

## **Bharat Heavy Electricals Limited**

(High Pressure Boiler Plant)
Tiruchirappalli – 620014, TAMIL NADU, INDIA
MATERIALS MANAGEMENT

TITLE:

Design, Manufacturing, Supply and commissioning of 20 KWp Grid connect Solar PV power System

Phone: +91 431 2577331

Fax : +91 431 252 07 19

Email: srchandran@bheltry.co.in

Web: www.bhel.com,

http://tenders.gov.in

	Reference Number: Enquiry 2681200016	Enquiry Date: 20.01.12	Due date for submission of quotation: 21.02.12
•	ted to quote the En This is only a request	• •	and due date in all your an order

# Design, Manufacturing, Supply and commissioning of 20 KWp Grid connect Solar PV power System

BHEL commercial terms & conditions with Technical specifications can be downloaded from BHEL web site <a href="http://www.bhel.com">http://www.bhel.com</a> or from the Government tender website <a href="http://tenders.gov.in">http://tenders.gov.in</a> (public sector units) Bharat Heavy Electricals Limited) under enquiry reference "2681200016"

Tenders should reach us before 14:00 hours on the due date Technical bid will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.

Yours faithfully,

For Bharat Heavy Electricals Limited

DGM / Capital Purchase/ Manufacturing



429-002/A

# (INDIGENOUS BHARAT HEAVY ELECTRICALS LIMITED

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

PHONE: 2577645

GRAMS: BHARATELEC
FAX NO: 2520719

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E-mail: srchandran@bheltry.co.in Web:

endor Code : endor Name :	Enquiry No	Enquiry Date	Due Date for Quotation
	2681200016 - 79	20.01.2012	21.02.2012
	Please quote Enquiry N	o, Date and due date	in all

Please quote Enquiry No, Date and due date in al correspondences.

This is only a request for quotation and not an order

ltem	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10		NO	1.000	1.00	31.03.12

Design, manufacture, supply and commissioning of 20 kWp Grid connected
Solar PV power generating system asper the Qualifying Criteria in
ANNEXURE I and Specification & Scope of work asper ANNEXURE II.
Solar PV power System

## General Note:

Note:

Please submit your detailed offer in two part bid system i.e.
 Part-I. Technical and commercial (unpriced bid) in a sealed cover.
 Part-II. Priced offer in another separate sealed cover.

Both the covers shall be duly super-scribed with tender reference and due date of opening. These covers shall be put in a single cover duly super-scribed with tender reference and due date of opening and addressed to us.

- 2. Point-to-point confirmation to BHEL's specification and commercial terms & conditions shall be provided Annexure-A. All the Annexures should be filled and submitted along with the technical bid (no row shall be left blank), else your offer is liable for rejection.
- Offers with validity of less than 180 days and non-acceptance of LD.
   RP clause, PBG & Payment terms, will lead to rejection of submitted offer.
- 4. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working day.
- 5. All clarifications may be sought at least ten days prior to tender due date, from the undersigned with due written request.
- 6. BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions covering RA are

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

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

MANAGER / PURCHASE

S(FOSSIL BOILERS)

S. MANAGER ANDRAN

Purchase / CP, SP & WC BHEL, TRICHY - 620 014.

# संस्प इंग्रह सिर्देशी

# BHARAT HEAVY ELECTRICALS LIMITED

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

PHONE:2577645
GRAMS: BHARATELEC
FAX NO: 2520719

E-mail: srchandran@bheltry.co.in

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Web:

# 2681200016 / 20.01.2012

given in commercial terms and conditions (Annexure-A/Point no.14)

7. Corrigendum if any, with respect to this tender will be hosted only in the website http://www.bhel.com or http://tenders.gov.in. You are requested to visit the website regularly for updates.

List of Attachments:

- 1. Qualification Criteria- Annexure-I
- 2. Specification Annexure-II
- 3. Commercial Terms and Conditions Annexure-A
- 4. Model Price bid format-Annexure-B

## Enclosures:

"LD clause has to be confirmed without fail."

