

Bharat Heavy Electricals Limited

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

TITLE:

Phone: +91 431 2577645/2577331

RETROFITTING OF SKS 25 CNC MACHINE

Fax : +91 431 252 07 19 Email : rba@bheltry.co.in

srchandran@bheltry.co.in

Web: www.bhel.com,

http://tenders.gov.in

| | Reference Number: Enquiry 2681100006 | | Enquiry Date: 12.03.11 | | | Due date for submission of quotation: 08.04.11 | | | | |
|-----------------|-----------------------------------------|-------------|---------------------------|--------|-------|------------------------------------------------|------|----|-----|------|
| You are reques | ted to quote th | e Enquir | y number | date | and | due | date | in | all | your |
| correspondences | . This is only a red | quest for o | quotation ar | nd not | an or | der | | | | |

BHEL requires suppliers for Retrofitting of **SKS-25 CNC MACHINE** details as per the technical specification (Annexure A,B & C).

BHEL commercial terms & conditions with Technical specifications can be downloaded from BHEL web site http://www.bhel.com or from the Government tender website http://tenders.gov.in (public sector units) Bharath Heavy Electricals Limited) under enquiry reference "2681100006"

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

Manager / Capital Purchase/ Manufacturing

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BHARAT HEAVY ELECTRICALS LIMITED

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भारत उत्तर शिक्षा

429-002/A

ENQUIRY (INDIGENOUS) (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

Web:

| | | *************************************** | | | | | | |
|---------------|-----------------|-----------------------------------------|--------------|--|--|--|--|--|
| Vendor Code : | Enquiry No | Enquiry Date | Due Date for | | | | | |
| Vendor Name : | | | Quotation | | | | | |
| | 2681100007 - 79 | 12.03.2011 | 08.04.2011 | | | | | |
| | | | | | | | | |

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

This is only a request for quotation and not an order

| Item | Description | Unit | Quantity | Delivery Quantity | Schedule Date |
|------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------|-----------------------------|------------------|
| 10 | Supply of CNC System, axis & spindle motors and drives, etc; for the Up gradation in SKS-25 CNC machine as per the enclosed ANNEXURE - A. | NO | 1.000 | 1.00 | 31.08.11 |
| | Upgradation and supply of SKS-25 CNC M/c | e en | المستعمرين | | |
| 20 | Erection commissioning and Prove out of CNC | NO | 1.000 | 1.00 | 31.08.11 |
| | System, axis & spindle motors and drives in SKS25 CNC machine as per ANNEXURE - B | * | | gerren g | W. |
| | Erection & Commissioning | | | | |

General Note:

- 1.,,PLEASE SUBMIT YOUR DETAILED OFFER IN THREE PART BID SYSTEM IE.
 PART-1 EMD AMOUNT ONE COVER, PART-II TECHNICAL AND COMMERCIAL UNPRICED
 BID IN ANOTHER SEALED COVER AND PART-III PRICED OFFER IN ANOTHER
 SEPARATE SEALED COVER. THESE 3 COVERS SHALL BE PUT IN A SINGLE COVER AND
 ADDRESSED TO US, DULY SUPERSCIBED WITH TENDER REFRENCE AND DUE DATE OF
 OPENING
- 2. POINT-TO-POINT CONFIRMATION TO BHEL'S SPECIFICATION AND COMMERCIAL TERMS & CONDITIONS IS PROVIDED IN ANNEXURE-I. PLEASE READ THE CONDITIONS GIVEN IN ANNEXURE-I AND THEN FILL UP ANNEXURE II. PLEASE ENSURE THAT ALL TAXES & DUTIES, PACKING & FORWARDING CHARGE, FREIGHT & INSURANCE CHARGES WITHOUT PRICE SHOULD BE INDICATED IN THE UN-PRICED BID (ie.Annexure-III) TO BE ATTACHED WITH THE TECHNO-COMMERCIALBID POSITIVELY. LEST YOUR OFFER IS LIABLE FOR REJECTION.
- 3.,,PAYMENT TERMS AS INDICATED IN THE ANNEXURE III SHOULD BE ACCEPTED BY VENDOR WITHOUT ANY DEVIATION. IF ANY DEVIATION IN THIS IS TAKEN BY VENDOR THEIR OFFER IS LIABLE FOR REJECTION
- 4. OFFERS a) DEMANDING ADVANCE PAYMENT, b) DEMANDING EXEMPTION OF EMD & PBG c)NON-ACCEPTANCE FOR PARTICIPATING IN REVERSE AUCTION d)WITH OFFER VALIDITY OF LESS THAN 4 MONTHS WILL LEAD TO REJECTION OF SUBMITTED OFFER.

ang pandara pandaraha sakaraha hari sasaran sarah ka

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,
or BHARAT HEAVY ELECTRICALS LIMITED

MANAVER / PURCHASE (FOSSIL BOILERS) R. BASHIDDINAMAMED

Manager / Purchase / MFG Bharat Heavy Electricals Ltd., Tiruchirappalii - 620 014

BHARAT HEAVY ELECTRICALS LIMITED

PHONE:2577645 GRAMS: BHARATELEC FAX NO: 2520719

E-mail: srchandran@bheltry.co.in

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

2681100007 / 12.03.2011

5.,,IF THE DUE DATE OF TENDER OPENING HAPPENS TO BE A HOLIDAY, THOSE TENDERS WILL BE OPENED ON NEXT WORKING DAYS.

6. CORRIGENDUM IF ANY (ie.. CHANGE OF SPEC & EXTENSION OF DUE DATE ETC.) WITH RESPECT TO THE THIS TENDER WILL BE HOSTED ONLY IN THE WEBSITE (http://www.bhel.com or http://tenders.gov.in . YOU ARE REQUESTED TO GET UPDATED REGULARLY THROUGH THE WEB PAGES

GENERAL NOTE FOR THE ENQ ON REVERSE AUCTION

- 1.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 COVERNING RAPE GIVEN IN ANNEXURE-1 (5.24).
- 2. REVERSE AUCTION IS DONE THROUGH INTERNET/E-MAIL. HENCE VENDORS SHALL MAKE THEMSELVES EQUIPPED WITH EMAIL, FAX AND INTERNET FACILITIES.
- 3.IN CASE OF GOING FOR REVERSE AUCTION VENDORS WILL BE SUITABLY INFORMED ABOUT THE WORKING PROCEDURES OF REVERSE AUCTION AND BHEL WILL PROVIDE ALL THE RELEVANT DETAILS TO ENABLE THE VENDOR TO PARTICIPATE.

List of Attachments:

- 1.Annexure-A,B & C
- 2. Annexure-I Commercial terms and conditions-4 pages
- 3. Annexure-II Commercial confirmations-1 page
- 4. Annexure-III Model Price bid format

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 HERVY ELECTRICALS LIMITED

MANAGER / PURCHASE (FOSSIL BOILERS) R. BASHEER ATTAMED

Manager / Purchase / MFG Bharat Heavy Electricals Ltd., Tiruchirappalli - 620 014,

ANNEXURE -A Up gradation of the existing CNC System, axis & spindle motors and drives in SKS-25 CNC machine. Section A: Details of existing machine For Reference CNC SYSTEM: SIEMENS Make SINUMERIK 820T with 2-axis, and one spindle X-axis: Motor: 1FT5 104-0AA71-2-Z IP-64;6FC9 348-7AD 600V; IMB5; G45(Siemens) Mo-37/45 Nm;Mn- 41 Nm Drive (Feed Module): 6SC6 112-OAAOO Pulse Sensor: 6FC9320 3MN00; 2500 pulses/rot.(Heidenhain) Z-axis: Motor: 1FT5 104-0AA74-2-Z IP64;6FC9 348-7AD 600V; IMV1; G45 (Siemens) Drive (Feed Module): 6SC6 112-OAAOO Pulse Sensor: 6FC9320 3MN00; 2500 pulses/rot.(Heidenhain) **Spindle Motor:** Main motor: 1PH6 206-4NE9-Z; IMB3 S1; 63kW; 122A (Siemens) Pulse Generator: RON 350;2048 pulses/rotation (inbuilt in the 3 **Drive:** 6SC6 612-0CAO1 (Converter 660) System Software: 6SC6 600 - BAAO1 Pulse Sensor: ROD 2250-1024 pulses/rot.(Heidenhain) Machine inbuilt with rotary tool magazine for automatic tool exchange and cross rail positioning (cross rail up and cross rail down). 5. Auxiliary motors 5.1 Motor for cross rail lifting: (MEZ Frenstat make) KC160 M23-IM2002, 380V, 50 Hz; 5.2 Motor for turning of the rotary tool magazine: (MEZ Mohelnice make) 4AP90L-8-IM3081, 550W, 380V, 50 Hz; 5.3 Oil pump of the hydraulic set: (MEZ Mohelnice make) 4AP100L-4, IM2081, 380V, 50 Hz; 5.4 Coolant pump motor: (MEZ Mohelnice) 4AP80-2, IM3081,1.1kW,380V, 50Hz; 10.1.Isolation Transformer of 120kVA rating. 10.2.Stabilizer Details: NEEL Servo Controlled Voltage Stabilizer: (Removed from machine. Now not in use) Input: 340V Min. to Max-480V Output: 415V Accuracy +/- 1% Rating: 120 KVA Current: 167A

ANNEXURE -A Up gradation of the existing CNC System, axis & spindle motors and drives in SKS-25 CNC machine. Section A: Details of existing machine For Reference Working Range: (SKS 25 CNC with the chuck) a) Biggest diameter of peripheral turning (mm) - 2900 b) Biggest diameter of facing (mm) - 2900 c) Biggest distance between the face plate and the clamping surface of the slide ram (mm) - 2145 d) Biggest stroke of the slide ram (mm) - 1000 e) Biggest work piece diameter (mm) - 2900 f) Biggest work piece height (mm) - 2000 g) Biggest work piece weight (Kg) - 250000 h) Biggest cutting force (N) - 44000 Cross Rail: a) Biggest stroke of the cross rail (mm) - 1325 b) Speed of the cross rail shifting(mm/min) - 290 Face Plate: a) Diameter of the face plate (mm) - 2500 b) Maximum torque on chuck plate (Nm) - 47200 Rapid traverse (mm/pmin) - 10000 Feed per rev. upto max. 4m / pmin (mm/rev) - 0,0001-50 Feed with threading (mm/rev) - 0,01-400 Section B: SCOPE OF SUPPLY Supplier to Confirm Design, selection and supply of suitable CNC systems, drives, motors, components etc. PACKAGE :Latest version of SIEMENS 840D package or FANUC 32i CNC system with 15" TFT Colour display package only. Supply of CNC system for controlling of 2-axis and a spindle with TFT color display in the suitable pedant box.. Supply of 2 numbers of A.C.servo motors (with built in holding brake; G45) of suitable capacity, for two axis. (X,Z) Torque and speed to match with the parameters of the existing A.C. servo motors mentioned above and suitable to interface with the CNC system offered. Any mechanical interfacing arrangement required (torque limiter coupling)to match the offered motor with the existing mechanical drive system should be included in their offer. The type number / model of the motors selected should be indicated in their offer and the technical leaflet showing the parameters and dimensional details should be enclosed. Supply of new Power cable, command signal cable, velocity feedback cable and external encoder with end connectors and of required length to suit the machine for the two servo motors. (X,Z) Supply of AC digital independent servo amplifier modules for two axis with suitable capacity for the proposed individual servo motors. The type number of the module and technical leaflet should be provided. Interfacing and commissioning with the new CNC system with new external encoder- feedback along with cables and required connectors for all the axis.

ANNEXURE -A

Up gradation of the existing CNC System, axis & spindle motors and drives in SKS-25 CNC machine.

| | Up gradation of the existing CNC System, axis & spindle motors and drives in SKS-25 CNC machine. | | | | | |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|--|--|--|
| Section | on A: Details of existing machine | For Reference | | | | |
| 7 | supply of one number of A.C. spindle motor with suitable capacity in place of the existing spindle motor. The type number of the motor selected should be indicated in the offer and the technical leaflet showing the parameters and dimensional details should be enclosed. | | | | | |
| 8 | Design, selection, supply and fixing suitable brackets for mounting the new AC servomotors and spindle motor. | | | | | |
| 9 | Supply of new Power cable, command signal cable, velocity Feed back cable and external encoder with end connectors have required length to suit the machine for the spindle motor | | | | | |
| 10 | Supply of latest Spindle digital amplifier module for the New spindle motor selected. The type number of the Module and technical leaflet to be provided. | | | | | |
| 11 | Supply of suitable air conditioner for the pendant box (operator panel). Air conditioner shall be of following make. i. M/s Advanced cooling System pvt ltd ii. M/S Werner Finley pvt ltd iii. M/S Avon controls and Systems iv. M/S Chilton Refrigeration Industries | | | | | |
| 12 | Supply of required input transformers to the feed / spindle drives and 24V,20A SMPS power supply of Siemens/ Fanuc make. | | | | | |
| 13 | Supply of suitable programming and Data loading/downloading device with necessary software. | | | | | |
| 14 | The CNC system offered shall have the following features for a turning center. Back ground editing Automatic chamfer and radius. Direct Drawing Dimensioning (Blue Print) Static simulation. The memory capacity required for programming minimum of 2GB Cycles: Stock removal cycle (Facing, Finishing, Pattern repeating) Grooving cycle Threading cycle Drilling cycles:(Drill center, Drill sinking, Deep Hole, Boring, Back Boring, Fine Boring, Tapping, Left hand Tapping) Drill Pattern: Single Hole, Row Hole, Circle of Hole Parameter Programming (macro - A, B & Macro Call) | | | | | |
| 15 | The existing inputs/outputs are around 192/88 | | | | | |
| 16 | supply of required CNC KEY BOARD and machine control panel. | | | | | |
| 17 | Supply of suitable MPG unit along with 5 metres cable and adapter as required. | | | | | |
| 18 | UPS for CNC system of 30 minutes with inbuilt cooling and charge status display. | | | | | |
| 19 | Supply , mounting and wiring of suitable capacity MCB switch for incomer D.C, regulated power supply, 3ph digital energy meter and suitable ratings of MPCB (Motor Protection Circuit Breakers) for all the auxiliary motors / equipments in the new panel. | | | | | |

ANNEXURE -A Up gradation of the existing CNC System, axis & spindle motors and drives in SKS-25 CNC machine. Section A: Details of existing machine For Reference 20 The equipments should be suitable for 415V, 3ph, 50Hz, a.c. supply Supply of sensors / microswitches / limit switches for tool magazine. 21 axis and cross rail position. Supply of pressure switches for the Hydraulic set. Supply of isolation transformer of rating 120 KVA and supply of force air coolded type stabilizer of 120 KVA rating. Isolation Transformer & Stabilizer shall be of following make 23 i) M/s. NEEL ii) M/s. AEI iii) M/s. POWER AID 19a) Three sets of O&M manual for the CNC system, servo motors, spindle motors, drives spare parts list and manuals of bought-out components should be supplied along with the hardware. b)Three sets of power circuit ,control circuit and logic circuit of 24 updated wiring drawing for entire machine should be supplied after retrofitting. c)Three sets of system NC MD, PLC MD, Setting Data and PLC program should be supplied in the CD and Hard copy in Ladder logic and STL logic of original copy. Training shall be given for three maintenance persons and three 25 production persons for System and drives at supplier works. The supplier must visit BHEL and study the entire machine and work involved before submitting the offer. **Control Panel:** The panel shall be metal enclosed, indoor, floor mounting and freestanding type of Rital make. The panel shall be free from flaws, dents and undulations. The panel shall be cold rolled sheet of standard thickness. Exterior: Apple green shade 281 of IS-5/1994. Interior: Brilliant White b Degree of protection of panel enclosure: IP 55 Removable cable entry shall be provided. С d The doors shall be suitable for 180 degree opening at Front. Mounting Bolt of spring loaded mounting bolts with nuts Shall be supplied by vendor .No of suitable lifting Eye bolts with nuts and washers shall be provided. Air conditioner shall be of following make. i. M/s Advanced cooling System pvt ltd f ii. M/S Werner Finley pvt ltd iii. M/S Avon controls and Systems iv. M/S Chilton Refrigeration Industries The above panel should be accommodate all the above drives including and all the electrical and electronic elements used in the machine. Supplier shall send detailed drawings along with the offer for approval for area Executive. Both the panels shall be manufactured after getting approval from area Executive. The bottom surface of the control panel should be free and no components should be mounted on it.

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ANNEXURE - B Erection commissioning and Prove out of CNC System, axis & spindle motors and drives in SKS25 CNC machine SCOPE SUPPLIER TO CONFIRM Removing of existing AC spindle motor, two numbers of AC servo motors and its drives along with coupling and pulley and note down all the parameters, inter connections of power, control and signal cables. Removing of existing pressure switches of Hydraulic sets, sensors 2 / microswitches /limit switches of cross rail, axis and tool magazine. Fixing of the new AC spindle motor and two numbers of AC 3 servo motors for axis with suitable mounting brackets in the existing motor location on the machine. Fixing of new pressure switches of Hydraulic sets, sensors / 4 microswitches /limit switches of cross rail, axis and tool magazine. 5 Mounting of X,Z and spindle drives in the existing panels. Erection and commissioning of the new control Panel and Interfacing the machine control elements like limit switches, 6 pressure switches, level switches ,pushbuttons etc., with the new controls in this new control panel with required wiring materials. Interfacing with the new system, ac spindle drive and X, Z axis drives with spindle and servo motors along with power cables, command signal cables, velocity feedback cables and feedback devices etc. Interface software development debugging in the new CNC 8 system using necessary PG unit and prove out all the machine functions available before retrofitting. Movement of Cross rail position up & down and rotary tool magazine should be interfaced with the proposed CNC system. Fixing of the new pressure switches, sensors and microswitches 10 in the existing location on the machine and interfacing the same with the proposed system. 11 Protective doors to be interfaced with the system. Prove out of the positioning accuracy and repeatability of the axis using laser interferometer. (The positioning accuracy and 12 repeatability to be taken once before undertaking the retrofit work also. The accuracy after the retrofit to be the same or better than the accuracy before the retrofit). 13 Job prove out after retrofitting. The required hand tools and other accessories will be brought by 14 the vendor. The supplier must visit BHEL and study the entire machine and 15 work involved before submitting the offer. Otherwise the offer will not be accepted.

| | Qualification criteria | ANNEXURE-C |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| S.No | Description | Vendor to specify details |
| 1 | Only those vendors, who have experience and carried out the following activities are eligible to participate in the tender: | |
| 1.1 | Supplied and commissioned new as OEM or undertaken retrofitting / up-gradation work of CNC machines with multi axis & spindle involving CNC system, axis & spindle motor and drive for at least three machines in the past ten years and such machine should be working satisfactorily for a minimum period of one year after completion of commissioning, up-gradation / retrofitting of the system, as on the date of opening of this tender. | |
| 1.2 | Erection and commissioning of similar capacity CNC machines for at least two machines in the past ten years and such machine should be working satisfactorily for a minimum period of one year after commissioning. | |
| 2.0 | The vendor should submit following details which are necessary for qualifying their offer. | |
| 2.1 | Name and postal address of the customer or company where similar up-gradation /retrofitting /erection & commissioning has been done. | |
| 2.2 | Name and designation of the contact person of the customer. | |
| 2.3 | Phone, FAX no and email address of the contact person of the customer. | |
| 2.4 | Month and year of up-gradation / retrofitting, / erection & commissioning. | |
| 2.5 | Details of CNC system, servo and spindle motors and drives retrofitted. | |
| 2.6 | Along with Technical offer, the Vendor should submit one performance certificate from the customer for the satisfactory performance of the CNC system, drive and motors supplied to them. | |
| 2.7 | 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. | |
| 2.8 | The vendor should produce solvency certificate from a scheduled bank for a value of Rs.50,00,000/- | |

CAPITAL PURCHASE

COMMERCIAL TERMS AND CONDITIONS APPLICABLE FOR OPEN TENDER

1.0 QUOTATIONS

The Bidders shall submit the offer in **THREE INNER ENVELOPES** as indicated below which shall be sealed in one outer envelope.

Envelope I: This sealed envelope should contain the required EMD amount of Rs.1,00,000/-

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 <u>"Part II - Technical and commercial bid"</u>, indicating Enquiry No., Due Date and Address & Reference of the Bidder.

Envelope III: This sealed envelope should contain <u>price details</u>. This envelope should be clearly marked "Part III - Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.

All the three envelopes (Part I,II & III) shall be put in one cover, duly sealed, super scribing as Part I,Part II and Part III 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:

MANAGER / CAPITAL PURCHASE / MFG Building 24, 4th Floor 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 amount 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.

Offers should be in **ENGLISH** and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in **ENGLISH** or otherwise, the offers will not be considered.

2.0 PART I I (TECHNICAL & COMMERCIAL BID)

2.1 Technical

This part shall include / indicate the following:

- 2.1.1. Offer 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 to be provided. if there are any deviation, the same should be clearly specified. Offers received without confirmation to our specification will be liable for rejection.
- 2.1.3. List of customers to whom same or similar equipment have been supplied along with performance certificates 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.
- 2.1.7. Offers shall be submitted by the Original Equipment Manufacturer. In case of foreign bidder, the Principal's offer should be enclosed.

2.2 Un-Priced Commercial

This part shall include / indicate the following

- 2.2.1. Station of dispatch/Port Of Shipment
- 2.2.2. Acceptance of commercial terms and conditions by the bidders
- 2.2.3. Terms of payment
- 2.2.4. Taxes, Service tax & duties including cess applicable.
- 2.2.5. Delivery Schedule
- 2.2.6. Offer validity
- 2.2.7. Country of origin
- 2.2.8. Percentage of agency commission if any along with a copy of Agency agreement.
- 2.2.9. A copy of "Un-Priced Part III" i.e., a copy of the Price Bid without the price details to be enclosed.

3.0 PART III (PRICE- BID)

This part should contain the schedule of price particulars and to be co-related to the technical details provided in Part II. Unless otherwise specifically stated in the tender, the evaluation of the offers will be done only based on individual item wise.

4.0 OPENING OF TENDERS

The part I – EMD would be opened on the tender opening date and if EMD is not furnished the offer will be duly rejected.

The Part II- Technical & commercial bid would be opened on the Tender opening date.

The Part III - Price bid of Technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the tender opening date.

Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part III - price bid.

5.0 GENERAL

- 5.1. 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:
- 5.2. 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.
- 5.3. **Bid currency:** Bid currency: Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit their bid in their home currency, which should be clearly indicated in the un-priced commercial bid as well as in the price bid..
- 5.4. **Terms of Delivery: Terms of Delivery:** Bidders are required to quote their best delivery period. Foreign Bidders should submit their offer for net **FOB Nearest Sea / Air Port.** Indian Bidders should submit their offer for **FOR Despatching station**. Indian Bidders should submit their offer for FOR BHEL, Tiruchy basis. Freight charges from works to BHEL, Tiruchy to be indicated separately. Delivery from the date of Letter of Intent / Purchase Order to be mentioned in the offer.
- 5.5. Taxes and Duties: 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, Assessment circle Tiruverambur
- 5.6. **Validity:** The offers for main equipment and spares shall be kept open for acceptance for **120 days (one hundred and twenty days)** from the date of opening of the tender (Part II).
- 5.7. **Terms of Payment:**

5.7.1. Indian Bidders

5.7.1.1. The preferred payment terms are indicated below:

SUPPLY PORTION:

100% payment, within 45 to 90 days, after receipt / acceptance / commissioning of equipment at BHEL, Tiruchi against 10% PBG for total order value.

ERECTION & COMMISSIONING PORTION:

100% of the Erection / commissioning charges (in case contract involves erection/commissioning) shall be paid only on completion of such erection / commissioning at BHEL and also against remittance of required Security Deposit to BHEL in accordance with the terms of the Contract

5.7.3 Common to both Indian & Foreign Bidders

E&C charges will be released after deduction of Income Tax as per the Govt. of India rules. The TDS certificate will be issued by BHEL. 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.

5.8. **Performance Bank Guarantee (PBG):** The Bidder, in the event of an order, should furnish a bank Guarantee from an Indian Bank approved by BHEL, at no extra cost in a proforma prescribed by BHEL, alongwith the order, for an amount equivalent to **10% (Ten percent)** of the value of the contract. The PBG shall be valid for period of 18 months from the date of despatch or **12 months** from the date of receipt / acceptance / commissioning of the equipment at BHEL, Tiruchi which ever is more, with a claim period of two months.

The Performance Bank Guarantee shall be obtained from any one of the following banks who is a member bank in our consortium of banks.

LIST OF CONSORTIUM BANKS

 $1. {
m DEUTSCHE}$ BANK $2. {
m HDFC}$ BANK $3. {
m ANZ}$ GRINDLAYS BANK $4. {
m CITI}$ BANK $5. {
m STANDARD}$ CHARTERED BANK $6. {
m BANK}$ OF AMERICA $7. {
m ABN}$ AMRO BANK $8. {
m IDBI}$ LTD $9. {
m ICICI}$ BANK LTD $10. {
m THE}$ HONGKONG AND SHANGHAI BANKING .CORPORATION LTD.

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.PUNIAB NATIONAL BANK 15.PUNIAB & 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

5.9 Liquidated damages: It is clearly understood among the parties to the contract the

"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 despatches 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 1/2% 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

- **5.10 Risk purchase**: Alternatively the purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefor. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.
- 5.11 Agency commission: In case of Foreign Bidders, agency commission if any, payable to their Indian Agents, shall shown separately in the Offer. This will be paid by us in India, in Indian Rupees, on satisfactory completion of the Contract. Copies of current Agency Agreement / Authorization Letter in respect of Agency Commission shall be furnished alongwith offer. For calculation of Rupee equivalent of Agency Commission, exchange rate as prevailing on the date of offer will be taken.
- **5.12 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.
- 5.13 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.
- **5.14 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
- **5.15 Cenvat credit** (for Indigenous 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 charged to us. If the bidder is availing Cenvat credit for his input materials, the effect of proforma credit should be passed on to the purchaser..
- **5.16 Packing and marking:** The Supplier shall arrange for securely protecting and packing the stores to avoid loss or damages during transit.
- **5.17** Evaluation of offers shall be on the basis of delivered cost (Net cash outflow to BHEL).
- **5.18** 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.
- **5.19** Purchase preference will be given to CPSUs as per Government guidelines.
- **5.20** 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.
- **5.21 Earnest Money Deposit** shall be payable as per the instructions furnished in the **5.25.** Otherwise the offer will be rejected.
- 5.22 Security Deposit shall be payable as per the instructions furnished in the 5.25
- **5.23 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 governing RA are given below.

5.24 GENERAL TERMS AND CONDITIONS OF RA

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., ON LINE BIDDING ON INTERNET.

- 1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
- 2. 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.
- 3. BHEL will inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained.
- 4. Business rules like event date, time, Start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.
- 5. 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.
- 6. 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 non-compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction.
- 7. Reverse auction will be conducted on scheduled date & time.
- 8. At the end of Reverse Auction event, the lowest bidder value will be known on the network.

- 9. 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.
- 10. 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.
- 11. 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.
- 12. BHEL reserves the right to negotiate if need be, with the "L1" vendor of the Reverse Auction

5.25 DETAILS OF EARNEST MONEY DEPOSIT & SECURITY DEPOSIT

Earnest Money is to be paid by the Tenderer either in Cash (as permissible under Income Tax Act), Pay Order (or) Demand Draft drawn in favour of Bharat Heavy Electricals Ltd, Trichirapalli payable at Trichirapalli.

EMD by the Tenderer will be forfeited as per Tender Documents if

- 1) After opening the Tender, the Tenderer revokes his Tender within the validity period or increases his earlier quoted rates
- 2) The Tenderer does not commence the work within the period as per LOI/Contract. In case the LOI/Contract is silent in this regard then within 15 days after award of the Contract. EMD given by all unsuccessful Tenderers shall be refunded normally within 15 days of acceptance of

EMD shall not carry any interest.

award of work by the successful Tenderer.

SECURITY DEPOSIT

The successful Tenderer should pay Security Deposit before start of the work and the Rate of Security Deposit will be as below.

| Value of Contract | Rate of Security Deposit |
|----------------------------------------|------------------------------------------------------|
| Upto Rs.10 Lakhs | 10% |
| Above Rs.10 lakhs and upto Rs.50 lakhs | Rs.1 Lakh + 7.5% of the amount exceeding Rs.10 Lakhs |
| Above Rs.50 lakhs | Rs.4 Lakhs + 5% of the amount exceeding Rs.50 Lakhs |

Security Deposit may be furnished in any one of the following forms.

- i) Cash (as permissible under the Income Tax Act)
- ii) Pay Order, Demand Draft in favour of Bharat Heavy Electricals Limited, Trichirapalli payable at Trichirapalli
- iii) Local Cheques of Scheduled Banks, subject to realization
- iv) Securities available from Post Offices such as National Savings Certificates, Kisan Vikas Patras etc (Certificate should be held in the name of Contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back)
- v) Bank Guarantee from Scheduled banks / Public Financial Institutions as defined in the Companies Act subject to a maximum of 50% of the total Security Deposit value. The balance 50% has to be remitted either by cash or in the other form of security. The Bank Guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipt issued by Scheduled banks / Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the Contractor, A/C BHEL, duly discharged on the back.
- vii) Security Deposit will also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of Security Deposit shall be paid by the Contractor before start of the work and the balance 50% will be recovered from the running bills.
- viii) EMD of the successful Tenderer shall be converted and adjusted against Security Deposit.

Note: Acceptance of security Deposit against sl.no.(iv) and (vi) above will be subject to hypothecation or endorsement on the documents infavour of BHEL. However BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

Security deposit shall not carry any interest. Security Deposit shall not be refunded to the Contractor except in accordance with the terms of the Contract

For any queries / clarifications the bidders may contact us through our FAX NO. +91 431 2520719 or through e-mail rba@bheltry.co.in and rsarchandran@bheltry.co.in

Page 1 of 2 **ANNEXURE-II**

Bharat Heavy Electricals Limited, Trichirapalli – 620 014 MM: CAPITAL PURCHASE (To be filled and submitted along with offer)

| (To be filled and submitted along with offer) | T- |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| ACCEPTANCE OF COMMERCIAL TERMS AND CONDITIONS BY THE BIDDERS | Vendor's Confirmation / Comments |
| EMD for Rs 1,00,000/- shall be payable as per the instructions furnished in the annexure-I 5.25. Otherwise the offer will not be considered. Pay order / DD No / Cash receipt no & date may be furnished | |
| Security Deposited shall be payable by the successful vendors as per the instructions furnished in the Annexure-I Point no.5.25 | |
| Security Deposite will be refunded within 30 days after successful completion of Contract by the successful vendor. | |
| Technical confirmation to BHEL's Specification as called for in BHEL Format shall be furnished. If needed additional sheets shall be used. 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 | |
| Prices shall be quoted on "FIRM PRICE" basis only. The prices should by only on F.O.R / Despatching station basis inclusive of Packing & Forwarding charges if any. Applicable % of ED & Sales Tax , Freight & Insurance, Installation & Commissioning Charges should be clearly indicated. | |
| Validity of offer shall be for a minimum period of 120 days from the date of Tender opening | |
| Delivery period (for supply portion) from the date of Letter of Intent / Purchase order shall be clearly mentioned in the offer. | |
| Period for completion of the Retrofitting / Reconditioning (erection & Commissioning) work at BHEL shall be clearly specified in the offer | |
| Liquidated damages Liquidated damages: Delivery of the goods specified in the purchase order should be made within the time prescribed. Failure to dispatch the materials in the time as per the delivery quoted in our Purchase Order would make the supplier liable to an un-conditional penalty at the rate of ½% of the value of goods for each week of delay subject to a maximum of 15% of the Purchase Order value. If any vendor does not accept LD ½% of the value of | |
| goods for each week of delay subject to a maximum of 5%, their offer is likely to be rejected by BHEL and the technical bid not processed. Bidders accepting for maximum LD percentages in between 5% to 15% will be loaded @ %age deviation from 15% and their accepted %age. Eg. If a bidder accepts for a max of 7% LD, their offer would be loaded @ 8% (15 – 7 = 8). As regards LD, the delivery date (FOR dispatching station for indigenous / FOB delivery for import) shall be considered. | |
| Liquidated damages @ ½% per week subject to a maximum of 15% of the Erection Charges shall be applicable for delay in the period of completion of the Retrofitting / Reconditioning works. | |
| Following Risk Purchase clause shall be applicable: 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 or if the same were not available, the best and the nearest available substitute therefore. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases. | |
| Submission of Performance Bank Guarantee (PBG): Vendor should provide a performance bank guarantee(PBG) for 10% of the total Purchase order value valid for a period of 12 months from the date of commissioning (or) 18 months from the date of dispatch whichever is later with an additional claim period of 2 months. This PBG shall form one of the documents for effecting payment. The PBG shall be submitted in non-judicial stamp paper value of not less than Rs.80/issued by any one of the following banks who is a member bank in our consortium of banks. | |
| Payment terms for supply portion: * 100% payment will be made within 45 to 90 days after receipt and acceptance / commissioning of goods at BHEL. against submission of PBG for 10% of Order value with required validity. (Loading for deviation on payment terms ,if the above is not agreed by vendor will be @ 1.5% per month) | |

Page 2 of 2

ANNEXURE-II

| Erection / commissioning Charges: | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Erection / commissioning shall be done at free of commiss | ne | |
| Erection / commissioning charges (in case contract | | |
| shall be paid only on completion of such erection / o | | |
| against remittance of required Security Deposit to BHE | of | |
| the Contract | | |
| The equipment shall be guaranteed for a period of 12 i | | |
| commissioning. | | |
| Equipment will be inspected and proved at vendor's | er | |
| final inspection and acceptance of equipment will be at | | |
| All Equipments / Services including concern Personal | | |
| commissioning of the Equipment shall be arranged | | is |
| availed from BHEL, it is only on chargeable basis unles | | |
| The vendor shall provide necessary drawings,T | | |
| Maintenance Manuals etc., as called for in the Techr | ical Specification, in the requir | ed |
| number of copies at no extra cost. | | |
| Any warranty replacement during warranty period shall | be supplied free of charge on | |
| FOR BHEL, Trichy basis. | | |
| Offers should be submitted only in sealed cover super | r-scribing clearly the Enquiry | |
| reference and due date. | Acceptance (Discount Cillians | -11 1 |
| MANDATORY Details Required For Conducting F | everse Auction (Please till up | ali columns) |
| Delivery Terms (Ex-works Basis (or) For Destination | Basis) | |
| % of Excise Duty with cess | | |
| % of TAX (CST/VAT) (TNGST with FORM-17 or CST v | vith C EODM) | |
| % OF TAX (CST/VAT) (TNGST WILLT CRIVETY OF CST V | VILLI C-FORIVI) | |
| | WILL C-FORIVI) | |
| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if | , | |
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| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if | any, in Lumpsum (or) | |
| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if percentage) from Dispatching station to BHEL Tiruching | any, in Lumpsum (or) appalli, nas to be sent through | |
| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if percentage) from Dispatching station to BHEL Tiruchir. (Note:If the delivery terms is Ex Works the materials BHEL approved carrier only, in this case the freighborne by BHEL) | any, in Lumpsum (or) appalli, has to be sent through t & Insurance will be | |
| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if percentage) from Dispatching station to BHEL Tiruchir. (Note:If the delivery terms is Ex Works the materials BHEL approved carrier only, in this case the freight | any, in Lumpsum (or) appalli, has to be sent through t & Insurance will be | |
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| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if percentage) from Dispatching station to BHEL Tiruchin. (Note:If the delivery terms is Ex Works the materials BHEL approved carrier only, in this case the freighborne by BHEL) Erection & commissioning charge is inclusive (or) exclusive. | any, in Lumpsum (or) appalli, nas to be sent through t & Insurance will be | |
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| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if percentage) from Dispatching station to BHEL Tiruching (Note:If the delivery terms is Ex Works the materials BHEL approved carrier only, in this case the freighborne by BHEL) Erection & commissioning charge is inclusive (or) exclusive of Service Tax if applicable As per Clause 5.24 of Commercial terms and commissioning charges in the commercial terms and commissioning charges in the commercial terms and commercial terms are commercial terms and commercial terms and commercial terms are commercial terms are commercial terms and commercial terms are commercial terms are commercial terms. | any, in Lumpsum (or) appalli, has to be sent through t & Insurance will be usive of basic rate | |
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| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if percentage) from Dispatching station to BHEL Tiruchin (Note:If the delivery terms is Ex Works the materials BHEL approved carrier only, in this case the freigh borne by BHEL) Erection & commissioning charge is inclusive (or) exclusive of Service Tax if applicable As per Clause 5.24 of Commercial terms and conference for participation in Reverse auction (RA). Name of the person for participating reverse auction. | any, in Lumpsum (or) appalli, has to be sent through t & Insurance will be usive of basic rate anditions (Annexure-I) des/No to be indicated | |
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| Packing & Forwarding Charges (in % or Lumpsum) Percentage of Freight & transit insurance charges (if percentage) from Dispatching station to BHEL Tiruching (Note:If the delivery terms is Ex Works the materials BHEL approved carrier only, in this case the freighborne by BHEL) Erection & commissioning charge is inclusive (or) exclusive of Service Tax if applicable As per Clause 5.24 of Commercial terms and conference for participation in Reverse auction (RA). Name of the person for participating reverse auction. Land Line Number | any, in Lumpsum (or) appalli, has to be sent through t & Insurance will be sive of basic rate Inditions (Annexure-I) es/No to be indicated Mobile Number E-mail ID | |

NOTE:-

- a) It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained.
- b) Your offer should be indicating applicable if any P&F Charges, % of ED, Sales Tax -CST or VAT, Service Tax), Freight, Insurance and Installation and Commissioning Charges etc., as per our Price Format.
- c) 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. Other wise your offer is liable for rejection.
- d) No row shall be left blank. Please indicate NA, in case the item is "not applicable" NOTE:-

MODEL PRICE BID FORMAT FOR INDIAN BIDDERS

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

| SI No. | Description of item | Unit | QTY | VAT/CST in % (TNGST with FORM-17 or CST with C- FORM) | ED in % | Service Tax in % | Rate in Rs. | Value in Rs. |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|-------------------------------------------------------------------|------------|---------------------|-------------|--------------|
| | Supply portion | | | | | | | |
| 3 | Installation & Commissioning | | | | | | | |
| | Packing & Forwarding charges (if any) in percentage (or) Lampsum | | | | | | | |
| | FOR Dispatching station value in Rs. | | | | | | | |
| | Percentage of Freight & transit insurance charges, if any (Lumpsum or %) Freight & Insurance charges from Dispatching station to BHEL, Tiruchirappalli (Note:If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only, in this case the freight & Insurane will be borne by BHEL) | | | | | | | |
| | Approximate Net weight of the total consignment | | | | | | | |
| | Approximate Gross weight of the total consignment | | | | | | | |
| | Approximate Dimensions of the Consignment | | | | | | | |

Signature & Seal of Vendor

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