVAC system is under supplier's scope. The interconnection cables shall be of copper and the size of the cables shall be selected (with appropriate factor of safety) by the supplier based on the power rating of the equipments. Vendor to ensure necessary electrical safety devices in their control panel.	Vendor to confirm
8.2	All the electrical cabling between indoor and outdoor units with copper cables & G.I double earthing are under the scope of the supplier.	Vendor to confirm
8.3	All Electrical control wiring & termination is also under the supplier's scope	Vendor to confirm
8.4	Wiring: All electrical motors, limit switches etc, on the machine shall be wired using PVC sheathed cable running in conduits to common terminal block. All cables, wires shall be neatly routed and fixed with proper identification.	Vendor to confirm
8.5	All the cable trays required for laying of cables should be included in the offer.	Vendor to confirm
8.6	The electrical control panel shall be fitted with a multifunction energy meter with 4 digit LED display, RS 485 port for transferring the data to the energy management application , 3 phase LED indicators and real time monitoring facility of 3Ph V, I, F, kVA, kW, kWh, kVARh, PF (Min, Max, RMS Values). The above energy meter shall be of reputed makes such as Conserv/Schneider, Rishabh, L&T, Yokogawa, Honeywell, Megger only.	Vendor to confirm
9.0	Pre-Despatch Inspection: Equipments / items need pre-despatch inspection will be identified and communicated to the supplier during approval stage. Supplier has to arrange for pre despatch inspection BHEL engineers at supplier's works. Boarding & Lodging charges for BHEL engineers will be borne by BHEL.	Vendor to confirm

Specification for Supply, Installation, Testing, & Commissioning of HVAC facility		
<u>PART - B</u>		
SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
12.0	<u>Commissioning:</u>	
12.1	Once the Area-1 is ready after the installation of thermal insulation and Fixed windows specified vide Cl.4, HVAC system can be commissioned for the Area-1, without waiting for the readiness of Area-2.	Vendor to confirm
12.2	Commissioning will be complete after the integration of Area-2 with A1.	Vendor to confirm
12.3	All the Welding, brazing, pressure testing, vacuumising, gas charging and commissioning are under the scope of the supplier.	Vendor to confirm
12.4	After commissioning, performance of the units is to be proved-out by the supplier.	Vendor to confirm
12.5	<u>Continuous run test:</u> Simultaneous running of all the 10 units continuously for 72 hours without interruption & faults shall be established during commissioning. In case of interruption, the test shall be repeated as fresh.	Vendor to confirm
12.6	Supplier has to supply all the commissioning spares & consumables required for commissioning	Vendor to confirm
13.0	<u>Guarantee:</u> Guarantee shall be 12 months from the date of commissioning and acceptance at BHEL works or 18 months from the date of supply whichever is earlier. Supplier should provide four quarterly free services for their equipment and spares including refrigerant gas charged in the systems. If any leakage of refrigerant after commissioning, supplier should re charge the gas on free of cost during guarantee period.	Vendor to confirm

Specification for Supply, Installation, Testing, & Commissioning of HVAC facility		
PART - B		
SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
14.0	Documentation: To be submitted as mentioned vide Cl No. 14.1 to 14.3. All documents must be in English language only.	
14.1	<u>Documents to be submitted along with the offer:</u> 1. Completely filled Part-A and Part-B of this technical specification 2. Min. 1 No. of performance certificate in Customer's letter head as specified in Section IV , Part-A of Technical specification. 3. Details of HVAC system with catalogue consisting of details like specification, make, model, weight of indoor & outdoor units, power rating, power consumption, input power supply requirement, dimensions and air flow etc., of AC units. 4. Detailed Bill of material for each group of activities specified vide Cl. 10.0 5. Itemised list of spares as specified vide Cl. 7.0	Vendor to confirm
14.2	<u>Documents to be submitted within a month after the placement of PO for approval before manufacture:</u> 1. Detailed schedule of activities along with Bar chart for supply, installation& commissioning 2. Ducting Design & layout 3. Details of HVAC system, their Make, Model No.& catalogues 4. Layout of Package units, Control Panel, Outdoor units etc 5. Wiring Diagram for Control Panel 6. Foundation drawing & requisite load details for equipments need foundation / platform. BHEL will approve the same in 15 days.	Vendor to confirm
14.3	<u>Documents to be submitted at the time of commissioning of HVAC system:</u> 3 Sets of hard copies and 1 set as soft copy in CD of the following documents: 1. As built condition – ducting layout 2. As Built- layout of Package units, Control Panel, Outdoor units etc 3. As Built - System Wiring Diagram & Control Panel wiring diagram 4. O&M manuals of all the equipments related to HVAC system 5. Details of spares & accessories as mentioned vide Cl. 7.5	Vendor to confirm

Specification for Supply, Installation, Testing, & Commissioning of HVAC facility <u>PART - B</u>		
SL.NO.	BHEL SPECIFICATION / REQUIREMENT	BIDDER'S RESPONSE
15.0	General:	
15.1	Before submitting the offer, Bidder may visit the site and have technical discussions with BHEL.	Vendor to confirm
15.2	Any civil work required for this work comes under the scope of BHEL. Supplier should give clearly the scope of civil work in their offer.	Vendor to confirm
15.3	All the toolings, fixtures, supporting structures, Instruments etc required for installation and Commissioning shall be brought by the supplier on returnable basis	Vendor to confirm
15.4	Ribbed rubber pads to be provided wherever necessary	Vendor to confirm
15.5	BHEL will provide necessary power supply with incoming isolator for AC units. All other interconnection cabling (copper cables) shall be in supplier's scope	Vendor to confirm
15.6	BHEL will provide necessary electrical power on free of cost during erection work (Supplier should give clearly the rating of supply point in their offer).	Vendor to confirm
15.7	The man power for the E&C activities is under vendor's scope. Supplier should adhere to necessary safety precautions while executing this job	Vendor to confirm
15.8	If contract labour / temporary labour is employed for erection and commissioning of the equipment at BHEL works, statutory provisions including ESI & PF coverage etc. are to be complied with.	Vendor to confirm
15.9	M/s BHEL shall provide assistance to material handling activities for loading & unloading of the units subjected to the availability of the facility. Any items which are not in their scope to be spelt out clearly in their offer.	Vendor to confirm
15.10	Annual Maintenance Contract: The supplier shall submit an offer for AMC of the offered chiller units for two years after the completion of the warranty period.	Vendor to submit
15.11	Any other Items not specifically mentioned, but required for complete installation and commissioning of the system as per scope of supply, are to be supplied by the bidder.	Vendor to confirm



An ISO 9001 Company

Bharat Heavy Electricals Limited
(High Pressure Boiler Plant)
Tiruchirappalli-620014, Tamil Nadu, India
MM/CAPITAL EQUIPMENT

MM/CE / GENL/001-EMD

GENERAL GUIDELINES & INSTRUCTIONS TO BIDDERS FOR SUBMITTING OFFER

Vendors are requested to read the following points / guidelines / instructions and ensure that the offer is prepared and submitted strictly as per the requirements. Offers with insufficient details would not be considered for evaluation. The following points / guidelines / instructions are part and parcel of the tender and non-compliance will result in rejection of offer.

1.0	QUOTATIONS
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Considering the nature of procurement which requires a good amount of technical details, brochures, catalogues etc., to be submitted along with the offer as well as the confidentiality required to be maintained during the offer evaluation process, bidders are requested to submit their offers only through sealed bids. As the part II (the price bid) would not be opened before the technical evaluation is completed, bidders are requested not to submit their bids through email / fax etc.

Bidders shall submit the offer in **TWO PARTS** as indicated below which shall be sealed in one outer envelope.

Part I consists of Two inner envelopes and put in a sealed cover and super scribed as PART I - TECHNICAL AND UN-PRICED COMMERCIAL BID WITH EMD ENVELOPE INSIDE

Envelope I

This sealed envelope should be clearly marked as **Part I - EMD Amount , Tender Number** and must contain the required EMD amount as indicated in the attached Compliance Form EMD shall be payable as per the instructions, otherwise the offer will not be considered. Pay Order / Demand Draft/ Swift Copy should be accompanied by a covering letter containing the details of Enquiry No. and DD/Pay order / Swift Copy particulars. DD shall be in favour of "Bharat Heavy Electricals Limited, Tiruchirappalli".

Envelope II

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 Un-priced commercial bid"**, indicating Enquiry No., Due Date, Address & Reference of the Bidder.

Part II

This sealed envelope should contain **price details**. This envelope should be clearly marked **"Part II - Price bid"**, indicating Enquiry No., Due Date, Address & Reference of the Bidder

In case the Enquiry contains more than one line item, then the price bid shall be submitted in separate sealed envelope for each individual line item.

Both the envelopes (Part I & II) shall be put in one cover, duly sealed, superscribing as **PART I AND PART II** indicating Enquiry No., Due Date, Address & Reference of the Bidder.

The above tender (envelope containing Part I & II) should reach this office on or before the due date by **14.00 Hrs (IST)**. Tenders received after 14.00 Hrs (IST) will not be considered for evaluation.

Tender should not be addressed to any Individual's name but only by designation to:

DGM / CAPITAL EQUIPMENT/ MM
1st Floor – ICT Building,
BHARAT HEAVY ELECTRICALS LIMITED
HIGH PRESSURE BOILER PLANT
TIRUCHIRAPALLI – 620 014
TAMIL NADU, INDIA

Tenders should be free from **CORRECTION AND ERASURES**, Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

Tenders should be in **ENGLISH** and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in **ENGLISH** or otherwise, the tenders will not be considered for evaluation.

Offers submitted directly by the Manufacturers/Suppliers is preferred. However, if the OEM/Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/supplier in the same tender. Offers, if submitted by authorised agents/dealers of OEM/ Supplier should be accompanied by a **VALID AUTHORISATION LETTER ISSUED BY THE OEM**. Moreover, either the agent could bid on behalf of the manufacturer /supplier or the manufacturer/supplier could bid directly but not both. In case bids are received from both the manufacturer/supplier and the agent, the bid received from the agent shall be ignored.

If the past performance of a vendor in any of the previous Purchase orders/contracts/in any projects, of BHEL Units, and NON-BHEL, is not satisfactory BHEL then reserves the full right to reject such offers of those vendors straightaway irrespective of their suitability and will not be considered for further processing of the tender.

2.0	PART I (TECHNICAL & UN-PRICED COMMERCIAL BID)
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2.1	Technical
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This part shall include / indicate the following:

2.1.1	Tenders should contain complete scope of supply with all technical details, specifications, delivery and other commercial terms and conditions.
2.1.2	Point by point confirmation for the Technical Specification enclosed is to be provided. If there are any deviations, the same should be clearly specified. Tenders received without confirmation to our specification will be rejected.

2.1.3	List of customers to whom same or similar equipment have been supplied along with performance certificates are to be enclosed.
2.1.4	Relevant catalogues to be attached
2.1.5	List of spares parts (with part numbers) for two years operation and maintenance should be attached.
2.1.6	Information on shipping weight and cubage (length, width & height) to be provided.

2.2	Un-Priced Commercial
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This part shall include / indicate the following:

2.2.1	Acceptance of commercial terms and conditions by the bidders (in the compliance form enclosed)
2.2.2	Port of shipment / Station of despatch
2.2.3	Terms of payment
2.2.4	CFR price (for foreign bidders) / F.O.R.BHEL works as required in the compliance form (attached with this Tender)
2.2.5	Taxes, Service tax & duties including cess applicable.
2.2.6	Delivery Schedule from the date of Purchase Order
2.2.7	Offer validity
2.2.8	Country of origin
2.2.9	Currency in which the price has been indicated.
2.2.10	Percentage of agency commission if any along with a copy of Agency agreement. The CFR prices quoted shall include the agency commission.
2.2.11	A copy of the Price Bid without the price details to be enclosed. (UNPRICED BID)

3.0	OPENING OF TENDERS
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PART I

a) EMD envelope would be opened on the tender opening date and if EMD is not submitted, the offer is liable to be rejected.

b) Technical & Un-priced commercial bid would be opened on the Tender opening date.

PART II – The Technical Bid received (under Part I) would be evaluated and bidders qualifying alone will be considered for further processing. BHEL would proceed with Reverse Auction route or Price Bid opening route for finalizing the tender, which would be intimated to the qualified bidders after completion of the techno-commercial evaluation.

BHEL reserves the right to go for a Reverse Auction (RA) instead of Opening the Price Bid submitted, which will be decided after the techno-commercial evaluation. Information and general terms and conditions governing RA are given below.

TERMS & CONDITIONS OF REVERSE AUCTION

Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., ONLINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed Reverse Auction, Technically and Commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit "online sealed bid" in the Reverse Auction. Non-submission of "online sealed bid" by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. Wherever, the evaluation is done for individual line item, separate envelope sealed price bid for each line item shall be submitted.
4. The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid.
5. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
6. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
7. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
8. Bidders have to fax the Reverse Auction Process Compliance Form provided before RA along with Business Rules by the Service Provider. This Compliance Form shall be sent to the Service Provider well before the Reverse Auction in order to get the Log in ID and Password for participating in the RA. Without the submission of Reverse Auction Process Compliance Form, the bidder will not be eligible to participate in the event.
9. In line with the NIT terms, BHEL will provide the calculation sheet (e.g. EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for noncompliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
10. Reverse auction will be conducted on scheduled date & time.
11. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
12. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, as provided on case-to-case basis to Service provider within two working days of Auction without fail.
13. The envelope sealed price bid of successful L1 bidder in RA shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price).
14. If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid, the bidder will be issued a warning letter to this effect. However, if the bidder repeats again it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors.

15. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.

16. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before Reverse Auction event. Bidders should acquaint themselves of the "Business Rules of Reverse Auction", which will be communicated before the Reverse Auction.

17. 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 the results of the RA scrapped/ aborted.

18. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.

19. In case BHEL decides to go for reverse auction, the H1 bidder(s) (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

20. In case of tie for H1 bid (identical online sealed bids), 15 minutes additional time shall be provided and all the participating bidders shall be informed by mail / message on bidding screen to enable bidders submit revised online sealed bids so as to break the tie.

4.0	DEFINITIONS & OTHER TERMS
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Fixed price: Prices quoted by the bidder shall be fixed and not subject to any escalation whatsoever during the period of bid validity and execution of the Purchase Order. A bid submitted with an adjustable price will be treated as non-responsive and rejected. Prices shall be written in words and figures. In the event of difference, the price written in words shall be valid and binding.

Bid currency: Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit the bid in their home currency, which should be clearly indicated in the un-priced commercial bid as well as in the price bid.

Taxes and Duties: 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 BHEL will not be liable for payment of such Taxes and Duties.

BHEL Trichy: Our TIN No. 33243560005, TNGST No. 3560005, CST. No. 239383 Dt. 11-06-1991 & BHEL ECC No. AAACB4146PXM012, Assessment circle Tiruverumbur.

BHEL,Thirumayam: TIN No. 33243560005, TNGST No. 3560005, CST. No. 239383 Dt. 11-06-1991 & BHEL ECC No. AAACB4146PEM025, Assessment circle Pudukottai.

In case taxes and duties are indicated as inclusive in the quoted prices, it will be reimbursed only upon furnishing the documentary evidence for having paid such taxes and duties. Any difference in taxes (on account of reduction in the levies) between what has been paid by BHEL to the vendor (based on what has been indicated in the Purchase Order) and actually paid by vendor should be passed on to BHEL.

For services rendered by the foreign vendor in India (like Erection & Commissioning supervision etc.) Income Tax (IT) shall become payable by the Foreign vendor. Hence, Foreign bidders are requested to take care of the IT payment during submission of tender.

If the foreign vendor possesses Indian PAN CARD (Permanent Account Number) Registration, the details of the same shall be furnished along with the Un-priced Bid cover (Part-II) with documentary evidences (PANCARD copy) for Income Tax purposes (concessions).

Cenvat & VAT credit: (applicable for Indian Bidders only) the quotation must indicate Tariff item number and rate of Excise Duty applicable. The original Excise Duty Gate Pass will be required to be furnished in case Excise Duty is applicable. If the bidder is availing Cenvat credit for his input materials, the effect of proforma credit should be passed on to BHEL.

Packing: The Supplier shall arrange for packing suitably in all respects considering the peculiarity of the material involved for normal safe transport by sea / air / rail / road and suitably protected against effect of tropical salt laden atmosphere in the event of shipment being delayed at ports.

Salient points of HSE (Health Safety & Environment) that are to be considered while submission of offer are:

- Consumption benchmarks related to output shall be provided wherever applicable for key input resources (energy/fuel/chemicals)
- Competency requirements for operation, maintenance and calibration, if any, shall be communicated
- If any hazardous chemicals as per MSIHC (Manufacturing, Storage and import of such Hazardous Chemicals) Rules 1989/94/2000 are used, the MSDS shall be provided along with On site & Off site emergency plan (as applicable)
- The noise level at operator level shall be within 80 dBA
- OH&S (Occupational Health and Safety) control measures for safe working of machine as applicable shall be specified.
- The machine / equipment shall be fitted with guard for rolling and moving parts and shall comply with applicable OH&S legislations and Factories Act 1948
- The supplier shall submit the layout drawing of operating controls, displays etc. Along with operating instructions to enable ergonomics evaluation and approval.
- The recommended list of PPE (Personal Protective Equipment) for the equipment shall be furnished.
- Alarm system (both visual and audible) and Automatic switch off of the equipment shall be provided for any intrusion, overloading, short circuiting or any malfunctioning of the equipment.
- Details of all hazardous / harmful substances discharged as by-products / wastes during operations of the machine / equipment, such as fumes, gases, dust particles, aerosols UV/IR (Ultra violet / infra red) radiations etc., shall be furnished along with their concentrations and their TLV, (Threshold Limit Value).
- Appropriate pollution control measures shall be proposed to keep the emissions from the machinery / processes within the prescribed limit as stated in Environment Protection Rules 1986.
- All furnaces, process units, DG sets, paint booths, shot blasting chambers, etc. shall be provided with stack(s) of sufficient height as per guidelines laid down in the Environment Protection Rules 1986.
- Wherever industry specific standards are not available for control of pollutants, general emission standards shall be used.
- Chemicals banned due to their negative impact on the environment shall not be used in the process.

