



BHARAT HEAVY ELECTRICALS LIMITED

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

PHONE :0431-2577938
GRAMS : BHARATELEC
FAX NO: 0431-2520719
E-mail: tvenkat@bheltry.co.in
Web:

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Enquiry No	Enquiry Date	Due Date for Quotation
2681700019	20.10.2017	13.11.2017
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order. Bid should be submitted in two parts. 1.Techno-commercial bid (Part-I) and 2.Price bid(Part-II) in a separate sealed cover and both covers must be placed in a third cover and sealed. Our Enquiry No., Enq. date & Enq. Due date must be written on all three covers.		

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	Retrofitting of SKIQ12 CNC machine Retrofitting of SKIQ12 CNC machine, Bay 4 with latest CNC and servo system,Bldg 6 as per the Qualifying Criteria in ANNEXURE I, Scope of supply in ANNEXURE II and Scope of work as per Annexure-III.	SET	1.000	1.00	09.12.17

General Note:

GENERAL NOTE:

PLEASE SUBMIT YOUR OFFER IN TWO PART BID SYSTEM

ENCLOSURES;

ANNEXURE I,II,III,IV,V,VI,VII,VIII

All the tenders may be addressed to the following address:

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

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

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

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

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

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

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

V. CHELLIAH
Sr Manager / Purchase
MM (F&S) / P&S
BHEL, TIRUCHIRAPALLI - 620014



429-002/A

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2681700019 / 20.10.2017

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are liable to be rejected.

The bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.

The supplier shall submit EI/EII forms to BHEL time to time as indicated by the BHEL and in case of inordinate delay in issuing EI/EII forms, then BHEL reserves the right to deduct 5% of the value of the supplied items against which EI/EII forms pending to be issued

Enclosures:

"LD clause has to be confirmed without fail."

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**


V. CHELLIAH
Sr. Manager, Purchase
MM FORM / BOILERS
BHEL, TRICHY - 620 014.

ANNEXURE I

Upgradation of the existing CNC System, axis & spindle motors and drives in SKIQ-12 CNC M/c.

QUALIFICATION CRITERIA		
S.No	Description	Vendor to specify details
	Vendors who satisfy the following pre qualification criterion are only eligible to participate.	
1	The vendor shall have experience of having successfully carried out CNC retrofitting & reconditioning work in India. Experience of having successfully completed similar works during last 7 years (ending last day of month previous to the one in which applications are invited) should be either of the following: - a. Three similar completed works, each costing not less than the amount INR 20 lakhs. or b. Two similar completed works, each costing not less than the amount INR 25 lakhs. or c. One similar completed work costing not less than the amount INR 40 lakhs. "Similar work" here means CNC retrofitting / reconditioning of machine tools. Documentary evidences like PO copy, Final MOM or Completion Report to be submitted in support of the above.	
2	The vendor should submit at least one Performance Certificate issued by customer regarding satisfactory performance of the retrofitted CNC machine within the last 7 years. (Hardcopy of the certificate or through Email directly from the customer). Copies of purchase orders/work orders should also be submitted for verification.	


T. VEDHAGIRI
 Deputy Manager
 Maintenance & Services
 BHEL, TRICHY - 620 014


A.P. JAYADEVAN
 Dy. Manager
 Maintenance & Services
 BHEL, TRICHY - 620 014.


S. CHANDRALEKA
 Manager
 Maintenance & Services
 BHEL, TRICHY - 620 014.

RETROFITTING & RECONDITIONING OF SKIQ12 M/C.		
ANNEXURE II		
MACHINE SPECIFICATION & DETAILS OF EXISTING MACHINE PARTS		
S.No	Description	Vendor's Remarks / Compliance
A	CNC SYSTEM: SIEMENS Make SINUMERIK 820T with 2-axis, and one spindle	
B	X-axis: Indramat make motor: MAC 112D-0-HD-4-C/180-B-2/W1522LV/S209 (With Brake) Continuous torque at standstill: 38Nm Drive (Feed Module): TDM 1.2-100-300-W1-000 Pulse Sensor: 2500PPR	
C	Z-axis: Indramat make motor: MAC 112D-0-HD-4-C/180-B-2/W1522LV/S209 (With Brake) Continuous torque at standstill: 38Nm Drive (Feed Module): TDM 1.2-100-300-W1-000 Pulse Sensor: 2500PPR	
D	Spindle Motor: Main motor: 1PH6 206-4NE49-Z AC Motor, S1 63KW,122A@1250rpm; 63KW,102A@4000rpm Pulse Generator: RON 350;2048 pulses/rotation (inbuilt in the motor) Drive: Indramat Spindle drive External Pulse Sensor: ROD 426-1024 pulse/rev.	
E	Machine inbuilt with rotary tool magazine for automatic tool exchange and cross rail positioning (cross rail up and cross rail down).	
F	Auxiliary motors 1 Motor for the cross rail transfer 2 Motor of the pump of the hydraulic aggregate: 2.2KW; (MEZ Mohelnice make) 3 Motor for the face plate lubrication: 0.2KW: (MEZ Brno make) 4 Motor for the Coolant pump: 0.37KW (MEZ Mohelnice) 5 Drive for rotating the magazine: 550/750W; (MEZ Mohelnice make) 6 Drive for front and side chip conveyor: 550W; (MEZ Mohelnice make) 7 Grinding motor	
G	Rating of Isolation Transformer and voltage stabilizer: 100KVA each	
H	Working Range: 1. Turning diameter max. - peripheral: 1440mm & front:1500mm 2. Maximum distance between clamping plate and tool clamping surface: 2020mm 3. Tool ram stroke max (Z axis) : 1000mm 4. Workpiece height max.: 1770mm 5. Workpiece mass max: 12000Kg 6. Max. cutting force for non-interrupted cut at cross rail tool head: 50000N 7. Max. sec of tool body: 40X40mm 8. Cross rail stroke max. : 1250mm 9. Velocity of cross rail reset: 480mm/min 10. Clamping Plate Diameter thereof: 1250mm	

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1.4	Supply of external encoders for X and Z axes. Encoder couplings for the mounting the encoder to be supplied. Make: Fanuc/Siemens only acceptable, PPR: 2500	
1.5	Supply of new Power cable, motor encoder cable, external encoder cable with end connectors and of required length to suit the machine for the two servo motors. (X,Z)	
1.6	Supply of AC spindle motor of suitable capacity to replace the old spindle motor. The parameters and ratings of the offered motor shall be equal to or higher than the existing spindle motor and suitable to be interfaced with the CNC system offered. Any mechanical interfacing arrangement required to match the new motor with the existing mechanical drive system should be included in the offer. The type number / model of the motor selected should be indicated in the offer.	
1.7	Supply of new Power cable, motor encoder cable, external encoder cable with end connectors and of required length to interface the machine and the spindle motor	
1.8	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.	
1.9	Supply of external encoder with sufficient cable length for spindle. Encoder couplings for the mounting the encoder to be supplied. Make: Fanuc/Siemens only acceptable, PPR: 1024	
1.10	Supply of air conditioning unit for the Electrical panel and operating panel of sufficient rating. Air conditioner shall be of following makes only. i. M/s Advance Cooling System pvt ltd ii. M/s Werner Finley pvt ltd iii. M/s Rittal	
1.11	Supply of necessary line filter and reactor units for the drive modules	
1.12	Supply of control transformers and 24V SMPS power supply of reputed make.	
1.13	Supply of suitable handheld MPG unit along with 5 metres cable and adapter as required.	
1.14	Supply of new operating pendant for mounting the new CNC system and keyboard.	
1.15	Supply of new Electrical panel for mounting the drives, power supply units and other switchgears. The panel should have the following features. 1. The panel shall be metal enclosed, indoor, floor mounting and free-standing type. The panel shall be free from flaws, dents and undulations. 2. All mating surfaces shall be provided with neoprene gaskets. Panel shall be provided with three point locking arrangement. Hardware used shall be chrome/ nickel - plated. The anti-vibration pad shall be of hard rubber. 3. Panel shall be coated with two coat of anti- rust paint (primer) and two coat of acid alkali resisting epoxy based paint suitable for working in saline and corrosive atmosphere. 4. Removable cable entry shall be provided. 5. The bottom surface of the control panel should be free and no components should be mounted on it.	
1.16	Supply of suitable capacity MCB switch for incoming supply, 3ph digital energy meter and suitable ratings of MPCB (Motor Protection Circuit Breakers) for all the auxiliary motors / equipments in the new panel.	
1.17	Supply of suitable ratings of MCB, MPCB, contactors, relays, fuses and other control elements for replacing the old switchgears in the panel.	

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1.18	Supply of new limit switches, proximity switches, flow switches etc for the replacement of old sensors in the machine. All sensors available for tool magazine and cross rail functioning to be replaced.	
1.19	Supply of isolation transformer and stabilizer of rating 100 KVA. Isolation Transformer & Stabilizer shall be of following make: i) M/s. NEEL ii) M/s. AEI iii) M/s. POWER AID or any other reputed make acceptable to BHEL	
1.20	Supply of necessary cables, wires, glands, sleeves, ferrules etc for complete rewiring of machine.	
1.21	Supply of new induction motors for replacing all the old motors in the machine.	
1.22	Supply of a) Three sets of manuals for the CNC system, servo motors, spindle motor, drives and manuals of bought-out components. b) Three sets of Electrical drawings for entire machine. c) Three sets of CNC parameter list and PLC program d) Three sets of Instruction manual and user alarm description	
1.23	Supply of tools for maintenance of the machine. 1. Digital multi meter (AC/DC 0-600V) - 1 no 2. Clamp meter (AC/DC 0-600A) - 1 no 3. Crimping tool set (for cables upto 16 sqmm) - 1 set	
1.24	Supply of machine lamp and 24V hand lamp for the machine.	
S.No	Description	Vendor's Remarks / Compliance
2	Mechanical	
2.1	Supply of necessary brackets for mounting the new AC servo motors for axes and spindle.	
2.2	Supply of Hydraulic oil and Spindle lubrication chiller units of sufficient rating for the machine. Chiller of following makes only acceptable to BHEL i. M/s Advance Cooling System pvt ltd ii. M/s Werner Finley pvt ltd iii. M/s Rittal	
2.3	Supply and installation of Centralized lubrication system (including pump, motor and piston distributors) for the guide ways. Vogel/SKF/Cenlub makes only acceptable to BHEL.	
2.4	Supply of pressure switches for the Hydraulic set.	
2.5	Supply of vibration pads for hydraulic pump and motor system mounting	
2.6	Supply of hydraulic valves equivalent to the models mentioned below in Rexroth/Vickers make. MRPS 2-4204-80A 24V - 2 NO RSE1-043 Z11/024-1/00 -2 NO RSE-063 Y11/024 S-1 MPRS 2 -4304-10A 24V -2NO MPRS 4304 -10A RSE 2 062 X11 024 S-1 RSE 2 062 J25 024 S-1 RSE 1-103 Z11/024 S-H-1 Existing Make: TOS Vrchlabi	
2.7	Supply of suitable manifold for mounting above mentioned hydraulic valves.	
2.8	Supply of pump model no: 1PV2-V3-30/12 RA 01 MC 100A1 Make: TOS Rakovnik or equivalent model in Rexroth/Vickers make.	

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2.9	Supply of pressure switch model as mentioned below or its equivalent in Rexroth/Vickers makes only. 1. 0050/002 03 - 4 NO 2. S 853 C2 - 3 NO 3. 0050/002 01 - 3 NO Make of existing model is TOS Hulij	
2.10	Supply of suitable manifold for mounting above mentioned hydraulic pressure switches.	
2.11	Supply of one complete set of high pressure hydraulic hoses with suitable fittings for replacing the old hydraulic hoses in the machine.	
2.12	Supply of suitable coolant hoses for the coolant system	
2.13	Design and Supply of coolant pumping and recirculation system. The system included following. 1. Coolant tank with capacity of 800 LTRS (MIN) 2. Magnetic Coolant separator suitable to filter flow rate of pump 3. Immersible Coolant pump with 100LPM capacity. Make: Rajamane or any other standard make. 4. Float switch with proximity sensor feedback. 5. Hose/tubes for coolant circulation-ONE SET	
2.14	Design and supply of chip conveyor with torque limiter arrangement. The chip conveyor consists of following components. 1. Conveyor made up of perforated steel chain with rollers. 2. Coolant tank attached to the conveyor 3. Immersible pump (suitable capacity) to transfer coolant from conveyor tank to main coolant tank. 4. Suitable drive reduction gear box and motor. 5. Hose/tubes for coolant circulation-ONE SET 6. Chip collection bin.	
2.15	Supply of guideway wipers for Z and X axis - TWO SET	
2.16	Supply and replacement of all seals used in turret, tool changing and tool locking cylinder	
2.17	Supply and replacement of all seals required for the servicing of gear box drive for cross rail movement.	
2.18	Supply and replacement of all the old metal lines with new metal lines and fittings for lubrication system.	
2.19	Any material not specified in scope of supply but required for successful commissioning of the supplied electrical/electronics and mechanical materials are in the scope of the contractor.	
3	Important point to be noted by the vendor: Vendors (except OEM of the machine) MUST visit HPBP BHEL, Tiruchirappalli, study the existing machine and assess the work content before submission of quotation. Only such vendors shall be considered for technical evaluation.	

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RETROFITTING & RECONDITIONING OF SKIQ12 M/C.		
ANNEXURE III		
SCOPE OF WORK		
S.No	Description	Vendor's Remarks / Compliance
1	Preparation of new circuit diagram for complete electrical systems with the new CNC/ Drives/ Motor. Design of brackets for motor for X/Z and spindle wherever required.	
2	Dismantling and removal of old Electrical cabinets, CNC control panel, operator panel switch gear ,CNC,PLC, feed motors, spindle motor, Drives , encoders and field devices along with old cabling and wirings.	
3	Assembly of servo motors for X, Z and spindle with suitable mounting brackets.	
4	Installation of new Electrical Panel with drive system and Interfacing the machine control elements like limit switches, pressure switches, level switches, pushbuttons etc, with necessary wiring materials.	
5	Erection of the operating pendent and mounting the CNC system on it.	
6	Assembly of AC Drives and other switchgears in the new Electrical Panel.	
7	Mounting of external encoders wherever required.	
8	Replacing the limit switches, proximity switches and other sensors in the machine.	
9	Complete rewiring of the machine to establish all the existing machine functions.	
10	Vendor to dismantle existing vibration type chip conveyor from the machine to install a new system.	
11	Vendor to take up suitable sheet metal modification work at site for fixing of chip conveyor and coolant circulation system to ensure leak free operation of conveyor	
12	Vendor to properly lay pipeline/flexible line provision for coolant circulation system with suitable fittings.	
13	Dismantling and servicing of turret changing system. Vendor to supply and replace the seals used in turret, tool changing and tool locking cylinder. Vendor to list all the seal items during servicing	
14	Dismantling and servicing of gear box drive for cross rail movement. Vendor to supply and change all seals required.	
15	Vendor to repalce all the hydraulic hoses with suitable fittings.	
16	Vendor to properly install the manifold and hydraulic valves and pressure switches in the machine.	
17	Replacement of all the old metal lines with new metal lines and fittings lubrication system.	
18	If any sheet metal gaurding/cover/doors damged during dismantling and assembling of chip conveyor and coolant circulation system, vendor to rectify the same.	
19	Installation of all other supplied materials.	
20	Interfacing the CNC system, drives, motors, lubrication system and other accessories to establish the complete functioning of the machine.	
21	Movement of Cross rail position up & down and rotary tool magazine should be interfaced with the proposed CNC system.	

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22	Protective doors to be interfaced with the system.	
23	Optimizing the parameters for X, Z and spindle	
24	Development of PLC program as per the new CNC controller and implementation on machine.	
25	Laser calibration of X & Z axes (before and after the work) and generation of compensation data for pitch error and backlash.	
26	Prove-out of all the functions of the machine.	
27	Demonstration of all programming features of new CNC System .	
28	The complete system will be integrated and proved out for performance With a standard test piece and also two regular production components.	
29	BACK UP: The back up of machine, softcopy of documentations to be given in CD, USB as well as in flash card compatible with the CNC system.	
30	TRAINING:	
30.1	Training shall be given for 2 Maintenance personels on CNC/ Drives maintenance & for 2 Production personels on Operation and Programming of the CNC at the OEM's works for 5 days.	
30.2	Training to be imparted to BHEL personels on operation, programming and maintenance of the CNC machine at BHEL for 2 days.	
31	DOCUMENTATION: 3 sets of the following documents shall be supplied ☒ Electrical circuit diagram ☒ PLC printout in ladder form with symbols & comments in English ☒ O&M manuals (hard copy) for CNC, PLC, Drives & Measuring systems. ☒ Programming manual (hard copy) for CNC system ☒ Machine data (NC, PLC, Setting & Alarm texts), Drives data & PLC program ☒ Details of all mechanical modifications & fittings with drawings.	
32	WARRANTY: The vendor shall stand warranty for the material supplied and work done for a period 12 months from the date of acceptance of the machine after successful job trials and completion of all work as per scope. Any material (supplied by the party) found defective within warranty period shall be replaced free of cost by the party.	
33	GENERAL CONDITIONS:	
33.1	The equipments should be suitable for 415V, 3ph, 50Hz, a.c. supply	
33.2	Vendors (except OEM of the machine) MUST visit HPBP BHEL, Tiruchirappalli, study the existing machine and assess the work content before submission of quotation. Only such vendors shall be considered for technical evaluation.	
33.3	Any other work (electrical, mechanical and electronics) not mentioned in this scope of work to keep the machine in working condition with all features as before taking up the machine for reconditioning are in the scope of the contractor.	
33.4	Materials used shall be of reputed make or as per IS standards.	
33.5	Party shall bring all tools and testing equipment with them during erection and commissioning.	

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Annexure for Techno Commercial Bid

Check List - to be filled and submitted along with Technical Bid

BHEL Commercial Terms and Conditions for Indigenous Supplies	Vendor's Confirmation / Comments
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	
Prices shall be quoted on " FIRM PRICE " basis only The prices should be only on F.O.R / Despatching station basis with 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 from the date of Letter of Intent / Purchase order shall be clearly mentioned in the offer	
Liquidated damages @ '0.5% per week subject to a maximum of 10% of the order value shall be applicable for delay in deliveries For Details Refer Annexure- v	
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	
Payment term for supply portion: Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials For details Refer Annexure- v	
Erection / commissioning: (if applicable only) Erection / commissioning charges if any has been mentioned in the offer or else confirmation that Erection / commissioning shall be done at free of cost is available in the offer,	
The equipment shall be guaranteed for a period of 12 months from the date of commissioning	
Final inspection and acceptance of equipment will be after installation at BHEL, Trichy	
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 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-scribing clearly the Enquiry reference and due date.	
GST in % Kindly mention the HSN code for all tender items	
Packing & Forwarding Charges (if any in % only)	
Percentage of Freight& transit insurance charges, if any Freight charges from Dispatching station to BHEL, Tiruchirappalli • Supplier should quote for F.O.R-BHEL Trichy Stores.	
As per Commercial terms and conditions, acceptance for participation in Reverse auction (RA).Yes/No to be indicated	
Name of the person for participating reverse auction	
Land Line Number	
Fax Number	
Mobile Number	
E-mail ID	

NOTE:-

- 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.
- Your specific acceptance to our Payment terms, LD & Risk Purchase Clause are essential for consideration of your offer. Other wise your offer is liable for rejection.
- No row shall be left blank. Please indicate NA, in case the item is "not applicable"

Annexure For Price Bid

Bharat Heavy Electricals Limited TIRUCHIRAPPALLI
MODEL PRICE BID FORMAT FOR INDIAN BIDDERS

CAPITAL PURCHASE

Annexure-V

Enquiry No. & Date:

Bidder's Offer No. & Date:

Sl No	Description of item	Unit	Quantity	Rate in Rs.	Value in Rs.
	TOTAL VALUE IN RS.				
	Packing & Forwarding charges in % if any				
	Freight & Insurance Charges In % if freight charges are not mentioned it will be considered as FOR-BHEL TRICHY.				
	GST (indicate in %)				
	Approximate Net weight of the total consignment				
	Approximate Gross weight of the total consignment				
	Approximate Dimensions of the Consignment				
	The price indicated shall be inclusive of all accessories, spares etc. as given in the scope of supply. Individual item-wise break-up price shall be attached as an annexure to this price bid format.				

Signature & Seal of Vendor

NOTE:

1. 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"
2. Prices shall be quoted item-wise only as per the above format.

Payment Term (Indigenous)	
If materials are receivable at Stores/Trichy without PBG	Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials.
If materials are receivable at Stores/Trichy with PBG	Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials and against 10% PBG valid for the warranty period.
Any deviation in the above payment term will attract loading as mentioned below. **Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.	

Payment through Bank is not preferred. In case of Payment through Bank is opted by Supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of Goods to Site/Stores with Consignee copy attached. In this case Loading will be 3% on the offered value.
Offers of indigenous Suppliers with payment terms as LC/Advance Payment are liable for rejection.

Liquidated Damages / Penalty -
Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value.
For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.
Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).

Guarantee / Warranty Period – (if applicable)
Normally No deviation permitted and the deviated offers are liable for rejection.

Ranking-
BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.

Performance Bank Guarantee – (if applicable)
Normally No deviation permitted and the deviated offers are liable for rejection.

NOTE:-

1. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working day.
2. 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 commercial terms and conditions.
3. 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.

Special Provisions for Micro and Small Enterprises (MSE)

1. 20% of the tendered quantity is earmarked for MSE suppliers in this tender.
2. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC/ST entrepreneurs.
3. In case MSE vendor participating in the tender quotes within the price band of L1+15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.
4. "MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -VII where deemed validity of EM II certificate of five Years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part I in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer."

Certificate by Chartered Accountant on letter head

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

Further verified from the Books of Accounts that the investment of the company as on
date..... as per MSMED Act 2006 is as follows:

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

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

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant