

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 GST & 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.	
Confirm MSE vendor or not (Incase of MSE vendor necessary documentary proof shall be furnished as per Annexure VI)	
% of applicable GST	
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 offer should be indicating applicable If any P&F Charges, % of GST, Freight, Insurance and Installation and Commissioning Charges etc., as per our Price Format
- 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 CAPITAL PURCHASE
MODEL PRICE BID FORMAT FOR INDIAN BIDDERS Annex

Annexure-IV

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.				
	GOODS AND SEVICES TAX (indicate in %)				
	A) GST (%)				
	B)				
	C)				
	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.**
- 3. If Price quoted is Inclusive of taxes, the included tax Value and Base Value shall be indicated item-wise.**

Annexure-V

Offers of indigenous Suppliers with any other Payment terms will be rejected.	
Payment Term (Indigenous)	
If offer is received from both OEM/Manufacturer and authorized dealers or agent, then OEM/Manufacturer offer will only be considered and dealers or agent offer will be ignored.	
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.	

Liquidated Damages / Penalty -
The delivery of the goods specified in the purchase order should be made within the time prescribed. LD for delay in ‘Supply’ and/or ‘E&C’ will be applicable to the delays attributed to vendor. LD will be considered separately for ‘Delivery’ and ‘E&C’. Where the seller supplies or dispatches the goods, beyond the delivery period Liquidated damages shall be applicable 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. Material Despatched after Due date: Once the delivery due date is crossed, <u>bills have to be clubbed till final despatch and forwarded for processing of payment as a single bunch</u>. LD percentage will be calculated from Delivery due date to final despatch date. The rate of LD for delayed E&C shall be @ 0.5% per week of delay of total PO value (Supply + E&C) in E&C subject to a maximum of 10% of total PO value (Supply + E&C). 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). For the purpose of Imposing LD, the FOB delivery (B/L date) shall be considered.

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.

Fraud prevention clause: The bidder along with its associate/collaborator/sub-contractor/sub-vendor/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.

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 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.
Such Micro/Small Enterprises registered vendors must state the sub-category to which they belong and submit documentary proof for the same. The sub-categories are:
 - (a) Enterprises owned by Scheduled Castes.
 - (b) Enterprises owned by Scheduled Tribes.
 - (c) Enterprises owned by other than above two categories

The enterprises under (a) & (b) means the proprietor in case of single owned firm and all partners in case of partnership firm and all directors in case of private/public limited must belong to SC/ST category.
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 1 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

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.5.0.1722(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 for Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership Number -

Seal of Chartered Accountant

Terms for GST:

For supplies after implementation of GST i.e. after 30.06.2017, the following conditions will

apply and supplier shall fully comply to the below points.

Indigenous suppliers:

1. Response to Tenders for Indigenous supplier will be entertained only if the vendor has a valid GST registration no which should clearly mentioned in the offer. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer..
2. Supplier shall mention their GSTN registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.
3. All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code).
4. A declaration to the effect that all invoice particulars are/were uploaded in the GSTN network/ portal & all tax liability as per GST rules and regulations have been and will be discharged, shall be mentioned in the invoice. If not mentioned in the invoice, a separate declaration shall be submitted as per the requirement of BHEL.
5. All documents like Mill Test Certificate, LR copy, Guarantee/Warranty certificate, work completion certificate, any other document mentioned in PO, shall be sent along with the vehicle/consignment. For all consignments received within the calendar month, input credit will be availed within that month in line with monthly returns filing cycle. In case of any discrepancy in the document or non-submission of documents mentioned in the PO, then BHEL will not be able to accept or account the material, in such case availing of tax credit will be deferred to next month or so.
6. In case of discrepancy in the data uploaded by supplier in the GSTN portal or in case of any shortages or rejection in the supply, then BHEL will not be able to avail the tax credit and will notify the supplier of the same. Supplier has to rectify the data discrepancy in the GSTN portal or issue credit note (details to be uploaded in GSTN portal) for the shortages or rejections in the suppliers, within the calendar month notified by BHEL.
7. For any such delay in availing of tax credit for reasons attributable to supplier (as mentioned above), interest (calculated @ SBI Base Rate + 6%) alongwith penalty if any will be deducted for the delayed period i.e. from the month of receipt till the month tax credit is availed, from the running bills.
8. Under GST regime, BHEL has to discharge GST liability on LD recovered from suppliers/contractors. Hence applicable GST shall also be recoverable from suppliers/contractors on LD amount. For this Debit note will be issued by BHEL indicating the respective supply invoice number.

**Supply, Erection and Commissioning of Forced Draft (FD) fan assembly of
11000 Nm³/Hr capacity for Continuous discharge Furnace in bay 2/107**

PART A

QUALIFICATION CRITERIA		
S.No	Description	Vendor to confirm
1	Only industrial fan manufacturers, who have experience and carried out the following activities specified in Sl.No.1.1,1.2 and submitting the requested documents are eligible to participate in the tender and further evaluation. If not meeting the qualifying criteria,the tender is liable for rejection:	
1.1	Vendors who have manufactured and supplied either Induced draft fan or Forced draft fan of capacity above 5,500 Nm3/Hr at a static pressure of 1000 mm WC and above, for industrial process application,to at least two companies in the past 05 years from the original date of tender opening and the referred machines are presently working satisfactorily for more than one year from the date of commissioning (as as on the original date of tender opening) for which required purchase order copy is to be submitted along with the offer.	
1.2	The vendor should submit performance certificate as per annexure I,from minimum one customer for the satisfactory performance of the fan that is supplied against order submitted along with the offer for the above Sl. No. 1.1 in the customer's letter head,else the offer shall be rejected.	
2	The vendor should submit the following details of the customer specified in the order submitted for the above Sl.No.1.1. a)Postal address of the customer,Name & Designation of the contact person of the customer. b)Phone number and email address of the contact person of the customer.	
3	Vendor shall compulsarily visit BHEL,Trichy to assess the site conditions before submission of the offer,else the offer shall be rejected.	
4	BHEL will verify the above information provided by the bidder.In case the information provided by vendor is found to be false/incorrect,the offer shall be rejected.	
5	BHEL reserves the right to visit the vendor's works if required for verifying the manufacturing facilities and any other credential furnished by the vendor. In case the information furnished alongwith the offers is found to be false/incorrect, the offer shall be rejected.	

ANNEXURE - I

PERFORMANCE CERTIFICATE
(On Customer's Letter Head)

- | | | |
|---|--|---|
| 1 | Supplier of the machine | : |
| 2 | Make & Model of the Fan with capacity | : |
| 3 | Month & Year of Commissioning | : |
| 4 | Application for which machine is used | : |
| 5 | Installed capacity (in CMH) | : |
| 6 | Performance of the Machine
(Strike off whichever is not applicable) | : Satisfactory / Good / Average /
Not Satisfactory |
| 7 | After Sales Service
(Strike off whichever is not applicable) | : Satisfactory / Good / Average /
Not Satisfactory |
| 8 | Any other remarks | : |

Date :

Signature & Seal of the Authority
Issuing the Performance Certificate

**Supply, Erection and Commissioning of Forced Draft (FD) Fan of
11000 Nm³/Hr capacity for Continuous discharge Furnace in bay 2/107**

PART B		
Sl.No.	DESCRIPTION	BHEL SPECIFICATION
1	Specification of FD Fan	
1.1	Design Mass Flow	11000 Nm ³ /hr
1.2	Impeller Type	Backward Curved (Single Inlet)
1.3	Operating Flow range	10,500 - 11000 Nm ³ /Hr (at discharge side)
1.4	Medium Handled	Atmospheric Air
1.5	Duty	Continuous
1.6	Static Pressure @ Inlet (mmWC)	0
1.7	Static Pressure @ outlet (mm WC)	1100 -1200
1.8	Total Pressure (mm WC)	1160 - 1200
1.9	Total Efficiency (%)	70 - 80
1.10	Drive	Direct driven with foot mounted motor
1.11	Fan Speed (RPM)	2900 - 3100
1.12	Suction Position	To be observed during site visit
1.13	Delivery position	To be observed during site visit
1.14	Suction Silencer	Vendor to confirm
1.15	Suction filter Efficiency	90 to 95 % down to 20 microns
1.16	Material of construction for Forced Draft Fan:	
1.16.1	Casing	Vendor to specify
1.16.2	Impeller	Vendor to specify
1.16.3	Drive shaft	Vendor to specify
2	Specification of Electric Motor:	
2.1	Make of Motor	ABB/Siemens/Kirloskar/Crompton/Bharat Bijlee/Hindustan/NGEF/Alstom(Marathon)/Any other BHEL approved Makes

TECHNICAL SPECIFICATION FOR FD FAN

Sl.No.	DESCRIPTION	BHEL SPECIFICATION	VENDOR'S RESPONSE
2.2	General Description	Flame proof Squirrel cage type induction motor	
2.3	Energy Efficiency Class	Energy efficient motor complying to IE3 standard	
2.4	Duty Cycle	Continuous rating, S1	
2.5	Power rating	55 kW or more - To be mentioned by vendor	
2.6	Rated Voltage and tolerance	415 V +/- 10%, 3 Ph AC	
2.7	Rated Frequency and tolerance	50 Hz, +/- 5%	
2.8	Type of Enclosure	Totally enclosed Fan Cooled (TEFC), IP 55 as per IS/IEC -60529 & Flameproof Ex-'d' as per IS/IEC -60079.	
2.9	Area of classification	Group IIA, IIB	
2.10	RPM	around 3000 rpm/2 pole motor	
2.11	Class of Insulation	Class F	
3.0	Other accessories:	Drain Plug, Inspection door, lifting lugs, stiffeners on casings. Vendor to specify	
4.0	Other details of FD Fan with motor Assembly for CDF bay 2/107:		
4.1	The combined overall dimensions of the FD Fan assembly with motor and base frame along with acoustic enclosure and suction silencer shall be limited within the available floor space in the CD furnace area at bay 2 building 107. The vendor to visit BHEL, Trichy to assess the site conditions before submission of the offer.		
4.2	STATUTORY REQUIREMENT: Noise level at distance of 1.5 metre from the FD Fan in the ducting condition is to be strictly within 85 Decibels. Suitable material of construction for the FD Fan components and acoustic enclosure shall be provided by the supplier. The noise will be checked by BHEL after erection of the fan. Hence without the satisfactory results, the commissioning of the FD Fan shall not be completed.		
4.3	01 set of FD Fan Assembly consists of the 1. FD Fan with acoustic enclosure ; 2. Base frame for FD Fan and motor; 3. Suction filters and suction silencer; 4. Motor with pedestal; 5. Discharge flange to link the discharge side of FD Fan and the existing outlet pipeline. Also, suitable vibration isolator and foundation bolts are to be provided.		

TECHNICAL SPECIFICATION FOR FD FAN

Sl.No.	DESCRIPTION	BHEL SPECIFICATION	VENDOR'S RESPONSE
4.4	Necessary primer coat and finishing coat for the FD Fan with motor Assembly shall be carried out as per industrial practise. The finishing coat to be of apple green shade confirming to IS 5:2007 standard.		
4.5	The Impeller assembly has to be balanced dynamically as per IS 1940 Gr.2.5 & Q 6.3 The balancing of impeller assembly shall be carried out before the installation of impeller assembly as well after the installation/erection of the FD Fan Assembly if required.		
5.0	Scope of Supply and Work by Vendor		
5.1	FD Fan assembly with acoustic enclosure, motor with pedestal, anti vibration pads, base frame for fan and motor, suction filter, suction silencer and outlet flange connecting FD Fan outlet with existing pipeline: 01 Set.		
5.2	Design, Supply, Erection and Commissioning of the FD Fan within the available floor space at CD furnace area in bay 2 building 107, as per BHEL requirement and instructions.		
5.3	Supply, Erection and Commissioning of the FD Fan with motor is in the scope of the vendor. During the erection of the FD fan, inter-connecting the new FD Fan with the existing ducting system is to be done by the vendor. In this regard, metallic air duct of required size and thickness to be provided by the vendor, which has to be accommodated within the space available. The vendor shall visit BHEL, Trichy to assess the site condition, before submission of the offer. The required flanges, fasteners, gaskets, foundation bolts required during the erection is in the scope of vendor.		
5.4	The vendor shall compulsorily do the FD Fan proveout tests for the design flow rate and static pressure , at BHEL site after the erection of the FD Fan for which the required instruments, tools etc are in the scope of the vendor. Without the satisfactory proveout tests and submission of the necessary documents, the commissioning of the FD Fan shall not be completed.		
6	General points		
6.1	General Arrangement Drawing of the FD Fan assembly with acoustic enclosure, suction filter, suction silencer with technical data sheet is to be submitted along with offer.		
6.2	The successful vendor has to visit the site after placement of order, to ascertain the exact dimensions of the existing FD Fan assembly and get approval from BHEL Engineer within 2 weeks from the date of PO before manufacturing.		

R.ALAGESAN /DM/Maint. and services

DR.KEVIN ARK KUMAR /DM/Maint. and services

TECHNICAL SPECIFICATION FOR FD FAN

Sl.No.	DESCRIPTION	BHEL SPECIFICATION	VENDOR'S RESPONSE
6.3	The entire erection, commissioning and prove out of the new FD Fan in the existing available floor space is to be carried out by the vendor and is to be completed within ONE Week from the date of handing over of the site to the vendor by BHEL. BHEL shall dismantle the existing FD Fan assembly only.		
6.4	It is in the scope of vendor to arrange the required tools and tackles and the required manpower to complete the work within the specified time.		
6.5	Minor civil works if any required during the erection will be carried out by BHEL.		
6.6	Required electrical connection for the motor will be carried out by BHEL including cabling.		
7	Fan routine tests as per standards	The following fan test are to be conducted and test reports to be furnished along with the supply. 1. Performance test as per IS 4894-1987 / AMCA 210; 2. Vibration test as per ISO 14694:2003 (E); 3. Dynamic balancing as per ISO 1940 Q 2.5 & Q 6.3; 4. Inspection report. 5. Sound level test report. 6. Motor test reports.	
8	Warranty	Warranty for FD Fan with Motor assembly shall be given for a period of 12 months from the date of commissioning or 18 months from the date of supply which ever is earlier, against deficiency in performance and failure in materials and workmanship.	
9	Submission of Performance Bank Guarantee (PBG)	10% PBG to be submitted by vendor after placing order (vendor to confirm in technical offer)	
10	Delivery Period	a) The vendor shall submit the drawings for approval to BHEL within 2 weeks from the date of purchase order. b) The delivery Period has to be maximum of 16 Weeks from the date of drawing approval by BHEL.	
11	Documentation	3 Sets of Hard copies and 1 Softcopy of O and M manuals including drawings, required material test certificates, dynamic balancing certificates and other applicable certificates for the FD Fan with motor assembly are to be submitted along with the supply.	
12	ON THE SPOT VISIT	The vendor should make #ON THE SPOT# study of BHEL requirement prior to quoting. The offer submitted without site study shall not be considered for technical evaluation.	

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