- Fuels with sulphur content less than 0.05% shall be proposed.
- Details regarding nature of waste generated and appropriate disposal practices available shall be provided, along with the operation procedure of the plant / process. Hazardous chemicals and flammable substances shall be transported only through authorized transporters and all safety practices as laid down in applicable legislative requirements such as Central Motor Vehicle Rules, Manufacture, Storage and Import of Hazardous Chemical 1989, etc. shall be followed
- Primary materials used in the equipment shall be specified and they shall be eco-friendly

Force Majeure clause:

If at any time during the continuance of the contract the performance in whole or in part by either party of any obligations under the contract is prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) and notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof then neither party shall by reason of such events be entitled to terminate the contract. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason of occurrence of such events, then claims for extension of time shall be granted for period considered reasonable by the purchaser subject to prompt notification by the seller to the purchaser the particulars of the events, if required with supporting evidence. Any waiver of time in respect of partial instalment shall not be deemed to be a waiver of time in respect of remaining deliveries.

Agency agreement from foreign suppliers for their Indian agents:

Based on Ministry of Finance vide circular dated 31/01/1989 the following are compulsory:

- Registration of Indian agents of a foreign supplier.
- Precise relationship between foreign suppliers and their Indian agents and their mutual interest in the business, should be clearly spelt out.
- Any payment, which the agent receives in India or abroad, from the foreign supplier, whether as a commission or as a general retainer fee, also needs to be brought on record and made explicit so as to ensure compliance to tax laws and to prevent leakage of foreign exchange.
- All services to be rendered by the agent, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier and the Indian agent.
- The amount of agency commission agreed to between the foreign principal and the Indian agent should be specifically disclosed and the agency commission will be paid in Indian Rupees only.
- A copy of the Agency Agreement with the above details shall be provided.

Short shipment / Warrantee replacement:

In case of any short-shipment during initially supply, subsequently dispatched by the supplier or any warrantee replacement dispatched during the warrantee period shall be dispatched on "DDP – Delivered Duty Paid BHEL Stores" basis for foreign suppliers and "FOR BHEL Stores" basis for Indian suppliers.

Inspection & Testing: All goods shall be subject to inspection by BHEL or its authorized representatives at supplier's works or at BHEL Stores. 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.

5.0	GENERAL
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Tenders will have to be submitted by the Original Equipment Manufacturers only and the offered equipment shall be “New”. Offers for Re-built / Re-conditioned / Used equipments will not be accepted. Incomplete offers will not be considered for evaluation.

Evaluation of offers shall be on “Net Cash Outflow to BHEL basis”.

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

Any transaction / communication pertaining to the tender carried out by the bidder and BHEL round the clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business.

In case Letter of Intent (LoI) is issued through email, the computer generated time and date of mail shall be construed as the official time and date of release of LoI. In as much as this date is within the last date of validity given by the bidder the LoI is said to have been issued within the validity period and shall be binding on both the parties to the business.

Suspension of Business Dealings with defaulters:-

BHEL shall take action against suppliers by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business/ money/ reputation, indulge in malpractices, cheating, bribery, fraud or any other misconduct or formation of cartels so as to influence the bidding process or influence the price etc. Such action under Suspension of Business Dealings could be in the form of “Hold” or “Banning” a supplier or a bidder or an applicant for registration as a registered supplier. The detailed guidelines is available at our www.bhel.com.

Also, Bidders participating in the tender should declare in their technical bid that whether they have been black-listed / kept on hold for a specified period / given Business holiday for a specified period by any Public sector undertaking or Government departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to BHEL. If no such details are mentioned in the offer then it will be construed that the subject bidder is not under any such hold. But at a later date if it comes to the notice of BHEL about any such hold under enforcement on the subject bidder, BHEL will have every right to reject the offer of such vendors at any point of time and also under any stage of the finalisation of the subject tender irrespective of the status of the subject bidder in that tender. Such bidders will not be permitted to participate in the further tender proceedings and will be communicated suitably. They will not be also considered for any ongoing enquiries even if participated till the hold is officially lifted and confirmed in writing.

6.0	SPECIAL PROVISIONS APPLICABLE FOR MSE VENDORS
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In line with the Gazette Notification issued by Ministry of Micro, Small and Medium Enterprises on MSE suppliers 20% of the tendered quantity is earmarked for MSE suppliers. Out of the 20% tendered quantity earmarked 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 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.

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.

Authorized 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.

7.0	FRAUD PREVENTION POLICY:
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“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.”

8.0	ARBITRATION:
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All disputes between the parties to the Contract, arising out-of or relating to the Contract, other than those for which the decision of the BHEL, Trichy, or Accepting Officer or any other person is by the Contract expressed to be final and conclusive shall after written notice by either party to the Contract to the other party be referred to the sole Arbitration of Executive Director or other Officers of BHEL appointed as Arbitrator, by the Executive Director of BHEL in his sole discretion.

Unless the parties otherwise agree, such reference shall not take place until after the completion, alleged completion or abandonment of the work of the determination of the Contract.

The venue of Arbitration shall be such a place or places as may be fixed by the Arbitrator in his sole discretion. The award of the Arbitrator shall be final, conclusive and binding on both parties to the Contract.

Jurisdiction: In case of any suit or other legal proceedings arising under or relating to this Contract, the courts at Trichy, Tamil Nadu only shall have the Jurisdiction and is only after exhausting the, Arbitration.

Compliance Form NO: TRY/IND/06	
BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI	
CAPITAL EQUIPMENT /MATERIALS MANAGEMENT	
Compliance Form FOR ACCEPTANCE OF COMMERCIAL TERMS AND CONDITIONS BY INDIGENOUS VENDORS	
(This should be essentially filled in and sent along with the techno-commercial offer without fail. If this Compliance Form 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, the offer is liable for rejection)	
(TENDER REQUIRING EMD, CEBG and PBG)	
Description of the Equipment: Heating, Ventilation and Air Conditioning System (01 No.)	
BHEL Tender No. & Date: 2731700004 dt.28.03.2017	
PART I of Tender: EMD/SWIFT message Copy + Technical Bid + Unpriced Bid + this Compliance Form	
PART II of Tender: Price Bid	
ENQUIRY TERMS & CONDITIONS	Vendor's Confirmation
1.0 PRICE BID:	
Price Bid should contain the schedule of price particulars and to be co-related to the technical details provided in Part I. Techno-commercial bid alone without the Price Bid will be rejected. The prices contracted shall be firm till the execution of the contract in full and in all respects.	Accepted
The bidder has to quote charges for 'Supply' and 'Erection & Commissioning' separately. The evaluation of tender shall be on the basis of "NET CASH OUTFLOW VALUE (total cost to BHEL). In case the Enquiry contains more than one line item, then the price bid shall be submitted in separate sealed envelope for each individual line item.	
2.0 VALIDITY:	
Validity of the offer should be 120 days from the date of tender opening. BHEL reserves the right not to consider offers from vendors with validity less than 120 days from the date of tender opening.	Accepted
3.0 EARNEST MONEY DEPOSIT (EMD):	
In Order to ensure that the successful bidder / vendor does not refuse to execute the Order, after award of the same on him, each bidder / vendor will be required to furnish Earnest Money Deposit (EMD) along with their tender. EMD by the Tenderer will be forfeited as per Tender Documents if, after opening the tender, the Tenderer on his own makes variation in his earlier quoted rates or revokes/change any other condition of his tender within the validity period.	Accepted
EMD is to be submitted in cash (as permissible under Income Tax Act), Pay Order or Demand Draft or through e-payment (as per the details given below). DD shall be in favour of "Bharat Heavy Electricals Limited, Tiruchirapalli". BHEL Bank Details: BENEFICIARY: BHEL ACCOUNT NO: 10891588977 IFSC Code: SBIN0001363 (used for RTGS, IMPS and NEFT transactions) SWIFT: SBININBB190 BANK: STATE BANK OF INDIA BRANCH: HE / KAILASAPURAM PLACE: TRICHIRAPPALLI 620014, INDIA. Pls note that after e-transfer (EMD amount), pls submit the remittance copy (scanned version) to BHEL through email and the hard copy should be submitted along with the offer in Part -I sealed envelop.	
MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed as per Annexure - I) applicable for the year, 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. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents.	
3.1 RETURNING OF EMD:	
EMD given by all unsuccessful Tenderer shall be refunded on award of LOI/PO on successful Tenderer. The EMD of successful bidder shall be returned after submission of CEBG. EMD shall not carry any interest.	Accepted
3.2 The EMD amount for this Tender will be (INR) :	2,00,000
4.0 RELEASE OF PURCHASE ORDER:	
Purchase Orders will be released separately for supply and service portion on the successful vendor.	Accepted
5.0 PAYMENT TERMS:	

	For SUPPLY P.O.: 80% payment of Supply P.O. value shall be made within 45 days from the date of receipt of material at BHEL. For BALANCE OF SUPPLY P.O. & SERVICE P.O. Balance 20% of Supply value plus 100% of the E&C portion of PO value will be paid against Final Minutes of Meeting for E&C, jointly signed by BHEL and Supplier and submission of Performance Bank Guarantee (PBG)	Accepted
5.1	Bank Guarantee and Loading against non acceptance of BHEL's Payment Terms:	
	If any Bidder requires a payment exceeding 80% of the PO value, such bidder have to submit Advance Bank Guarantee (ABG) in the prescribed Format for the amount over and above 80% but restricted to 90% of the PO value, along with the invoice / despatch documents. This ABG shall be valid up to the date of Final Minutes of Meeting for E&C for the equipment. Additionally, for any deviation sought as mentioned above, in Payment Terms by bidder w.r.t. tender conditions, the following loading pattern shall be followed: Base Rate of SBI as applicable on the scheduled date of tender opening + 6%, for the amount & period of relaxation sought by bidder.	Accepted
6.0	Value for Erection & Commissioning at BHEL:	
	Erection & Commissioning (E&C) value will include services to be rendered at BHEL like erection, commissioning, job proving, training to operators, supervising foundation work etc. (to be together called as E&C). E&C is in the scope of supplier, and hence the E&C value should be quoted separately.	Accepted
	E&C value should be quoted separately by Bidders. Only in case where quoted value is less than the minimum value indicated below or separate E&C values are not mentioned in the offer, value for E&C portion shall be deemed to be considered as the value indicated below and accordingly supply value will be adjusted from that quoted value and the balance will be released as E&C payment. The bidder, however, can choose to quote the E&C value higher than the below mentioned minimum E&C value (%) and suitably apportion the supply value.	Accepted
	COST OF ERECTION & COMMISSIONING PORTION QUOTED BY VENDOR (%) - (Should be equal to or more than 15%)	
	In case of non-acceptance to split the cost of the equipment into supply portion and E&C portion, then the Payment of 65% against supply will be reduced to (80% - 15%)	
	In such cases, the balance amount (35%) payable after commissioning	
7.0	Taxes & Duties:	
	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 BHEL will not be liable for payment of such Taxes and Duties. BHEL,Trichy: TIN No. 33243560005, TNGST No. 3560005, CST. No. 239383 Dt. 11-06-1991 & BHEL ECC No. AAACB4146PXM012, Assessment circle Tiruverumbur In case taxes and duties are indicated as inclusive in the quoted prices, it will be reimbursed only upon furnishing the documentary evidence for having paid such taxes and duties. Any difference in taxes (on account of reduction in the levies) between what has been paid by BHEL to the vendor (based on what has been indicated in the Purchase Order) and actually paid by vendor should be passed on to BHEL.	Accepted
8.0	Delivery terms, Delivery period required and evaluation process:	
8.1	Delivery terms: F.O.R BHEL Stores High Pressure Boiler Plant, Tiruchirappalli 620014	Accepted
	Basis of Delivery Terms :	
	Price break-up details like Basic price, P&F,Taxes & Duties, Freight and Insurance etc., should be indicated in the offer.	Accepted
8.2	Delivery period: The equipment enquired forms a part of an expansion program (Scheme) and the delivery period mentioned below has been derived keeping in view of the Scheme completion date. Vendor shall comply with this required period.	
	Bidder should quote time period separately for 'Supply' and 'E&C' of equipment.	
	(a) Supply period :- For Supply portion, duration shall be counted from the date of Purchase Order. Vendors are required to indicate the best delivery period i.e., time period required for dispatch (LWB date) from the date of Purchase Order in the "Vendor's confirmation" below. Order acceptance, submission of CEBG, drawings etc., should not be linked to the delivery period.	Accepted
	DELIVERY PERIOD (in months) REQUIRED BY BHEL (SUPPLY PORTION)	4 Months
	DELIVERY PERIOD (in months) OFFERED BY VENDOR (SUPPLY PORTION)	
	(b) E&C period :- Duration shall be counted from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.	
	E & C PERIOD (in months) REQUIRED BY BHEL (E & C PORTION)	2 Months
	E & C PERIOD (in months) OFFERED BY VENDOR (E & C PORTION)	

	However, while evaluating the offers, those offers which are not conforming the requested delivery period and E&C Period, COMMERCIAL LOADING @ ½% of the purchase order value per week will be done for the EXTRA PERIOD requested. For evaluation purpose 4 weeks will be considered as one month. Commercial loading on the offered price will be done during evaluation of the offers	Accepted
	BHEL reserves the right to accept an offer not meeting the NIT delivery. However based on the scheme requirement, the Technically Suitable offerers would be requested to reduce their offered delivery schedule and in case if it is not meeting BHEL requirement or maximum limit considered by the Technical Committee, the offer may become liable for rejection.	Accepted
9.0	CONTRACT EXECUTION BANK GUARANTEE (CEBG):	
	The successful vendor shall have to furnish a Contract Execution Bank Guarantee (CEBG) for 10% of the Total PO value (Supply + E&C) in the format enclosed within 30 days from the date of PO but before L/C opening. If the supplier fails to submit the CEBG within 60 days from the date of PO, BHEL reserves the right to cancel PO and forfeit the EMD given by the supplier. Additionally, in such case, action will be initiated in line with extant guidelines for Suspension of Business dealings with Suppliers. Validity of CEBG shall be till the completion of Erection & Commissioning of equipment including job proving, performance tests etc. i.e. issue of Final Minutes of Meeting for E&C by BHEL, as prescribed in PO with additional 2 months as claim period.	Accepted
	CEBG shall be kept valid till the PBG becomes operational. i.e. up to 30 days after the date of Final Minutes of Meeting for E&C issued by BHEL	
	Validity of CEBG = Delivery period + Transit time of 1 month + Commissioning period + 1 month (for arranging PBG) + 2 months for claim period	
10.0	PERFORMANCE BANK GUARANTEE (PBG):	
	The vendor shall submit a Performance Bank Guarantee (PBG) for 10% of the Purchase Order value in the format enclosed covering the agreed Guarantee period (with additional 2 months as claim period).	Accepted
	The Bank Guarantees (CEBG & PBG) shall be issued exactly as per the BHEL Format attached with this Tender (without any deviation) by any one of the Consortium Banks of BHEL (List Enclosed) or from a reputed Bank and confirmed by any Consortium Bank of BHEL.	Accepted
	All bank charges incurred on account of issuance of CEBG and PBG will have to be borne by the	
	1) It should be typed in the <u>INR 100 value of stamp paper.</u>	
	(2) It should be <u>signed by TWO bank officials</u> with Rubber stamp containing names & employee numbers of bank officials.	
	(3) It should be submitted with bank covering letter with sign and seal of the bank official.	
	Offers from vendors not accepting to submit CEBG and PBG <u>are liable for rejection.</u>	
11.0	LIQUIDATED DAMAGES (LD):	
	a) 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'. The rate of LD for delayed Supply shall be @ 0.5% per week of delay of total PO value (Supply + E&C) in supply subject to a maximum of 10% of total PO value (Supply + E&C). The rate of LD for delayed E&C shall be @ 0.5% per week of delay of total PO value (Supply + E&C) in E&C subject to a maximum of 10% of total PO value (Supply + E&C).	Accepted
	Maximum LD for delay in Supply and E&C together shall be limited to 15% of total PO value (Supply + E&C).	
	In case PO includes more than one machine, the LD will be levied @ 0.5% per week of delay on PO value (Supply + E&C) for each individual machine.	
	b) For the purpose of LD for delay E&C of the equipment the duration will be reckoned from the date of intimation by BHEL to vendor for readiness of site. c) Loading on account of non-acceptance of LD for delayed Supply and/or E&C shall be as under: In case any bidder is not accepting the above LD for delayed Supply and/or E&C, the offer of bidder shall be loaded to the extent to which it is not agreed by the bidder.	
	d) Supply period indicated by bidder should include reasonable time required for approval of drawings and other inputs from BHEL. In the Techno-Commercial Bid, the bidder shall submit milestones for various activities in co-relation with Supply and E&C period quoted by him.	
	For the purpose of levying LD, the date of shipment (LWB date) will be considered.	
	Loading Factor for non-acceptance of LD clause for delayed Supply and/or E&C: In case any bidder is not accepting the above LD clause for delayed Supply and/or E&C, the offer of bidder shall be loaded to the extent to which it is not agreed by the bidder .	
12.0	SHORT SUPPLY / WARRANTY REPLACEMENT:	
	In case, any shortage is noticed vis-a-vis PO requirement in the main equipment / spares, such shortages shall be replenished by supplier on FOR destination basis without any cost implication to BHEL for such short supplies shall be borne by the supplier. Warranty Replacements during Guarantee period at supplier's cost on FOR BHEL Works basis.	Accepted
13.0	RISK PURCHASE:	

	If the supplier fails to deliver the goods within the delivery specified in the Purchase Order, BHEL will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the supplier either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the delivery period mentioned in the Purchase Order. BHEL reserves the right not to consider offers from vendors not accepting the above Risk Purchase terms.	Accepted
14.0	GUARANTEE:	
	Vendors shall provide a guarantee for 12 months from the date of commissioning of the equipment or 18 months from the date of supply, whichever is earlier. The date of LWB shall be taken as the date of supply. Offers from vendors not accepting to the requested guarantee period are liable for rejection.	Accepted
15.0	REVERSE AUCTION (RA):	
	BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA. In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit "Process compliance form" as well as "online sealed bid" in the Reverse Auction. Non-submission of above by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines of Suspension of business dealings in vogue. The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates. If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com)." BHEL reserves the right not to consider offers from vendors not accepting to the RA process for finalization of the enquiry.	Accepted
16.0	CONTACTS:	
	Details of contact person's name, designation, department with complete postal and email address along with phone and fax numbers to be mentioned	
	Name:	
	Designation:	
	Email ID:	
	Phone No.:	
	Mobile No.	
	Fax No.:	
	Address:	
	Weight & Cubage of package:	
	Approximate Net weight of the total consignment:	
	Approximate Gross weight of the total consignment:	
	Approximate volume of the total consignment:	
	The vendor to provide Audited Balance Sheet & Annual Report signed by the Auditors (or) Bank Credit Statement signed by the Bankers for past consecutive four years from the date of tender opening.	
	We have gone through and understood the 'General guidelines & instructions to bidders for submitting offer' enclosed as a part of the NIT and confirm that our offer has been made in line with the same and the confirmations given in the above compliance form supercede any other standard information provided in our quotation.	
	Signature with date: (AFFIX OFFICIAL SEAL HERE)	
	Name:	
	(PLEASE AFFIX YOUR SIGNATURE WITH SEAL ON EACH PAGE)	

UN-PRICED BID FORMAT TO BE FILLED UP BY THE VENDOR AND ATTACHED WITH THE TECHNICAL BID WITHOUT FAIL , FOR CONSIDERING AND COMMERCIALY EVALUATING THE OFFER.			
Enquiry No. & Date:			
Description of the item(s) Enquired:			
1	BASIC PRICE	Quoted as Ex-works price	
2	Delivery Terms – F.O.R. BHEL Trichy / Thirumayam (to be necessarily accepted). Freight and Insurance under Vendor's scope only – but charges if claimed extra can be paid by BHEL	Accepted	
Strike Off whichever is not applicable & Fill up the Blank spaces /percentages (If VAT/CST/Service Tax is not applicable, please specify the same in the Special Remarks column)			
3	Packing & Forwarding Charges	Inclusive / Extra / Nil	
	If Extra please mention the % of P&F	_____ %	
4	Excise Duty with Cess	Inclusive / Extra / Nil	
	If Extra / Inclusive please mention the % of ED with Cess	_____ %	
5	CST	_____ % (against Form "C")	_____ % (without Form "C")
6	VAT	_____ % (against Declaration)	_____ % (for No Declaration)
7	Freight Charges (for total Quantity)	Inclusive / Extra / Nil	
	If Extra please mention the % of Freight charges	_____ %	
8	Service Tax on Freight charges @ 4.5% (if extra freight bill to be submitted)	Inclusive / Extra / Not applicable	
9	Insurance Charges	Inclusive / Extra/ Nil	
	If Extra please mention the % of Insurance	_____ %	
10	Erection & Commissioning (E&C) / Supervision of E&C charges (to be quoted mandatorily, minimum % as per compliance form)	_____ %	
11	Service Tax on E&C @15%	Inclusive / Extra / Not applicable	
Offer Ref.			
Special remarks, if any			
Signature of the vendor with Company Seal			



An ISO 9001 Company

Bharat Heavy Electricals Limited
(High Pressure Boiler Plant)
Tiruchirappalli-620014, Tamil Nadu, India
MM/CAPITAL EQUIPMENT/MODERNISATION

ANNEXURE – E

PERFORMANCE BANK GUARANTEE BOND

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, Tiruchirappalli- 620014 (hereinafter called 'the Company') having entered into a contract withhereinafter called 'the said Supplier and under the terms and conditions of the Purchase Order No..... Dt Between BHEL, Tiruchy and as per the Purchase Order, the Supplier is to furnish a performance Bank guarantee for Rs. for the due performance of the equipment to be supplied under the above referred Purchase Order and for the fulfilment of all the terms and conditions of the Purchase Order, We(indicate the name of the bank) (herein after referred to as the bank) at the request of (Supplier) 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 Supplier of any of the terms and conditions contained in the said Purchase Order.

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 Supplier of any of the terms and conditions contained in the said Purchase Order or by the reason of the Supplier's 'failure to perform' the said Purchase Order. 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 Supplier 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 there under and the Supplier 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 Purchase Order and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Purchase Order have been fully paid and its claims satisfied or discharged or till Office / Department / Division of the Company certify that the terms and conditions of the said Purchase Order have been fully and properly carried out by the said Supplier and accordingly discharge 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 **and Payable only by any one of the BHEL Consortium Banks in India (List is attached herewith** 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 BHEL dispatched by Registered Post with Ack. Due or by Telegram or by any Electronic media addressed to the Bank(**any one of the BHEL Consortium Banks as per list attached as selected by the vendor**) 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 Purchase Order or to extend time of performance by the said Supplier 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 Supplier and to forbear or enforce any of the terms and conditions relating to the said Purchase Order and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said Supplier or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Supplier 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 Supplier.

8. It shall not be necessary for the Company to proceed against the Supplier 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 Supplier 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 Tiruchirappalli.

10. The guarantor hereby declare that it has power to execute this guarantee and the executants 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

The contact details of the Issuing Bank such as Email ID, Phone No. And Fax No. Should be indicated in the PBG Also please note that the PBG should be forwarded to us with the covering letter of the issuing Bank with signature and seal.

(1) It should be typed in the Rs. 100 value of stamp paper.

(2) It should be signed by TWO bank officials with Rubber stamp containing names & employee numbers of bank officials.

(3) It should be submitted with bank covering letter with sign and seal of the bank official.

Please note that issuance of the PBG without meeting the above requirement will render the document invalid.

The Bank Guarantee bonds (BG) are to be submitted on non-judicial stamp paper of Rs. 100/- and should be only from any one of the below mentioned Banks in India.

LIST OF CONSORTIUM BANKS IN INDIA

(as on 15.12.2011)

List of Consortium Bank			
	Nationalised Bank		Nationalised Bank
1	Allahabad bank	19	Vijaya Bank
2	Andhra bank		Public Sector Banks
3	Bank of Baroda	20	IDBI
4	Canara Bank		Foreign bank
5	Corporation bank	21	CITI Bank N.A
6	Central bank	22	Deutsche Bank AG
7	Indian Bank	23	The Hongkong and Shanghai Banking Corporation Limited
8	Indian Oversea Bank	24	Standard Chartered Bank
9	Oriental bank of Commerce	25	The Royal Bank of Scotland N.V.
10	Punjab National Bank	26	J P Morgan
11	Punjab & Sindh Bank		Private bank
12	State Bank of India	27	Axis Bank
13	State Bank of Hyderabad	28	The Federal Bank Limited
14	Syndicate Bank	29	HDFC
15	State Bank of Travancore	30	Kotak Mahindra Bank
16	UCO Bank	31	ICICI
17	Union Bank of India	32	Indusind Bank
18	United Bank of India	33	Yes Bank

(1) It should be typed in the Rs. 100 value of stamp paper.

(2) It should be signed by TWO bank officials with Rubber stamp containing names & employee numbers of bank officials.

(3) It should be submitted with bank covering letter with sign and seal of the bank official.



An ISO 9001 Company

Bharat Heavy Electricals Limited
(High Pressure Boiler Plant)
Tiruchirappalli-620014, Tamil Nadu, India
MM/CAPITAL EQUIPMENT/MODERNISATION

ANNEXURE – G

CONTRACT EXECUTION BANK GUARANTEE BOND

This deed of guarantee made this day of 200. by the..... Bank Ltd, (hereinafter referred to as “the Bank”) in favour of Bharat Heavy Electricals Limited, Tiruchirappalli having its registered Office at New Delhi with its Unit Office at Tiruchirappalli where as M/s..... having its registered office at (hereafter called the “the Contractor”) have entered in to contract with Bharat Heavy Electricals Limited, Tiruchirappalli for the supply of vide Purchase Order No dated

1. We Bank Ltd, do hereby undertake to pay to Bharat Heavy Electricals Limited, Tiruchirappalli an amount not exceeding Rs..... against any loss or damage caused to or suffered or would be caused to or suffered by Bharat Heavy Electricals Limited, Tiruchirappalli by reason of any breach by the said Contractor of any of the terms or conditions contained in the said Purchase Order.

2. We, Bank Ltd, do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from Bharat Heavy Electricals Limited, Tiruchirappalli stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by Bharat Heavy Electricals Limited, Tiruchirappalli by reason of any breach by the said Contractor of any of the terms or conditions contained in the said Purchase Order or by reason of the Contractor's failure to perform the said Purchase Order. 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, Bank Ltd, further agree to the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Purchase Order and that it shall continue to be enforceable till all the dues of Bharat Heavy Electricals Limited, Tiruchirappalli under or by virtue of the said Purchase Order have been fully paid and its claims satisfied or discharged or till Bharat Heavy Electricals Limited, Tiruchirappalli certifies that the terms and conditions of the said Purchase Order have been fully and properly carried out by the said Contractor and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the we shall be discharged from all 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 **and Payable only by any one of the BHEL Consortium Banks in India (List is attached herewith)** notwithstanding the fact that the said enforcement is effected after the said date

For the purpose of this clause, any letter making demand on the Bank by Bharat Heavy Electricals Limited, Tiruchirappalli dispatched by Registered Post with Ack. Due or by Telegram or by any Electronic media addressed to the Bank (**any one of the BHEL Consortium Banks as per list attached as selected by the vendor**) 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.

4. We,.....Bank Ltd, further agree with Bharat Heavy Electricals Limited, Tiruchirappalli that Bharat Heavy Electricals Limited, Tiruchirappalli 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 Purchase Order or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by Bharat Heavy Electricals Limited, Tiruchirappalli against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Purchase Order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor or for any forbearance, act or omission on the part of Bharat Heavy Electricals Limited, Tiruchirappalli or any indulgence by Bharat Heavy Electricals Limited, Tiruchirappalli to the said Contractor or by any such matter of thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

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

We, Bank Ltd, lastly undertake not to revoke this guarantee during its currency except with the previous consent of Bharat Heavy Electricals Limited, Tiruchirappalli in writing.

In witness whereof we..... (indicate the name of Bank) have hereunto set out
Bank Seal the..... day month 200

The contact details of the Issuing Bank such as Email ID, Phone No. and Fax No. should be indicated in the CEBG. Also please note that the CEBG should be forwarded to us with the covering letter of the issuing Bank with signature and seal.

(1) It should be typed in the Rs. 100 value of stamp paper.

(2) It should be signed by TWO bank officials with Rubber stamp containing names & employee numbers of bank officials.

(3) It should be submitted with bank covering letter with sign and seal of the bank official.

Please note that issuance of the CEBG without meeting the above requirement will render the document invalid.

The Bank Guarantee bonds (BG) are to be submitted on non-judicial stamp paper of Rs. 100/- and should be only from any one of the below mentioned Banks in India.

LIST OF CONSORTIUM BANKS IN INDIA

(as on 15.12.2011)

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6	Central bank	22	Deutsche Bank AG
7	Indian Bank	23	The Hongkong and Shanghai Banking Corporation Limited
8	Indian Oversea Bank	24	Standard Chartered Bank
9	Oriental bank of Commerce	25	The Royal Bank of Scotland N.V.
10	Punjab National Bank	26	J P Morgan
11	Punjab & Sindh Bank		Private bank
12	State Bank of India	27	Axis Bank
13	State Bank of Hyderabad	28	The Federal Bank Limited
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(1) It should be typed in the Rs. 100 value of stamp paper.

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(3) It should be submitted with bank covering letter with sign and seal of the bank official.

Annexure - I

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 (Subsidiary which is not applicable)
Category/under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant