

PURCHASE ENQUIRY

To M/s	Our E-mail : vivekf@bhelswr.co.in	
	ENQUIRY No.	XI082 E
	ENQ.DATE	30.03.2012
	DUE DATE	16.04.2012

Dear sir,

Kindly submit your sealed quotation by Speed Post / Registered Post / Courier / Air Mail in **two bids viz.**

(1) Technical cum Commercial Bid & (2) Price Bid for the material indicated below confirming acceptance to the terms and conditions enclosed ,so as to reach our office on or before **3.00 PM** on the due date. Quotation may be sent by Fax only if asked so by BHEL / with prior permission of BHEL.

S.. No	Description of Material	Unit	Qty	Delivery Schedule	Material Required at (Destination)
01	SUPPLY, INSTALLATION AND ON-SITE COMMISSIONING OF AIR BLOWER AT VARIOUS BHEL SITES AS PER ANNEX-I & ANNEX-II	Nos.	10	WITHIN 02 MONTHS FROM THE DATE OF PO	AS PER ANNEX-II

A) GENERAL TERMS AND CONDITIONS OF CONTRACT

Cl. No.	DESCRIPTION
01	Each tender should be sent in a double cover, inner cover should be sealed with tenderer's distinctive seal. The outer cover should bear the address of this office and superscribed with correct Enquiry No. and Due Date. Tender should be free from CORRECTION AND ERASURES. Corrections, if any must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount in figures and words, amount quoted in words shall prevail.
02	Technical cum Commercial bid will be opened at 3.30 PM on Due Date. The Technical cum Commercial bid should accompany copy of documents like authorized dealership certificate, earlier supply order details of similar equipment and their performance feedback from customers, company profile and present status, product catalogue of the models offered, technical specifications of the product, commercial Terms & Conditions and other relevant documents etc.
03	Price bid of technically accepted bidders only will be opened. No revision of prices will be entertained after Tenders are opened, unless mentioned in our enquiry / asked so by BHEL.
04	Manufacturer's name, Trade Mark or Patent No. if any, shall be specified in the Technical cum Commercial Bid
05	Please mention the relevant national / international standard code of the product quoted for in the Technical cum Commercial bid.
06	The purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.
07	Late tenders (received after Due Date & time) shall not be accepted in any circumstances.
08	Price quoted shall be valid for 90 days from the date of opening
09	Price shall be quoted as per enclosed 'Price Format' only. Quotations not accompanying filled in 'Price Format' are likely to be rejected. Please fill in all the columns of all formats

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10	The price quoted should be as applicable to DGS & D (Govt. of India) and other Govt. Organizations. In case DGS & D rate / Running Contract is not existing, but a contract is in vogue with any BHEL Unit, reference of the same shall be furnished and same may be applicable to this contract.
11	SECURITY DEPOSIT: The supplier shall have to furnish Security Deposit (Cash/DD/Bank Guarantee from a Scheduled Bank) if so specified in the tender under Special Terms & Conditions.
12	PACKING AND MARKING: The supplier shall arrange for secure protective packing of the goods suitable for tropical conditions to avoid loss, damage, atmospheric action during handling and transit. The packing standards will comply with relevant national standard/carrier's conditions of packing or established practice. If any damage is sustained and the carrier or underwriter attributes it to improper packing, the seller shall be liable to replace the material or reimburse the value of the loss notwithstanding any transit insurance arranged by him or not. The following marking shall be made on each package in black bold letters. NAME & ADDRESS OF CONSIGNEE, DIMENSION OF PACKAGE, WEIGHT DETAILS: GROSS, TARE & NETT These markings should be stenciled or written in bold letters on the package. Should the package be small, suitable cards/metal tags giving these details may be tagged or nailed
13	INSPECTION: Final inspection will be carried out the destination/site/Purchaser's works by the authorized inspecting Officer, if so specified in the tender under Special Terms & Conditions. Whenever preliminary or stage inspection is to be carried out at supplier's works the same is subject to final acceptance after receipt of the material at the destination/Purchasers works and the decision of the purchaser shall be final. The propriety of goods shall not pass until final acceptance by the purchaser
14	REJECTION: The seller shall intimate the purchaser in writing within 15 days (after being intimated about rejection of goods) regarding disposal action of the rejected material. If no advice is received within this time the purchaser shall be at liberty to return the material at the cost and risk of the seller after receiving the cost if any paid by the Purchaser including inward freight and other incidental charges. The Purchaser will not be responsible for the rejected material thereafter and no claim will rest on him.
15	Delivery: Purchaser shall not be liable to receive and pay for any supply made after delivery date stipulated in the order unless the delivery date is formally extended by the purchaser. Wherever the terms of delivery of the order is other than F.O.R. destination, delivery date will be reckoned as the date of dispatch or the date of readiness after inspection of the material where the Purchaser has agreed for inspection or collection.
16	Test certificate: The seller shall carry out such tests as prescribed by the purchaser / as required in accordance to the relevant national or international standards, in his works and/or and other places as stipulated in the order. Necessary test certificate shall be submitted with delivery of materials. The seller shall also provide at no extra cost the required number of catalogues, drawing and other manuals related to materials under this order.
17	TERMS OF PAYMENT: Payment will normally be made within a month of receipt of material in good condition at destination. Any other payment terms have to be mutually agreed. The seller shall send dispatch documents, invoice etc. in such quantum and a manner as provided in the order. (I) It is expressly understood that in the event of rejection of the materials for which payment has been made against document's through bank the Purchaser reserves the right to claim from the seller the amount paid and the incidental charged incurred in the same manner i.e. negotiating return dispatch documents, through Bank and the Seller shall honour such claim and retire the documents from the Bank. (ii) Bank charges for any payment claimed through Bank shall be borne by the seller and the seller shall also agree to bear any demurrage or other charges arising out of any delay in retirements or documents from Bank due to delayed, insufficient incorrect information furnished. (iii) The seller shall also ensure that the Carriers do not delay dispatch of the consignment once the carrier's receipt is obtained.
18	GUARANTEE WARRANTY: The materials shall be warranted for design material and workmanship and also for performance warranty as specially stipulated by the purchaser in the order in its annexure.
19	INSURANCE: Wherever specifically agreed to and directed, the supplier will insure the goods for all transit risks upto delivery of the goods at the final destination. In all other cases supplier must furnish particulars of dispatch for each consignment immediately after the dispatch of goods. Failure to do this will make the supplier responsible for making good any loss, which otherwise might have been recovered from underwriters.

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20	DELIVERY FAILURE, TERMINATION & LIQUIDATED DAMAGE: The parties hereto agree that the timely dispatch/delivery and completion of the other schedules as stipulated in order/contract shall be the essence of the Order/Contract. If the seller/contractor fails to complete the dispatch/ delivery and other schedules within the time period stipulated in the order/contract, or within any extension of time granted by the purchaser, it shall be lawful for the purchaser to recover damages for the breach of order/contract without prejudice to any other rights and/or remedies provided for, in order/contract and hereunder. The purchaser reserves the right to recover from the Seller/Contractor, as agreed liquidated damages and not by way of penalty, a sum equivalent to half percent {½% of the total contract price per week part thereof, subject to a maximum of ten percent @ 10%} of the total contract price excluding elements of taxes, duties and freight, if seller/contractor has failed to deliver any part of the goods within the period stipulated in the Order/Contract. The purchaser reserves the right to purchase from elsewhere on account of and at the risk and cost of the seller /contractor without notice to the seller /contractor of goods not so delivered or their equivalent , without canceling the order/contract in respect of the goods not yet due for delivery. The purchaser reserves the right to cancel the order/contract or a portion thereof for the goods not so delivered at the risk and cost of the seller/contractor and the seller/contractor shall be liable to the purchaser for any excess costs thereof.
21	RISK PURCHASE : In the event the supplier has failed to deliver or dispatch whole of the goods or any part within the time stipulated or if the same were not available in his stock, the best and the nearest available substitute thereof may be purchased/arranged by purchaser from elsewhere at the risk and the cost of the seller. The purchaser at his option will be entitled to terminate the contract and seller shall be liable for any loss which the purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in clause 20 above.
22	PREFERENTIAL DELIVERY : It should be noted that if an Order is placed on a higher tenderer as a result of this invitation to tender, in preference to the lowest acceptable offer in consideration of the earlier delivery, the seller will be liable to pay the purchaser the difference between the contract rate and that of the lowest acceptable tender on the basis of final price F.O.R. destination including all elements of freight, sales tax, duties and other incidentals in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and contract.
23	Purchaser reserves its right to the Public Enterprises price preference facilities as admissible under the Govt. of India policy from time to time.
24	This order or any part thereof shall not be sub-contracted without the purchaser's consent.
25	METRIC SYSTEM: Supplier is requested to indicate metric system measurements in all documents.
26	INDEMNITY: The Seller shall indemnify the Purchaser against any claim due to any breach of patent, negligence, defective material or injury to seller or his agent.
27	In the event of any reduction in the price, due to change of Govt. duties after award to the work and before delivery commencement, purchaser is entitled to such reduction and may negotiate fresh price at its discretion.
28	GENERAL: The purchaser reserves the right to split up the tender and place orders for individual item on different suppliers and also increase or decrease the quantity.
29	DISPUTES & ARBITRATION: All cases of disputes will be resolved according to the Indian Arbitration Act 1940
30	FORCE MAJEUR: Acts of God, Acts of Government, War, Sabotage, Riots, Civil commotion, Police action, Revolution, Natural Calamities, Epidemic and other similar causes over which the supplier has no control, will amount to Force Majeur. Delay attributable to Force Majeur will be condoned; however the onus of establishing the reason of delay lies with the Supplier.
31	Please Note: - Tender Specification documents with complete details are hosted in web page (www.bhel.com). Bidders can directly download the same and use for submission of offer. Tender Document charges (Rs 2,000/-) shall be paid to BHEL positively along with or before submission of Offer. Payment of tender document charges of Rs. 2000/- made by DD in favour of BHEL payable at Nagpur. - Interested bidders may alternately collect hard copy of Tender documents from this Office on all working days within the sale period on payment of Tender Document charges of Rs 2,000/- either by DD (in favour of BHEL payable at Nagpur) or cash. Courier charges will be Rs. 500/- extra if T.S. documents are requested through courier. - BHEL takes no responsibility for any delay/loss of documents or correspondences sent by courier/post. - BHEL reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever. - Dates of Price Bid opening will be intimated to Techno Commercially Qualified Bidders later.

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	f) All corrigenda, addenda, amendments and clarifications to Tender Specifications, revised Tender Submission Dates; etc will be hosted in the web page (www.bhel.com → Tender Notifications → View Corrigendum) and NOT in the newspaper. Bidders shall keep themselves updated on all such updates. g) BHEL reserves the right to reject any tender on the basis of unsatisfactory performance of the bidder in any ongoing job or any similar job in the last seven years or for furnishing false information/declaration in the offer.
32	a) Timing of sale of Documents: Tender Specification documents will be issued from BHEL PSWR Nagpur office from 10:00 AM to 4:00 PM on all working days within the period specified in the NIT. b) Holidays: • Sale of Tender Documents shall not take place on National Holidays, holidays declared by the Central or State Governments, Sundays, second and last Saturdays and holidays of BHEL PSWR Nagpur HQ. c) Seeking Clarifications on Tender Specification: • Clarifications on the Tender Specifications, if any, may be sought by the bidders so as to reach this office at least seven days before the Due Date for submission. d) Supporting Documents: • Bidders shall submit documents in support of possessing “Qualifying Requirements” as under duly self-certified and stamped by the authorized signatory. • Photocopies of Work Orders issued by the Customer containing details of Bill of Quantities/Schedule of Rates. • Photocopies of Completion Certificate issued by Customer or Owner of Project. • Photocopies of audited Profit & Loss accounts, Balance Sheets, accompanied by relevant schedules for Turnover figures. • LATE TENDER: Tender received after the specified time of submission shall not be considered in any circumstances. • Offers must be submitted without any deviation • Offers received with any deviation or without relevant information as described above are liable to be rejected. Price bids received in the form other than specified in Part-II (Price Bid) are liable to be rejected. • Bidder must sign & stamp all pages of this tender specification as an acceptance of tender conditions and must enclose this tender specification with their offer.
33	In case of any contradictions between General and special terms and conditions, the provisions in Special Terms & Conditions will prevail.

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LTD.

Sr. Engineer (PURCHASE)

B) SPECIAL TERMS AND CONDITIONS OF CONTRACT

Cl.No	Item Description
01	<u>QUALIFICATION REQUIREMENT:</u> Bidder must fulfill all the Qualifying Requirements (i.e. a, b, c, d, e) as under in order to be considered as technically qualified for this Tendering process: a) Bidder must have, in last two years as on 29/02/2012, executed any one of the following (i.e. a1 or a2): a.1) Supplied Air Blower of flow rate more 16000 M³/Hr to any Government, Semi Government/ or any other Customer for a value not less than Rs. 42.5 Lakhs, cumulative in maximum 03 purchase order in any one year out of two mentioned above. or a.2) Supplied Air Blower of flow rate more than 16000 M³/Hr to any Government, Semi Government/ or any other Customer for a quantity of not less than 08 numbers cumulative in maximum 03 purchase order in any one year out of two mentioned above. AND b) Bidders must have achieved an Average annual financial turnover of Rs. 42.5 Lakhs or more over last three Financial Years i.e. 2008-09, 2009-10 & 2010-11. AND c) Net worth of the Bidder based on the latest Audited Accounts as furnished for 'b' above should be positive. AND d) Bidder must have earned cash profit in any one of the three Financial Years as applicable in case of 'c' above based on latest Audited Accounts. AND e) Bidder should meet all the required technical specification as mentioned in ANNEX-I. ===== <u>Explanatory Notes for QR 'a'</u> 1. The word 'executed' means the bidder should have achieved the criteria specified in the QR even if the total contract has not been completed or closed 2. Bidder shall submit the Purchase Order along with proof of completion in favour of QR (a). 3. Bidder shall submit the authorized dealership certificate, in case bidder is not a manufacturer. 4. In case of audited Financial statements have not been submitted for all the three years as indicated against (b) or (c) above, then the applicable audited statements submitted by the bidders against the requisite three years, will be averaged for three years.
02	<u>Fulfillment of Qualifying Requirements:</u> A bidder must satisfy all the Qualifying Requirements stipulated under 'a', 'b', 'c', 'd' and 'e' of this Specification, concurrently in order to get qualified.
03	<u>Earnest Money Deposit (EMD):</u> Refundable, Non-interest bearing EMD of Rs.1,50,000/- (Rupees One Lakh Fifty Thousand) is applicable for this Tender. EMD shall be paid ONLY by Account Payee Demand Draft in favour of "Bharat Heavy Electricals Limited" payable at Nagpur.
04	<u>Tender documents cost:</u> Tender Document charges (Rs 2,000/-) shall be paid to BHEL positively along with or before submission of Offer. Payment of tender document charges of Rs. 2000/- made by DD in favour of BHEL payable at Nagpur.
05	The bidder shall submit all documents as called for in the support of qualification requirement and Technical specifications.
06	Bidder should furnish an undertaking for the product support along with uninterrupted and timely supply of fittings for at least 3 years for the quoted item.
07	The offer of the bidder giving unsolicited discount at any stage after the technical bid opening will be rejected.
08	Tender should be submitted in two parts (1) Technical bid comprising product catalogue, copy of relevant Indian Standards and Commercial Terms and conditions as enclosed. And (2) Price bid in prescribed price format in a separate sealed envelope. (Split up of Basic rate, Excise Duty/CVD, Sales tax / VAT must be furnished in the price bid) Tenders received as single bid indicating the price will be rejected.

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09	EVALUATION: - Offers will be evaluated based on total price of all the air blower required at a site and also by considering the input credit of ED offered by the vendor (i.e. total landed cost of all the air blower of a particular site including taxes, duties and freight minus ED paid for the same).
10	Bidder must confirm whether Excise Invoice shall be given or not. In case bidder confirms that excise invoice shall be given, then the evaluation of bid shall be on the basis landed cost to BHEL excluding Excise Duty.
11	Guarantee Condition: Guarantee shall be 12 months from the date of commissioning of Air Blower.
12	BHEL reserves the rights to increase or decrease the quantity of material required at any point of time during total tendering process.
13	Supply, Installation and On-site Commissioning is in supplier's scope.
14	DELIVERY PERIOD: 1) For JPL Raigarh site delivery within 01 months from the date of purchase order. 2) For remaining sites delivery within 02 months from the date of purchase order.
15	Payment Terms : a) 90% of basic + 100% taxes, duties and freight shall be payable within 30 days for the air blower supplied at Site in good physical condition and after acceptance of installation at site. b) 10% after completion of guarantee period of 1 year OR after submission of performance BG equal to the guarantee period and amount.
16	In case of any deviation in commercial terms and condition, offer likely to be rejected.
17	Octroi at Destination: Applicable Octroi at destination will be in BHEL account. However, bidder to make the Octroi payment and the same shall be reimbursed by BHEL on production of original Octroi receipt.
18	Bidder should submit the complete set of our Enquiry duly signed and stamped along with their offer as an acceptance of terms & conditions.
19	The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site (www.bhel.com ---> Tender Notification -> List of Banned Firms)

Thanking you,

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LTD.

Sr. Engineer (PURCHASE)

=====

Signature & Seal of Tenderer

CERTIFICATE OF NO DEVIATION

TENDER SPECIFICATION No. : XI082 E

I/WE, M/s

HEREBY CERTIFY THAT NOT WITHSTANDING ANY CONTRARY INDICATIONS / CONDITIONS ELSEWHERE IN OUR OFFER DOCUMENTS, I/WE HAVE NEITHER SET ANY TERMS AND CONDITIONS NOR THERE IS ANY DEVIATION TAKEN FROM THE CONDITIONS OF BHEL'S TENDER SPECIFICATIONS, EITHER TECHNICAL OR COMMERCIAL, AND I/WE AGREE TO ALL THE TERMS AND CONDITIONS MENTIONED IN BHEL'S TENDER SPECIFICATION WITH ASSOCIATED AMENDMENTS & CLARIFICATIONS.

SIGNATURE OF THE TENDERER

DATE:

TECHNO-COMMERCIAL TERMS & CONDITIONS: (PART OF TECHNICAL CUM COMMERCIAL BID)

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SN	DESCRIPTION OF T & C	TERMS & CONDITIONS AS QUOTED IN THIS TENDER
01	DELIVERY TERMS	F.O.R.DESTINATION
02	PLACE OF DELIVERY	VARIOUS BHEL SITE OFFICE AS MENTIONED IN ANNEX-II
03	DELIVERY PERIOD FROM THE DATE OF ORDER	AS PER THE CLAUSE NO. 14 OF SPECIAL TERMS AND CONDITIONS.
04	CURRENCY OF PAYMENT	INR
05	PACKING & FORWARDING CHARGES	INCLUDED@_____ % / EXTRA @ _____ % / NOT APPLICABLE
06	INSTALLATION CHARGES	INCLUDED@_____ % / EXTRA @ _____ % / NOT APPLICABLE
07	SERVICE TAX ON INSTALLATION	INCLUDED@_____ % / EXTRA @ _____ % / NOT APPLICABLE
08	EXCISE DUTY (% RATE)	INCLUSIVE@_____ % / EXTRA @ _____ % / N.A.
09	EXCISE DUTY INVOICE (FOR CENVAT BENEFIT)	SHALL BE PROVIDED/ NOT PROVIDED
10	VAT/CST WITHOUT 'C' OR 'D' FORM	FOR MAHARASTRA- Included @_____ % (or) Extra@_____ % (or) Not Applicable FOR GUJRAT- Included @_____ % (or) Extra@_____ % (or) Not Applicable FOR MADHYA PRADESH- Included @_____ % (or) Extra@_____ % (or) Not Applicable FOR CHHATTSGARH- Included @_____ % (or) Extra@_____ % (or) Not Applicable NO "C" OR "D" FORM WILL BE ISSUED BY BHEL
11	OCTROI / ENTRY TAX AT DESTINATION	EXTRA, IF APPLICABLE SHALL BE PAID BY BHEL ON PRODUCTION OF ORIGINAL OCTROI RECEIPT.
12	FREIGHT CHARGES UP TO DESTINATION	QUOTED EXTRA@_____ % / INCLUDED IN COMPOSITE PRICE BIDDER TO INDICATE APPLICABLE PERCENTAGE/PRICE IN THE PRICE BID CLEARLY.
13	TRANSIT INSURANCE CHARGES	BY BHEL. SUPPLIER HAS TO INTIMATE THE DISPATCH DETAILS TO BHEL'S UNDERWRITERS AS SOON AS THE MATERIAL DISPATCHED.
14	ANY OTHER CHARGES (please specify here the nature of charge)	(AMOUNT TO BE SPECIFIED IN THE PRICE FORMAT)
15	PAYMENT TERMS (Specify scope of Banker's Charges at both ends / Demand Draft Charges)	AS PER THE CLASUE NO. 15 OF SPECIAL TERMS AND CONDITIONS.
16	MODE OF DISPATCH	BY ROAD
17	NAME OF THE GOODS MANUFACTURER / PRINCIPALS	
18	TRADE NAME / MODEL NUMBER OF GOODS	
19	AUTHORIZED DEALERSHIP CERTIFICATE	CERTIFICATE OF MANUFACTURER/PRINCIPALS: ENCLOSED / NOT ENCLOSED
20	WARRANTY / GUARANTEE CONDITIONS	GUARRANTEE SHALL BE 12 MONTHS FROM THE DATE OF COMMISSIONING.
21	PRODUCT CATALOGUE / WRITE UP	ENCLOSED / NOT ENCLOSED.
22	UNDERTAKING FOR PRODUCT SUPPORT FOR ATLEAST 03 YEAR	SUBMITTED/ NOT SUBMITTED
23	CONTACT PERSON'S NAME TEL/MOB No. & e-mail id	

SIGNATURE & SEAL OF TENDERER

(This sheet should be duly filled, signed and sent as a part of technical bid. Otherwise the offer will not be considered for further processing)

PRICE FORMAT**BHARAT HEAVY****ELECTRICALS LIMITED****POWER SECTOR: WESTERN REGION: NAGPUR**

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NAME OF THE TENDERER: _____

SELLER'S REF. No. _____ DATE : _____

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S N	DESCRIPTION	JPL RAIGARH	NASHIK	AMARAVATI	AVANTA BHANDAR	DB POWER	JHABUA POWER	BHAVNAG AR	J.P. NIGRI	VISA POWER
A	ITEM DESCRIPTION AS PER ENQUIRY									
B	QTY OFFERED	2	1	1	1	1	1	1	1	1
C	UNIT RATE									
D	CURRENCY									
E	DISCOUNT IF ANY (%AGE)									
F	DISCOUNT AMOUNT (in Rupees)									
G	DISCOUNTED BASIC PRICE (G = C - F)									
H	INSTALLATION CHARGES									
I	SERVICE TAX ON INSTALLATION									
J	PACKING & FORWARDING CHARGES									
K	EXCISE DUTY (PERCENTAGE AND AMOUNT)									
L	EXCISE INVOICE FOR CENVAT BENEFIT									
M	CST / VAT WITHOUT C-FORM (PERCENTAGE & AMOUNT)									
N	FREIGHT UPTO DESTINATION									
O	TRANSIT INSURANCE	BY BHEL	BY BHEL	BY BHEL	BY BHEL	BY BHEL	BY BHEL	BY BHEL	BY BHEL	BY BHEL
P	OCTROI CHARGES / ENTRY TAX AT DESTINATION	BHEL ACCOUNT	BHEL ACCOUNT	BHEL ACCOUNT	BHEL ACCOUNT	BHEL ACCOUNT	BHEL ACCOUNT	BHEL ACCOUNT	BHEL ACCOUNT	BHEL ACCOUNT
Q	TOTAL PRICE AT DESTINATION (SUM of 'G' to 'N')									
R	TOTAL OF ALL AIR BLOWER = Rs									

NOTES:

1. PLEASE USE ADDITIONAL SHEETS IF NECESSARY
2. FURNISH FURTHER BREAK UP OF PRICE, IF NECESSARY

SIGNATURE OF THE TENDERER WITH SEAL

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ANNEXURE-I

TECHNICAL SPECIFICATION OF THE ESP AIR BLOWER WITH MOTOR

SR. NO.	TECHNICAL SPECIFICATION	BIDDER CONFIRMATION	
		CONFIRM	NOT CONFIRM
1	FAN		
	a) TYPE (IMPELLER TYPE) : CENTRIFUGAL DESIGN, CURVED BACKWARD TYPE		
	b) FLOW : 20000 M ³ /HR		
	c) BLOWER FAN SPEED : AS PER DESIGN		
	d) STATIC PRESSURE : 7000 PASCAL		
	e) MOTOR RATING (MIN) : 46.5 KW		
	f) FLUID DENSITY AT INLET : 1.2 KG/CM ³ AT 20 DEG "C"		
	OUTLET ORIENTATION OF THE ESP AIR BLOWER SHALL BE "CLOCKWISE TOP HORIZONTAL CW90"		
2	MOTOR WITH STARTER 415 VOLT 3 PHASE, 50 HZ AC & TEFC (TOTALLY ENCLOSED FAN COOLED) WITH STAR-DELTA STARTING, HORIZONTAL FOOT MOUNTED MOTOR AS PER IS: 325 SUITABLE TO DRIVE THE ABOVE BLOWER. PROTECTION AGAINST OVER VOLTAGE & OVER HEATING		
3	<u>SCOPE OF SUPPLY: THE SUPPLY SCOPE FOR THE VENDOR SHALL COVER THE FOLLOWING-</u>		
	a) BLOWER		
	b) MOTOR		
	c) BASE FRAME		
	d) COUPLING		
	e) FOUNDATION BOLT		
	f) SUITABLE CAPACITY STARTER		
	g) MANUALLY OPERATED DAMPER AT SUCTION SIDE OF BLOWER		
4	SUPPLY, INSTALLATION & ON-SITE COMMISSIONING AT BHEL SITE OFFICE		
5	<u>DOCUMENTS REQUIRED FOR DISPATCH:</u>		
	VENDOR SHALL SUBMIT THEIR 'QUALITY PLAN' FOR APPROVAL OF BHEL WITH THE TECHNICAL BID. INSPECTION SHALL BE CARRIED OUT BY BHEL AT SUPPLIERS WORKS AS PER APPROVED QUALITY PLAN SUBMITTED BY THE VENDOR.		
6	<u>CERTIFICATION ABOUT THE FOLLOWING IS REQUIRED DURING INSPECTION</u>		
	a) BLOWER CALIBRATION & FLOW TEST		
	b) MACHINE NEWNESS		
	c) MOTOR TEST CERTIFICATE (TYPE TEST & ROUTINE TEST)		
	d) NDT (ULTRASONIC FLAW DETECTION /RADIOGRAPHY) FOR FABRICATED PORTION		
	e) CHEMICAL TEST CERTIFICATE FOR IMPELLER SECTIONS		
7	<u>DOCUMENTS REQUIRED DURING DESPATCH:</u>		
	a) O&M MANUALS (2 SETS- ONE FOR HQR AND ONE FOR SITE)		
	b) GUARANTEE - 12 MONTH FROM THE DATE OF COMMISSIONING		
	c) NEWNESS & FITMENT GUARANTEE CERTIFICATE FOR SPARES.		

ANNEXURE-II

SR. NO.	DESTINATION (SITE ADDRESS)	QUANTITY
1	BHEL SITE OFFICE- JPL RAIGARH 4X600 MW JINDAL POWER LTD. OP JINDAL STPP TAMNAR-496107 THA. GHAGHODA DIST: RAIGARH (CG)	2
2	BHEL SITE OFFICE 5X 270 MW NASIK PH-1 PLOT NO. A-1, MIDC MUSALGAON, SINNAR, DIST: NASIK (MAHARASTRA).	1
3	BHEL SITE OFFICE 5X 270 MW AMARAVATI PH-2 PLOT NO. D2, ADDITIONAL INDUSTRIAL AREA, NANDGAONPETH, DISTT: AMRAVATI, MAHARASHTRA MAHARASHTRA- 444 901	1
4	BHEL SITE OFFICE – BADE BHANDAR, RAIGARH KORBA WEST POWER COMPANY LTD. 1X600 MW KWPCCL RAIGARH PROJECT NEAR BADE BHANDAR VILLAGE, DISTT: RAIGARH (CHHATTISGARH)	1
5	BHEL SITE OFFICE 2X600 MW DB POWER DAINIK BHASKAR NEAR VILLAGE BARADARHA, DISTT: JANJGIR – CHAMPA, STATE: CHHATTISGARH	1
6	BHEL SITE OFFICE 1X 600 MW JHABUA POWER LTD.(JPL) AVANTA JHABUA DIST: SEONI ,MADHAYA PRADESH	1
7	BHEL SITE OFFICE – BHAVNAGAR BHAVNAGAR ENERGY COMPANY LIMITED 2X250 MW LIGNITE BASED TPP NEAR VILLAGE PADVA TALUKA:GHOGHA, DISTT: BHAVNAGAR, STATE:GUJARAT	1
8	BHEL-SITE OFFICE JAYPEE NIGRIE SUPER THERMAL POWER PROJECT P.O. NIGRIE DIST:SINGRAULI (MP) 486669	1
9	BHEL- SITE OFFICE 1260 MW VISA POWER LIMITED VILL.-DEORI, P.O.DONGITARAI P.S.-BHUPDEOPUR DIST: RAIGARH (C.G) 496001	1