"Payment to vendors will be made only thro E-Payment mode"

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

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

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

MANAGER / PURCHASE (FOSSIL BOILERS) S. RAMADHANDRAN

Purchase / CP, SP & WC BHEL, TRICHY - 620 014

### ANNEXURE - I

# Design, manufacture, supply and commissioning of 20 kWp Grid connected Solar PV power generating system.

	power generating system.					
	QUALIFICATION CRITERIA					
S.No	Description	Vendor to specify details				
1.1	The bidder should be a approved by MNRE/ GOI, having a complete solar cell manufacturing and module manufacturing facility in India.(copy to be submitted)					
1.2	Bidder should submit a copy of ISO certification-9001 & 14001 for manufacturing facility from where the equipments will originate.					
1.3	Bidder should have commissioned minimum 3 nos of similar or higher capacity solar power system in the past 5 years (enclose evidence).					
1.4	Bidder should have supplied, installed & supported not less than 20 units at various locations/offices (enclose evidence).					
1.5	The Bidder should be in core business of manufacturing solar pv power generating systems and should have made net profits in the past three years. Copy of Audited financial statements for last three years to be enclosed.					
2	Bidder should furnish reference list of customers, with full contact details to whom Solar systems have been supplied in the past. The vendor should also submit following details which are necessary for qualifying their offer.					
2.1	Name and postal address of the customer or company where similar or higher capacity solar power system installed.					
2.2	Name, designation, contact phone numbers and email address of the contact person of the customer.					
2.3	Details of solar power system supplied.Month and year of Supply & commissioning.					
2.4	Performance certificate from the customer for the satisfactory performance of the solar power system supplied to them.					
2.5	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.					
3.1	The OEM should have technically qualified engineers who have expertise and certification to support the installations.					
3.2	Bidder should provide service after sales set up in Tamilnadu (by a qualified engineer). While a call centre is acceptable for logging support requirements however onsite support must be provided by a qualified engineer.					
3.3	Authorization certificate from the Principal Supplier should be submitted in case a Dealers/ Agents.					

ANNEXURE - II					
Des	Design, manufacture, supply and commissioning of 20 kWp Grid connected Solar				
	SPECIFICATION & SCOPE OF WORK				
S.No	Description	Vendor to specify details			
	Scope of Work:				
	Design, manufacture, supply of Solar PV System				
	Detailed planning of smooth execution of the project				
1.3	Testing, Installation & Commissioning of the complete system.  Scope of supply:				
	24V 230Wp Crystalline Solar Modules with Silver Anodized Aluminum frame.				
22	M.S galvanized Module Mounting Structures to mount Solar modules				
	Module Junction box IP 65 (weather resistant)				
	Array Junction Box IP65 (weather resistant)				
	120VDC input, 415V, 3-phase, 50Hz output Power Conditioning Unit				
	Appropriate Cables and Hardwares				
	AC Distribution board (ACDB)				
	Import & Export metering facilities				
	Specification for Solar Modules:				
3.1	Individual Solar PV Module should be of capacity 230 Wp conforming to IEC 61215 (Edition 2 or latest), IEC 61730, IEC 61710 for corrosive protection and manufactured in India in a plant certified under ISO 9001: 2008 & ISO 14001 and shall have, ESTI, UL, TUV and CE approval. (enclose copies of certificates)				
3.2	SPV modules should be type tested by any one of the three accredited test laboratories under MNRE (attach copies)				
3.3	The Solar PV Module should be made from not more than 60 Nos. 156X156 mm				
	single/poly crystalline Silicon Solar Cell connected in series.				
3.4	SPV module efficiency shall not be less than 13%.				
3.5	Module should be made up of high transmissivity glass front surface giving high encapsulation gain and hot butyl rubber edge sealant for module protection and mechanical support. Transmitivity of glass shall be not less than 91%.				
3.6	All materials used should have a proven history of reliable and stable operation in external outdoor applications.				
3.7	The bird spike shall be provided to avoid bird sitting on the solar modules at the highest point of the array/module structure.				
3.8	Solar modules should be designed to operate and perform in relative humidity up to 100% with temperatures between -10 Deg C and +85 Deg C and with stand draft up to 200km/hr from back side of the panel.				
	The rated output of any supplied module shall not vary by more than 3-5% from the average power rating of all ratings. Each modules, therefore, has to be tested and rating displayed. ( I-V characteristics curves).				
3.10	All the modules should be supplied with RFID as per MNRE.				
3.11	SPV module shall be highly reliable, light weight and shall have a service life of more than 20 years. SPV modules shall have a limited power loss of not more than 10% of nominal output at the end of 10 years and of not more than 20 % of nominal output at the end of 25 years.				
4	Specification for Module mounting stand:				
4.1	The Solar Module mounting structure should be made of hot dip galvanized MS angles & Pipes. All nuts & bolts shall be made of good quality stainless steel SS304. The minimum clearance of the lowest part of the module structure and the developed ground level should be 500 mm.				
4.2	The array structure shall be grounded properly using maintenance free earthing kit as per IS: 3043-1987, tested & certified by CPRI.				

S.No	Description	Vendor to specify details
4.3	The Solar Module mounting structure should withstand wind speed up to 200 km/h.	
4.4	The supplier/manufacturer should specify installation details of the PV modules and the foundation details.	
5	Specification for Power conditioning unit:	
5.1	Output Voltage: 415 volts three phase, 4 wire, Nominal voltage can be adjusted by ±5% via system set points.	
5.2	Output Frequency: $50Hz \pm 0.5\%$ ; Inverter to follow grid frequency up to $\pm 3Hz$ of the nominal output frequency during normal operation.	
5.3	Power rating: 20kVA continuous	
5.4	DC Link Voltage rating: 0 to 250 volts DC	
5.5	Control Type: Bidder to specify	
5.6	Waveform: Sine wave	
5.7	Total harmonic Distortion (THD): less than 3 %	
	Efficiency: more than 90 %	
	Degree of protection: IP-21	
	Alarm signals: Bidder to specify	
	LCD front panel to display all electrical parameters kWhr, kW, Voltage, Power	
5.11	factor, frequency etc.  PCU shall be capable to synchronize independently & automatically/to be phase	
5.12	locked with POWER SUPPLY AUTHORITY grid power line frequency to attain synchronization & export power generated by the solar panel to POWER SUPPLY AUTHORITY grid in addition to supply power to the loads.	
5.13	Should be equipped with all required controls and emergency stops. (Bidder should provide complete details of the system controls).	
5.14	Protections: a. Over voltage both at input & output; b. Over current both at input & output; c. Over/under grid frequency; d. Over temperature; e. Short circuit.	
6	Approval of System Design:	
6.1	The concept plan/design of each subsystem shall be submitted to BHEL for approval .	
6.2	Quality Assurance Plan should include design control, process control, quality control, testing of sub-system, integration and bill of material intended to be used.	
7	Documentation:	
7.1	The following documents in English language should be supplied along with the system.	
7.2	Hard Copies - 3 Sets Vendor to confirm	
	In CD form - 1 Set Vendor to confirm	
	Operating manuals of System & PCU.	
7.5	Maintenance manuals with drawings of PCU, system assemblies / sub-assemblies with parts list.	
7.6	Trouble shooting chart for main and all sub systems	
	Catalogues, O&M manuals for all bought out items used in the system.	
8	Pre-Dispatch Inspection:	
	Solar PV panel power generating system with all sub-systems and accessories shall be assembled and offered for inspection by BHEL Engineers at supplier's works. Supplier shall prove the performance of a sample module in their work during inspection.	
9	Guarantee:	
	24 months performance guarantee for the system should be given from the date of successful commissioning.	

# 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 herein, BHEL reserves the right to reject such offers)

### **CHECK-LIST FOR VENDORS**

SI No	DESCRIPTION	
1.	The Bidders shall submit their offer in <b>TWO INNER ENVELOPES</b> as indicated below which shall be sealed in one outer envelope.	
	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 <u>price details</u> . This envelope should be clearly marked <u>"Part II - Price bid"</u> , 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.	
	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 above offer should reach this office on or before the due date by 14.00 Hrs (IST). Late offers will not be considered.	
	Tender should not be addressed to any Individual's name but only by designation to:	
	DGM / CAPITAL PURCHASE / MFG BHARAT HEAVY ELECTRICALS LIMITED HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620 014 TAMIL NADU, INDIA	
	Tenders should be free from <b>CORRECTIONS AND ERASURES.</b> 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.	
	Offers should be in <b>ENGLISH</b> and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in <b>ENGLISH</b> or otherwise, the offers will not be considered.	
2.	OPENING OF TENDERS	
	The Part I- Technical & commercial bid would be opened on the Tender opening date.	
	Part-II, Price bid of technically suitable Bidders alone would be opened after complete evaluation of Part-I. BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed bid, which will be decided after technical evaluation. Information and general terms and conditions covering RA are given in this Annexure- A (Point no.14).	
	Date and time of Price Bid (Part-II) opening / RA conducting date shall be intimated to the technically and commercially acceptable bidders only. Clarifications if any required by BHEL for Technical evaluation would be sought from bidders before opening of Part II - Price Bid/ RA	
3.	TAXES AND DUTIES :	
	All Taxes and Duties payable as extra to the quoted price should be specifically stated in offers along with CST &	

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 Reg No (STC)- AAACB4146PST006. Assessment circle Tiruverambur.

Cenvat credit & VAT credit (for Indian Bidders only): If any Excise Duty is payable, the chapter head / sub-head reference and the rate of the duty should be quoted. If the tenderer is availing CENVAT credit for his input materials, the effect of proforma credit should be passed on to the purchaser

#### Income Tax applicable

Any service charges payable towards supervision of E&C, training, performance prove-out etc., will be released after deduction of Income Tax as per Indian Income Tax Act / as per the Govt. of India rules and TDS certificate will be issued by BHEL for such deductions. Applicable service tax on E&C charges will be payable extra. The liability of depositing the same to the Govt. will be of the supplier

### Bharat Heavy Electricals Limited TIRUCHIRAPPALLI/CAPITAL PURCHASE Annexure-A

	w shall be left blank. Please indicate NA, in case the item is "not applicable"	Vendor's confirmati
4.	Validity: Validity of the offer should be 180 days from the date of tender opening.	
5.	Release of Purchase Order, submission of PBG and terms of Payment:  Purchase Orders (separate for supply and service portion if applicable) will be released on the successful vendor.  Payment terms for Indian suppliers: 100% payment, within 45 to 90 days, after receipt / acceptance / commissioning of equipment at BHEL, Tiruchi against submission of 10% PBG for total order value.  Erection & Commissioning Portion (if applicable only): 100% of the Erection / commissioning charges (in case contract involves erection/commissioning) shall be paid only on completion of such erection / commissioning at BHEL.	
6.	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 dispatch or 12 months from the date of receipt / acceptance / commissioning of the equipment at BHEL, Tiruchi 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  1.DEUTSCHE BANK 2.HDFC BANK 3.ANZ GRINDLAYS BANK 4.CITI BANK 5.STANDARD CHARTERED BANK 6.BANK OF AMERICA 7.ABN AMRO BANK 8.IDBI LTD 9.ICICI BANK LTD 10.THE HONGKONG AND SHANGHAI	
	LIST OF NATIONALISED BANKS  1.ALLAHABAD BANK 2.ANDHRA BANK 3.BANK OF INDIA 4.BANK OF BARODA 5.BANK OF MAHARASTRA 6.BHARATH OVERSEAS BANK 7.CANARA BANK 8.CENTRAL BANK OF INDIA 9.CORPORATION BANK 10.DENA BANK 11.INDIAN BANK 12.INDIAN OVERSEAS BANK 13.OREINTAL BANK OF COMMERCE 14.PUNJAB NATIONAL BANK 15.PUNJAB & SIND BANK 16.STATE BANK OF INDIA 17.STATE BANK OF TRAVANCORE 18.STATE BANK OF MYSORE 19.STATE BANK OF BIKANER & JAIPUR 20.STATE BANK OF HYDERABAD 21.STATE BANK OF PATIALA 22.STATE BANK OF MAHARASTRA 23.STATE BANK OF SOURASTRA(SBI-13.09.08) 24.SYNDICATE BANK 25.UCO BANK 26.UNION BANK OF INDIA 27.UNITED BANK OF INDIA 28.VIJAYA BANK	
	If PBG is issued by a Foreign counter part of the BHEL consortium Indian Bank, in case of claim against the PBG, it will be lodged in any one of the Indian counters of the Foreign Bank which issued the PBG.	
7.	Liquidated damages (LD):	
	It is clearly understood among the parties to the contract that "Time is the essence of the contract". Therefore, the delivery of the goods specified in the purchase order should be made within the time prescribed. Where the seller supplies or dispatches the goods, beyond the delivery period specified, the purchaser will have no obligation to accept the goods. If accepted, Liquidated Damages at the rate of ½ % of the value of goods delayed for each week of delay subject to a maximum of 15% of the order value will be levied. Liquidated Damages @ ½ % per week subject to a maximum of 15% of the Erection Charges shall be applicable for delay in the Period for completion of the Retrofitting / Reconditioning work (if applicable only).	
8.	For the purpose of Imposing LD, the FOB delivery (B/L date) shall be considered. BHEL reserves the right to reject offers from vendors not accepting the above LD clause, with maximum LD as 15%.  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 dispatch 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.	
9.	Delivery terms and evaluation process:  Indian Bidders should submit their offer on FOR BHEL, Tiruchy basis. Packing & Forwarding and Freight & Insurance charges from works to BHEL, Tiruchy 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)	

### Bharat Heavy Electricals Limited TIRUCHIRAPPALLI/CAPITAL PURCHASE Annexure-A

	No row shall be left blank. Please indicate NA, in case the item is "not applicable"	Vendor's confirmation
10	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.	
	Also, a PBG has to be given which shall cover the guarantee period (with additional 2 months as claim period).  Offers from vendors not accepting the requested guarantee period will be rejected.	
11.	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.	
12.	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.	
13.	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.	
14.	Reverse Auction (RA):  BHEL reserves the right to conduct on-line internet Reverse Auction for finalizing the Tender.  This decision will be communicated to the technically qualified vendors after technical 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 finalization of the enquiry.	
	<ol> <li>For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.</li> <li>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.</li> <li>BHEL will inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact &amp; get trained.</li> <li>Business rules like event date, time, Start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.</li> <li>Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to Participate in the event.</li> <li>BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing &amp; forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms &amp; conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction.</li> <li>Reverse auction will be conducted on scheduled date &amp; time.</li> <li>At the end of Reverse Auction event, the lowest bidder value will be known on the network.</li> <li>The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail.</li> <li>Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.</li> <li>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 w</li></ol>	
	opened as per BHEL's standard practice.  12.BHEL reserves the right to negotiate if need be, with the "L1" vendor of the Reverse Auction  13.BHEL reserves the right not to consider offers from vendors not complying with the RA	
	process for finalization of the enquiry.	

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- Point to point confirmation for the Technical Specification enclosed has to be provided. If there are any deviations, the same should be clearly specified. Offers received without confirmation to our specification will be liable for rejection. If needed additional sheets shall be used.
- Indian bidders should submit the prices only in Indian Rupees.
- List of customers to whom same or similar equipment have been supplied along with performance certificates to be enclosed
- > Relevant catalogues to be attached
- List of spares parts (if it is specified in the enquiry sheet) for two years operation and maintenance should be attached with part numbers.
- Offers shall be submitted by the Original Equipment Manufacturer. In case of foreign bidder, the Principal's offer should be enclosed.
- Prices shall be quoted item wise only as per the model format enclosed. An unpriced copy shall be submitted along with technical bid where in the applicable Taxes and Duties Shall be clearly specified
- ➤ Equipment offered shall be "New". Re-built / Re-conditioned / Used equipments will not be accepted. Incomplete offers will not be considered for further processing 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 in words shall be valid and binding. Unit prices shall be considered correct in the event of any discrepancy with regard to total price.
- > The Supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit.
- > Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to BHEL).
- ➤ 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.
- ➤ All Equipments / Services including concern Personal for carrying out the erection and commissioning of the Equipment shall be arranged by the vendor. If any Services is availed from BHEL, it is only on chargeable basis unless otherwise specified.
- ➤ 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
- Any replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy basis.

16.	Company Details & Contact	ompany Details & Contact		
	Name & Full Address of the company:			
	Company Email ID:			
	Phone No.:			
	Fax No			
	PAN No			

### Bharat Heavy Electricals Limited TIRUCHIRAPPALLI/CAPITAL PURCHASE Annexure-A

	CST /TIN No		
	Service Tax No.		
	Name of the contact person:		
	Mobile No.:		
	e-mail ID		
17.	Т	O BE CONFIRMED BY VEN	DOR
	Country of origin:		
	Station of dispatch/Port of Shipment		
	Delivery Terms		
	(For destination/Ex-works as per clause	9	
	Packing & Forwarding Charges, if any		
	( in % or Lumpsum) ie. extra from basic	rate	
	% of Excise Duty with cess		
	% of TAX (CST/VAT) (TNGST with FORM-17 or CST with C-FC		
	Freight & Transit Insurance charges		
	percentage) from Dispatching station to B		
	(Note:If the delivery terms is Ex Works t		
	through BHEL approved carrier only, i	n this case the Freight &	
	Insurance will be borne by BHEL)		
18.	(If applicable only)		
	Erection & commissioning charge is inclu-	usive (or) exclusive of basic	
	rate		
	Service tax applicable extra or not		
19.	,		
	(This should be inclusive of Orde		
approval and time period required for dispatch (B/L or AWB date) etc.,			
Period for completion of the Retrofitting / Reconditioning (Ere			
	Commissioning) work at BHEL shall be cl	<del>-</del> .	
20.	Weight & Cubage of package:		
	Approximate Net weight of the total consi	gnment:	
	Approximate Gross weight of the total cor		
	Approximate volume of the total consignment		
	y queries / clarifications the bidders ma	y contact us through our FA	AX NO. +91 431 2520719 or through e-mail

NOTE:-

- a) Your specific acceptance to our Payment terms, LD, Risk Purchase Clause & Submission of PBG for 10% of the order value 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:-**

I/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)

Name:
Designation:
Department:

(PLEASE AFFIX YOUR SIGNATURE WITH SEAL ON EACH PAGE)

### **MODEL PRICE BID FORMAT FOR INDIAN BIDDERS**

Enquiry No. & Date: Bidder's Offer No. & Date:

SI No	Description of item	Unit (SET /No)	QTY	Rate /Qty in Rs. (excluding of all taxes)	VAT/CST in % (TNGST with FORM-17 or CST with C-FORM)	%	Service Tax in %	Total Value in Rs. (inclusive of all taxes)
1	Supply portion (The price indicated shall be exclusive of all accessories, spares etc. as given in the scope of supply.							
2	Other accessories / spares etc as given in scope of supply (Individual item-wise break-up price shall be attached as an annexure to this price bid format.)							
3	Installation & Commissioning (if available in scope only)							
4	Packing & Forwarding charges (if any) in percentage (or) Lumpsum							
5	FOR Dispatching station value in Rs.							
6	Percentage of Freight & transit insurance charges, if any (Lumpsum or %) Freight & Insurance charges from Dispatching station to BHEL, Tiruchirappalli (Note: If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only, in this case the freight & Insurance will be borne by BHEL)							
7	Approximate Net weight of the total consignment							
8	Approximate Gross weight of the total consignment							
9	Approximate Dimensions of the Consignment							

Signature & Seal of Vendor

he 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"