

**BHARAT HEAVY ELECTRICALS LIMITED**

CORPORATE RESEARCH &amp; DEVELOPMENT DIVISION

VIKASNAGAR, HYDERABAD - 500 093, INDIA

PHONES: 23774494 (EXCHANGE)

DIRECT: 23882104/23882204/

23778474/23776772

FAX : 91 40 23770698

RD:DP:MPX:F-04

**ENQUIRY**

To

-

Enquiry No: Enq Date: Due Date: Delivery By:

350790521 18-JAN-08 19-FEB-08

-

PLEASE SUBMIT YOUR QUOTATION IN SEALED COVER SUPERSCRIBED WITH ENQUIRY NO, ENQUIRY DATE AND DUE DATE SUBJECT TO OUR TERMS AND CONDITIONS ENCLOSED, FOR THE FOLLOWING MATERIALS SO AS TO REACH US ON OR BEFORE THE DUE DATE BY 12 NOON. THE TENDERS WILL BE OPENED AT 2 PM ON THE SAME DAY

Pin

Email :

Attn. .

PLEASE GIVE REFERENCE OF ENQ NUMBER , ENQ .DATE AND DUE DATE IN ALL YOUR CORRESPONDENCE FOR PROMPT ACTION. IN CASE IF YOU ARE NOT MAKING THE OFFER PLEASE POST A REGRET LETTER AND RETURN THE DOCUMENTS.

SL NO	DESCRIPTION / SPECIFICATION	UNIT	QTY
1	"VERTICAL STORAGE AND RETRIEVAL SYSTEM" (VSRS) WITH JOGGING FEATURE AND RELATED ACCESSORIES, COMPALYING WITH DETAILED SPECIFICATION NO. PS: HVE:07:002. ENCLOSED	SET	1

Note: Please submit your offer in two parts as per the enclosed annexure "aa" in separate sealed covers as detailed below:

1) First cover shall contain the following:

A) Technical commercial bid along with compliance statement, mentioning applicable duties, taxes etc., and delivery time clearly, (terms, conditions and compliance form enclosed)

B) A copy of the price bid without the prices (unpriced price bid)

2) Second cover containing price bid

3) If the price bid is found to be different from the unpriced price bid in any way, your offer will be rejected

4) Guarantee Certificate : Required

5) Manufacturer's Test Certificate : Required

6) Erection & Commissioning : Required

7) Accessories : Required

8) Spares & Special Tools : Required

Important: Taxes & duties quoted by you will be taken for cost evaluation and order placement and no change will be entertained later except in the case of changes made by the government. Changes in taxes and duties because of the changes in turnover etc also will be to the supplier's account. In case no tax/duty is included, a self declaration for the exemption may be attached along with the offer.


AS WE ARE ENGAGED IN R&D ACTIVITY "C" FORM  
WILL NOT BE ISSUED

Yours faithfully  
for

PLEASE FILL UP THE ENCLOSED VENDOR REGISTRATION FORM AND SEND IT ALONG WITH YOUR QUOTATION. OTHERWISE YOUR QUOTATION WILL NOT BE CONSIDERED. (IGNORE THIS IF YOU

BHARAT HEAVY ELECTRICALS LTD

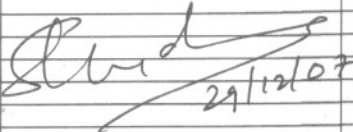
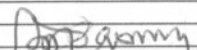



KAKKAR PK  
Sr Manager

 <b>BHARAT HEAVY ELECTRICALS LTD.</b> CORPORATE R&D DIVISION VIKAS NAGAR, HYDERABAD-500093 (INDIA)	Enquiry No. :		
	Date :		28/12/2007
			Spec. No.: PSHVE:07:002
<b>PURCHASE SECTION</b>		<b>TECHNICAL SECTION</b>	
<b>PHONE:</b> 0091 40 2377 8474 <b>Fax :</b> 0091 40 2377 6320 <b>Contact:</b> Mr. P.K. Kakkar <b>E-mail:</b> pkkakkar@bhelrnd.co.in		<b>PHONE:</b> 0091 40 2388 2434 0091 40 2377 3654 (Fax) <b>Contact:</b> Mr. R N Parmar/ SDGM HVE <b>E-mail:</b> parmar@bhelrnd.co.in	
<b>SPECIFICATION CUM COMPLIANCE CERTIFICATION FOR VERTICAL STORAGE &amp; RETRIEVAL SYSTEM</b>			
<b>Important Notes:</b>			
1. Vendor must submit complete information against clause no. 17 (Qualification Requirements). The offer meeting this clause would only be processed.			
2. The offer and all documents enclosed with offer should be in <b>English language only</b> .			
3. BHEL reserves the right to verify the information submitted by the vendor. <b>Any information found false / incorrect, the offer shall be rejected.</b>			
4. Vendor shall sign and stamp all sheets/ pages.			
<b>ADDRESS OF THE OEM:</b>		<b>ADDRESS OF THE INDIAN AGENT :</b>	
<b>TELEPHONE NOS.:</b>		<b>TELEPHONE NOS.:</b>	
<b>FAX NOS.:</b>		<b>FAX NOS.:</b>	
<b>CONTACT PERSON:</b>		<b>CONTACT PERSON:</b>	
<b>www/ E-MAIL ADDRESS :</b>		<b>www/ E-MAIL ADDRESS :</b>	
<b>SCOPE:</b> Supply and commissioning of a "VERTICAL STORAGE & RETRIEVAL SYSTEM" with jogging feature and related accessories, (VSRS), complying with detailed specifications as given below;			
<b>Quantity:</b>		<b>ONE (1) Set</b>	
<b>Serial No.</b>	<b>DESCRIPTION OF REQUIREMENT</b>	<b>DESIRED TECH. SPECIFICATION (TO BE CONFIRMED BY VENDOR)</b>	<b>OFFERED</b>
			<b>DEVIATIONS (IF ANY, ELSE PRINT NONE)</b>
			<b>REMARKS</b>
1.0	System with two columns on rear and front sides with extractor at the centre.	Main structure	
1.1	System with (2 No.) hand pulled trolley for carrying items from the system to the work place and back. (Optional)	Load, transport	
1.2	<b>Intended Use:</b> To store components vertically at the front and rear side of the unit. The Microprocessor controlled Extractor brings the desired tray to the ergonomically suitable access opening or back to the vacant storage place.	To automatically store and retrieve components vertically	
1.3	Extractor to moves up & down in between front & rear sides of stored trays functioning with both horizontal & vertical movements to store or retrieve desired tray.	Movement of one tray at a time	
1.4	Horizontal and vertical movements necessary to store or retrieve desired tray. Extractor having soft start and variable frequency controller for speed and smooth movement. Extractor suspension system to move without vibrations and distortion with heavy loads. Extractor system provided with precise positioning system at high speed. Extractor should move smoothly with load imbalance. It should not tilt with uneven load.	Details of extractor controller	

Serial No.	DESCRIPTION OF REQUIREMENT	DESIRED TECH. SPECIFICATION (TO BE CONFIRMED BY VENDOR)	OFFERED	DEVIATIONS (IF ANY, ELSE PRINT NONE)	REMARKS
2.0	<b>SPECIFICATIONS :</b>				
2.1	Base area , (with in 10% tolerance) Width x Depth	~ 2.5 m x 3.0 m			
2.2	Total Storage Capacity - Expandable in future	> 20 tonnes			
2.3	Minimum Height - Expandable	6 m			
2.4	Width (Approx)	2.5 m			
2.5	Depth (Approx)	3.0 m			
2.6	Largest Component Size, Dia x Height	680 mm x 200 mm			
2.7	Approx Tray Size: Width x Depth x Height	1500 x 750 x 300 mm			
2.8	Tray Loading	500 Kg +/- 10 %			
2.9	Material: Tray projection-welded pitch profiles and flexible pitches on side walls	Galvanized Steel / Powder coated steel			
2.10	Access Opening/ working height	About 900 mm			
2.11	Access time	60 seconds or lower			
2.12	Safety Shutter Door Mechanism	Required			
2.13	Automatic Shutter Door Mechanism in place of manual door.	Desirable			
2.14	Manual Access through Service Doors with locking facility	Required			
2.15	Computer interface with standard port	Required			
2.16	Control Hardware - PLC of standard make	Required			
2.17	Software - Stored in EPROM of PLC/Microprocessor	Required			
2.18	Other Hardware - Sensor, Relay and PC Interface for Commands & Feedback	Required			
2.19	Match Codes search for Articles.	Desirable			
2.20	Working Light at Access Port to be provided	Vendor to specify			
2.21	Drive - AC Motor with Controller with standard make, speed to be confirmed by supplier.	Vendor to confirm			
2.22	Type of outer casing	Vendor to specify			
3.0	<b>OTHER FEATURES:</b>	Desirable			
3.1	In case of power failure, the Extractor will remain at its position and will not free fall to the Access Opening even when loaded.	Required			
3.2	After power resumption, the Extractor will resume operation and complete the task that was interrupted.	Required			
3.3	Jogging feature to be provided for manual operation in case of control system failure	Desirable option			
3.4	Provision of Bin Inventory details (status of bin inventory)	Vendor to confirm			
3.5	Inventory to include weight stored in each tray (Optional) Every bin will be provided with load cells or other sensor to indicate the payload weight.	Vendor to confirm			
3.6	Frequency Regulated Drives	Vendor to confirm			
3.7	Self controlled Light Barrier for operator's safety at Access point & supervision of Protruding Articles	Vendor to confirm			
3.8	Toothed Belt / Chain Drive mechanism for Accuracy, Life Expectancy & Safety	Vendor to confirm			
3.9	Low Noise, Durable Transmission Components, Non-slip in the event of Emergency Stop, Safety Factor upto 10, Emerg. Switch	< 65 dB			
3.10	Environment friendly	Vendor to confirm			
3.11	System allocates the space suitable for component height. Automatic & accurate positioning of trays. Multiple pitches for variety.	Vendor to confirm			
3.12	Access code management : The Unit & Trays with pass word protection, preventing unauthorized access.	Vendor to confirm			
3.13	Provision for further updates for automation with inventory	Vendor to confirm			
3.14	Access : Entry at a height of 900 mm , height of components upto 300 mm with sensor for height measurement.	Vendor to confirm			
3.15	Total Storage trays, expandable in future	> 40 trays			

Serial No.	DESCRIPTION OF REQUIREMENT	DESIRED TECH. SPECIFICATION (TO BE CONFIRMED BY VENDOR)	OFFERED	DEVIATIONS (IF ANY, ELSE PRINT NONE)	REMARKS
3.16	Smart effective Microprocessor inventory management Controller with control , user-friendly key board at ergonomic position.	Vendor to confirm			
3.17	Interface with serial/USB ports for PC, Printer, Bar Code and Batch Reader etc.	Vendor to confirm			
3.18	Controller to be of mechanically robust design as well as with electromagnetic & electrostatic compatibility for trouble free operation in the HV environment (Optional).	Vendor to confirm			
3.19	Man-machine interface with high degree of operating comfort.	Vendor to confirm			
3.20	Precise positioning and optimal storage by Controller. Soft start and soft stop characteristics.	Vendor to confirm			
3.21	Redundancy system for uninterrupted functioning in case of electronic part failure etc.	Vendor to confirm			
3.22	In case of light barrier failure, lift should run with closed doors. Height Detection System will prompt and the operator can work.	Vendor to confirm			
3.23	Takes over by Second Positioning System, Second Proximity Switch, Second Limit Switch. In case of Shelf Memory failure, give the prompt and continue to work without changing the height of article. In case of Positioning Sensor failure at the drive, second Positioning Sensor should take over. (Optional)	Vendor to specify			
3.24	Storage Memory for Articles, Automatic deletion of storage places, if amount is zero, Match Code to Search Article.	Vendor to confirm			
3.25	Locating Empty storage by Controller	Vendor to confirm			
3.26	Low noise operation, less than 65 dB	Vendor to confirm			
4.0	<b>POWER SOURCE</b>				
4.1	Electric System (415V, 4 Wire System), designed to take power supply fluctuations upto +/- 10% from rated supply.	415V, 3-Phase, 50 Hz			
4.2	KVA Rating, lower kVA preferred, Maxm < 10kVA	Vendor to specify			
4.3	Battery back-up for PLC	Vendor to confirm			
5.0	<b>CONTROLS:</b>				
5.1	Automatic computer controlled system with Microprocessor Controller with Control Key Board fixed at Movable Arm	Vendor to confirm			
5.2	With option for jogging feature to control with manual operation in case of failure of control system	Vendor to confirm			
5.3	Computer Interface with standard Port. Extractor Unit to be supplied with PLC & other Electrical, Electronic Hardwares like Relay, Contactors , MCBs etc. The PLC to be provided with Controlled Battery back-up.	Vendor to confirm			
6.0	<b>AMBIENT CONDITIONS &amp; THERMAL STABILITY :</b>				
6.1	Total machine including all supplied items should work trouble free and efficiently under following operating conditions and should give specified performance				
6.2	Ambient Conditions:	5 - 50 °C			
6.3	Relative Humidity	95% max			
7.0	<b>OPTIONAL ACCESSORIES:</b>				
7.1	With technical offer the vendor shall submit a list of the optional accessories available.				

Serial No.	DESCRIPTION OF REQUIREMENT	DESIRED TECH. SPECIFICATION (TO BE CONFIRMED BY VENDOR)	OFFERED	DEVIATIONS (IF ANY, ELSE PRINT NONE)	REMARKS
8.0	<b>DOCUMENTATION :</b>				
8.1	Three sets of following documents (Hard Copies ) in English should be supplied along with the machine.	Vendor to confirm			
8.2	Operating manuals of Automatic vertical storage suystem and related Accessories.	Vendor to confirm			
8.3	Detailed Maintenance manual of system with all drawings of machine assemblies/sub assemblies/parts including Electrical circuit diagrams. All Assembly / Sub Assembly Drawings shall also be supplied with the part list also.	Vendor to confirm			
8.4	Maintenance ,interface and commissioning manuals for VSRS	Vendor to confirm			
8.5	Catalogues of all bought out items including drawings where ever applicable.	Vendor to confirm			
8.6	Complete Master List of parts used in the machine shall be supplied by the vendor.	Vendor to confirm			
8.7	One additional set of all above documentation on CD ROM, where ever applicable	Vendor to confirm			
9.0	<b>DEMONSTRATION :</b>				
9.1	Commissioning spares, required for the commissioning of machine within stipulated time shall be brought by supplier on the returnable basis.	Vendor to confirm			
9.2	Charges, if any, duration and terms and conditions for commissioning and demonstration should be furnished in detail separately by the vendor along with the offer. <b>The offers shall be evaluated including commissioning charges.</b>	Vendor to confirm			
9.3	Tests/Activities to be performed by vendor on the machine before dispatch and at the time of commissioning	Vendor to confirm			
9.4	Demonstration of all features of the machine, control system and the accessories	Vendor to confirm			
10.0	<b>TRAINING:</b>				
10.1	<b>BHEL staff to be trained for acquaintance on operation and maintenance of supplied BHEL equipment at site, persons shall be trained for minimum 3-5 days period in area of use of all VSRS features, operating instructions, warnings and precautions, location and functions of control instrumentation, lift capacity, lift stability interlocks, any required maintenance, operating limitations, any unique or potentially hazardous condition which could affect safe operation, supplied Accessories, etc.</b>	Included/ charged			
10.2	Competent English speaking experts shall be <b>deputed</b> by the vendor during the training for satisfactory and effective training of BHEL personnel.	Vendor to confirm			
10.3	Training at free of cost	Vendor to confirm			
11.0	<b>SPARES AND SERVICE</b> : Two year trouble free maintenance spares to be supplied along with main equipment. List of back up spares for additional two year shall be provided.	Required			
12.0	<b>SAFETY DEVICES</b> : Equipment has to be provided with suitable safety and protection devices, stability from tripping. Warning light if safety interlock is not secured. It should confirm to safety regulations as applicable.	Required			
13.0	<b>PACKING</b> : Rigid packing for all items of complete equipment, all accessories and other supplied items to avoid any loss / damage in transit. When machine is dispatched in containers, all small lose items shall be suitably packed in boxes.	Vendor to confirm			

Serial No.	DESCRIPTION OF REQUIREMENT	DESIRED TECH. SPECIFICATION TO BE CONFIRMED BY VENDOR)	OFFERED	DEVIATIONS (IF ANY, ELSE PRINT NONE)	REMARKS
14.0	<b>GUARANTEE</b> : 18 months from date of delivery / 12 months from the date of acceptance of equipment.	Vendor to confirm			
14.1	Erection & Commissioning at free of cost	Desirable			
14.2	Periodic Maintenance till Warranty period	Required			
15.0	<b>QUALITY STANDARDS:</b>				
15.1	System design should comply with international standards	Vendor to confirm			
15.2	Drive - AC Motor with Controller	To Relevant International Standards			
15.3	Gear Box Unit - Standard make		<b>S. VINAYA KUMAR</b>		
15.4	Electrical & Electronic Components		<b>ADDL. GENERAL MANAGER</b>		
16.0	<b>GENERAL</b> : The vendor must supply the following information along with the offer :	Vendor to confirm	(GSG/35)		
16.1	Machine Model No.	Vendor to confirm	<b>BHEL R&amp;D, HYD-93</b>		
16.2	Total Connected Load (KVA).	Vendor to confirm			
16.3	Floor Area Required (Length, width ,height) for complete machine and accessories.	Vendor to confirm			
16.4	Painting of Machine / Electric panels.	Vendor to confirm			
16.5	Total weight of machine.	Vendor to confirm	<b>आर. एन. परमार</b>		
16.6	Weight of heaviest part of machine	Vendor	<b>R. N. Parmar</b>		
16.7	Weight of heaviest assembly/ sub-assembly of machine.	Vendor	<b>चरिष्ट उप महाप्रबंधक (एच.वी.ई)</b>		
16.8	Dimensions of largest part/ sub-assembly/ assembly of machine	Vendor	<b>Sr. Dy. General Manager (HVE)</b>		
16.9	Vendor to supply, along with the offer , reference list of customers where similar machines have been supplied, mentioning broad specifications of supplied machines.	Vendor			
16.10	Detailed catalogue, sketch / photographs of the machine and accessories / attachments should be submitted with the offer, Hard and soft copy	Vendor to confirm			
16.11	Standards complied to be specified.	Vendor to confirm	<b>एस.वी.एन. जितिन सुंदर</b>		
17.0	<b>QUALIFICATION REQUIREMENTS</b> : Manufacturers should have supplied similar equipments for last 5 years, out of which a few at least in India. Such machines must be working satisfactorily for more than one year after commissioning ( on the date of opening of the tender). A letter of reference shall be attached along with the offer . The following information should be submitted by the vendor about the companies where similar machines have been supplied. This is required from all the vendors for qualification of their offer.	Vendor to confirm	<b>अपर महा प्रबंधक (पी.ई.एस.)</b> <b>S.V.N. JITHIN SUNDAR</b> <b>Addl. General Manager (AES)</b>		
17.1	Name of the customer / company where similar machine is installed in India	Vendor to confirm			
17.2	Month and year of commissioning.	Vendor to confirm			
17.3	Application for which machine is supplied (Optional).	Vendor to confirm			
17.4	Name and designation of contact person of the customer. (Optional)	Vendor to confirm			
17.5	Phone, Fax and e-mail address of contact person of the customer (optional)	Vendor to confirm	<b>(S. BISWAS)</b> <b>AGM (TWA)</b>		
17.6	Performance certificate from the customer regarding satisfactory performance of the machine supplied to them in original (optional )	Vendor to confirm			
18.0	<b>SERVICING FACILITY</b> : Vendor shall provide proof and details of servicing base facility, spare parts availability, etc. in India/Asia.	Desirable		<b>DR. M. MOHANA RAO</b> <b>DY. MANAGER (GSG)</b> <b>BHEL R&amp;D, HYD.</b>	





## BHARAT HEAVY ELECTRICALS LIMITED

CORPORATE R&D DIVISION, VIKAS NAGAR, HYDERABAD – 500 093, AP, India

Ph: 0091-40 – 23778474, FAX: 0091-40 – 23770698

### General Terms and Conditions of Enquiry & Contract for the Purchase of Goods/ Services

1. The quotation and any order resulting from this enquiry shall be governed by these General Terms and Conditions of enquiry and contract for the supply of goods and the supplier quoting against this enquiry shall, unless specifically stipulates any different terms or conditions, be deemed to have read and agreed to the same.
2. Sealed quotations in double cover with tenderer's distinctive seal, superscribing enquiry number, date and due date are to be submitted so as to reach on or before due date & time, addressed to **Additional General Manager(MM), Bharat Heavy Electricals Limited, Corporate Research & Development Division, Vikasnagar, Hyderabad, Andhra Pradesh, India – PIN-500 093, India.**

In the case of **Two-part bid**, each inner cover shall clearly be labeled as a) **Technical & Commercial Bid** containing technical data/ drawings/ catalogues/ quality plans along with commercial terms and conditions & copy of the price bid with the price columns left blank (unpriced price bid), b) **Price bid** containing prices quotes. Installation and/or Commissioning charges shall be spelt out in absolutely lucid terms, taking into account total charges, rather than quoting vaguely, such as charges per man-day or charges per engineer per day etc. **If the price bid was found later to be different from the unpriced price bid in any way, the offer will be rejected summarily.**

3. **Tender/ Technical bid Opening:** Unless specified otherwise, tenders/ technical bids will be opened on appointed date and time as mentioned in the enquiry or as communicated changed date/time, if any, in the presence of such of those tenderers who may be present.
4. **Delayed/ Late Tender:** Tenders, which have been posted by registered post through the postal department in time before opening date but received after tender opening, shall be treated as regular tenders. Other tenders received after tender opening time shall be treated as late tenders and normally they may be rejected.
5. The Quotation should be free from overwriting and erasures. Corrections and additions, if any, must be attested. Supplier should indicate in the quotation dimensions (Size), weight, rate etc., in the metric system unless the enquiry calls for different unit.
6. **Validity of Quotation:** All quotations shall be kept open for acceptance for a period of ninety days from the date of opening of Tenders/ Technical bid and this shall be deemed to be an express condition of all quotations. The rate shall be quoted in both figures and in words.
7. In the case of Two-part bid, the vendor should furnish technical clarifications, if any, within stipulated time mentioned, failing which, it will be construed that the vendor is not interested in the tender and BHEL shall not consider the offer for further evaluation.
8. **Revision of Pricebid:** In the event of any bidder, after finalizing the technical specifications and scope of supply, opting to revise and submit their latest price bid, then BHEL reserves the right to open their original / previous price bid also while evaluating revised bid.
9. **Pricebid Opening:** Unless specified otherwise in the enquiry, the Price bids of technically qualified vendors shall be opened with prior intimation in the presence of such of those tenderers who may be present.
10. **Conformity to Specifications:** The material should be of the best quality and shall be conforming to our specification given in our enquiry. Unless otherwise agreed upon by BHEL, no payment shall be due by BHEL in respect of any sample. Offers without details of specifications/ applicable catalogues will not be considered and are liable to be rejected.
11. **Terms of Delivery:** All suppliers shall quote the lowest prices on ex-works and FOB/FCA basis. Foreign suppliers will also indicate their Indian agent's name and address with percentage of agency commission out of the quoted price, if any. Name and Address of the supplier's Bankers address should also be given. Indian suppliers for the indigenously manufactured/ imported stock shall quote on Ex-works /Free-on-Rail/Road /FOR-destination basis, indicating packing & forwarding charges, if any, separately.
12. **Taxes and Duties:** Unless specified otherwise in the enquiry, BHEL do not provide "C" or "D" Form as it is engaged in R&D. All Indian suppliers shall clearly mention Sales Tax/ VAT, Excise Duty, and Service Tax etc, if any, payable in addition to the quoted price and indicate applicable rates/ percentage, item-wise. It will be paid

only if Registration Number under State(TIN)/ Central Sales Tax or Service Tax is specifically mentioned in the Bill/Invoice. Vendors without a Sales Tax/VAT registration and applicable Service Tax registration will not be considered.

13. **Insurance:** Insurance will be arranged by BHEL in case of Ex-Works as well as FOB basis supplies.
14. **Terms of Payment:** Full payment will be made within 30 days after receipt, inspection and acceptance of the material (and where involved, Erection and commissioning of the material/ equipment at BHEL/Destination) by Crossed cheque and no Bank commission charges are admissible. The Cheque will be sent by registered post and BHEL is in no way responsible if loss occurs due to delay by postal authorities and cheques falling into improper hands or through forgery or fraud. Suppliers having RBI-SEFT-enabled accounts can seek payment through Electronic Fund transfer. For foreign suppliers, the preferred payment term will be on Sight Draft basis and bank charges inside India will be to BHEL account and outside India will be to supplier's account.
15. Suppliers shall quote competitive price and best delivery for all the items mentioned in the enquiry. BHEL reserves the right to reject partial quotations and to place order on overall landed cost basis. Correct date of effecting supplies in the event of an order should be indicated in the offer. If the supplier's quoted terms are different from BHEL standard payment terms, interest @10.5% per annum (or as indicated in the enquiry) will be loaded to the quoted prices for difference of payment period.
16. **Packing:** The supplier shall be responsible for the goods being properly and adequately packed so as to prevent any loss, damage or deterioration during transit and indicate packing charges, if any, separately.
17. **Part/ Split Ordering:** BHEL reserves right to Order part of the item/ quantity of the enquiry and split the order among qualified vendors.
18. In case the goods enquired are on Rate Contract basis with any other unit of BHEL, such fact should be clearly indicated in the quotation giving full particulars of Rate Contract number, validity and price and also your willingness to comply with order if placed against such Rate Contract. A true copy of Rate contract signed by the supplier should be sent with the quotation.
19. **Inspection:** On receipt, the goods shall be subjected to inspection and also test, if necessary, and our decision regarding the acceptability of the goods shall be final and binding on the suppliers.
20. **Consequences of Failure To Deliver:** The time stipulated for delivery of goods shall be deemed to be the essence of the contract and delivery must be completed within the stipulated date/s. In the event of supplier's failure to supply the goods by the stipulated date/s, BHEL shall be entitled to levy a penalty of ½% per week for the delayed no of weeks or part thereof for the undelivered portion of PO subject to a maximum of 10% total order value.
21. **Withdrawal from the Contract:** In case the supplier withdraws the quotation after its acceptance by BHEL or fails to supply the goods as per the terms and conditions of contract, or at any time repudiated the contract wholly or in part, BHEL shall be at liberty to cancel the Purchase Order and to recover from the supplier the extra cost and other loss incidental to the breach of contract on the part of the supplier.
22. **Guarantee/ Warranty certificate and Manufacturer's Test report:** Invariably in all cases where it is so stipulated, the supplier should furnish Guarantee/ Warranty certificate valid for a period of 18 months from date of supply or 1 year from the date of receipt, acceptance and commissioning(or more, if provide by oem) whichever earlier and manufacturer's Test report along with the goods, failing which, BHEL shall have the right to reject the goods.
23. All ferrous/ non-ferrous items shall be colour coded as per bureau of Indian standards/ or IS standards/ BHEL Standards.
24. **Recovery of Dues:** BHEL shall recover any amount due from the supplier or any amount outstanding to the credit of the supplier with BHEL R&D unit or any other BHEL unit(s) and/or by legal action.
25. **Arbitration & Forum for Legal Proceedings:** All disputes arising in connection with indigenous/ foreign supplies shall be settled through arbitration held at Hyderabad, AP, India and arbitration shall be appointed by Arbitration Tribunal of the Federation of Andhra Pradesh Chambers of Commerce and Industry, Hyderabad, AP, India. The Courts at Secunderabad/ Hyderabad, AP, India shall have jurisdiction in respect of any suit or other legal proceeding arising from or relating to this contract

The rights and remedies of BHEL stated in these General terms and conditions shall be in addition and supplemental to its rights and remedies under law and custom or usage of trade or business and shall in no way be deemed to limit, curtail, supercede or derogate from its said rights and remedies.





**ANNEXURE “AA**  
**BHARAT HEAVY ELECTRICALS LIMITED**  
**CORPORATE RESEARCH & DEVELOPMENT DIVISION**  
**VIKASNAGAR, HYDERABAD – 500 093. INDIA**

**MATERIALS MANAGEMENT DEPARTMENT**  
**(Information for Technical & Commercial bids with general terms)**

**ENCLOSURE TO ENQ No:**

**DATE:**

- a) Please indicate( \_/ ) for applicable or ( X ) for not applicable against each clause of the enquiry
- b) Vendor shall confirm their compliance for applicable clauses ( \_/ ) in their offer without deviation.

**1) Technical offer:-**

- a) Vendors to confirm compliance to all points of specifications, attached if any. Deviations if any should be specified in the offer.
- b) Vendors shall furnish relevant technical Documents / Catalogues. Drawings and Quality plan duly taking care of Purchase Specification and Quality requirements along with their offer in duplicate for Purchaser’s review / Verification.

**2) Two Part Bid:-**

Vendor shall submit their offer in 2 parts.

**2.1 Technical Bid:-** Containing relevant technical data, drawings, catalogues, Quality Plan etc, along with Commercial Terms and Conditions and a copy of the price bid with the price columns left blank (unpriced price bid). If the price bid was found later to be different from the unpriced price bid in any way, the offer will be rejected.

**2.2 Price Bid:-** Containing the Price(s) quoted. Installation and or commissioning charges shall be spelt out in absolutely lucid terms taking into account the total charges rather than quoting vaguely such as charges as per man day or charges per Engineer per day etc.,

Technical bids will be opened on the due date of the enquiry or any other date fixed by BHEL. Further, vendor should furnish clarifications, if any, required within seven days after the same is sought by Purchaser. If no clarifications/reply received within 7 days, it will be construed that vendor is not interested in the tender and Purchaser will finalise tender accordingly. Price bids received on due date along with technical offers will be recorded and opened subsequently with due intimation to vendors after finalising of technical scope of supply.

These bids shall be submitted in separate sealed covers superscribing the nature of the offer (technical bid or price bid). BHEL Enq No. Due date etc.

**Note: In case of non-compliance with the TWO\_-PART-BID ie.. clause number 2 and subclauses 2.1 and 2.2. Purchaser reserves the right to summarily reject all such offers.**

**3) Delivery:-**

**Vendor shall confirm supply of materials as per the delivery schedule indicated in the enquiry.**

**4) Negotiations:-**

**Vendor shall quote competitive price and best delivery to avoid negotiations.**

**5) Commercial Terms & Conditions:-**

**Terms of Delivery:**

- a) **Vendors shall clearly indicate terms of delivery Viz: Ex-Works/FOR Despatching station/FOR Despatching station FOR Destination/FOB port of loading/FAS Port of loading in their offer. If the terms of delivery is Ex-Works, then vendors shall clearly indicate the following:**
  - 1. Packing and forwarding charges.**
  - 2. Documentation / Handling charges if any**
  - 3. FOB FAS charges (Inland Freight & Insurance charges from vendor works to port of Loading).**
- b) **All Indian Vendors shall clearly specify the Excise Duty in percentage applicable for their supplies. Offers containing expressions such as “Extra as applicable” or “As applicable at the time of Delivery” will be summarily rejected.**
- c) **CST/Local Sales Tax in percentage shall be clearly indicated.**

**6) Validity of Quotation:-**

**Validity of offer should be 90 days after the opening of price bid.**

**7) Part or split ordering:-**

**Purchaser reserves the right to order part of item / quantity of the enquiry.**

**8) For clauses not mentioned in this document see the enclosed “GENERAL TERMS AND CONDITIONS OF ENQUIRY AND CONTRACT FOR THE PURCHASE OF GOODS”**

- 9) In case your terms of payment are different from our standard payment terms, interest at the rate of 10.5% per annum (or BHEL’s standard rate of interest) will be loaded to your prices for the difference of period of payment.**



**BHARAT HEAVY ELECTRICALS LIMITED**  
**CORPORATE R&D Division**  
**Vikasnagar, Hyderabad – 500093, India.**

**Suppliers' compliance statement to basic conditions of enquiry**

**(In case Order to be placed on Indian supplier in Indian currency)**

<b>Condition</b>	<b>BHEL R&amp; D's terms</b>	<b>Supplier's compliance</b> (indicate Yes/No. if 'No', state terms desired)
1) Validity of offer	90 days from the tender opening date	
2) Delivery requirements	Free delivery at our stores or FOR destination (as indicated in the enquiry)	
3) Warranty	Unless specifically mentioned in the enquiry, all supplied items to be provided with warrantee for one year (or more, if provided by the OEM) from the date of acceptance/commissioning. In case of equipment involving erection and commissioning, warrantee shall be for 18 months from the date of dispatch or 12 months from the date of commissioning, whichever is earlier	
4) Terms of payment	Full payment will be made within thirty days after receipt, inspection and acceptance of the material at BHEL R&D (and where involved, erection and commissioning of the material/equipment at BHEL/destination), by Crossed Cheque and no Bank commission charges are admissible.	
5) Taxes & Duties	Unless specifically mentioned in the enquiry, we do not provide 'C' or 'D' form. Supplier to specify rates of taxes and duties element wise and related percentages.	
6) Penalty for late delivery	0.5% per week beyond the delivery date as mentioned in the Purchase order on undelivered portion subject to a maximum of 10% of the total order value	

\* BHEL R&D reserves the right to reject any offer due to non-compliance with the above conditions and/or non-receipt of this form in duly filled condition

\* Any other elements of cost in addition to the above may please be specified in detail

**(Signature and Stamp/Seal of Vendor)**



**BHARAT HEAVY ELECTRICALS LIMITED**  
**CORPORATE R&D Division**  
**Vikasnagar, Hyderabad – 500093.**

**IMPORTED**

**Suppliers' compliance statement to basic conditions of enquiry**

**(In case Order to be placed on the Principal and foreign currency)**

<b>Condition</b>	<b>BHEL R&amp;D's terms</b>	<b>Supplier's compliance</b> <b>(indicate Yes/No. if 'No', state terms desired)</b>
01) Validity of offer	90 days from the tender opening date ( or as per enquiry)	
02) Delivery requirements	FCA – Nearest International Airport (or as indicated in the enquiry)	
03) Warranty	Unless specifically mentioned in the enquiry, all supplied items to be provided with warrantee for one year (or more, if provided by the OEM) from the date of acceptance/ commissioning. In case of equipment involving erection and commissioning, warrantee shall be for 18 months from the date of dispatch or 12 months from the date of commissioning, whichever is earlier	
04) Terms of payment	Sight draft. All bank charges inside India will be to BHEL R&D account and out side India will be to suppliers account. Documents through State Bank of India, HAL Complex, Balanagar, Hyderabad, AP, India-500 042.	
05) Agency commission	Pl specify percentage charges, if any. Indian agency/agent commission will be in Indian Currency only.	
06) Erection/ Commission	As per enquiry	
07) Documentation	As per enquiry	
08) Insurance	BHEL will arrange Insurance based on intimation to our Insurance agency, United India Insurance Co., DO-2, Secunderabad, AP, India.	
09) Penalty for late delivery	0.5% per week beyond the delivery date as mentioned in the Purchase order on undelivered portion subject to a maximum of 10% of the total order value	

\* BHEL R&D reserves the right to reject any offer due to non-compliance with the above conditions and/or non-receipt of this form in duly filled condition

\* Any other elements of cost in addition to the above may please be specified in detail

**(Signature and Stamp/ Seal of Vendor)**



BHARAT HEAVY ELECTRICALS LTD.  
Corp. R&D DIVISION  
VIKAS NAGAR,  
HYDERABAD-500 093 (INDIA)

## VENDOR REGISTRATION FORM

[FORM TO BE SUBMITTED\* BY THE BIDDER ALONG WITH TECHNICAL-BID]

Before filling please refer to instructions on page-4

### 1.0 VENDOR PROFILE:

1.1 & 1.2 Name and address of the vender:

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Phone Nos.:

Fax No.:

Email:

1.4 Local representative of the vender in India/ Hyderabad:

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Phone Nos.:

Fax No.:

Email:

Contact person:

Mobile No.:

2.0 & 2.1 Type of Organisation:

PROPRIETORSHIP	COMPANY	SISTER CONCERN	ANY OTHER (Please specify)
PARTNERSHIP	CORPORATION	Small Scale Industry	

3.0 Annual Turn Over:

Name and address of the Banker:

Sr.No.	Bank	Address

4.0 REGISTRATION PARTICULARS

4.1 IT Permanent Account No.(PAN):

4.2 & 4.3 State and central sales tax Registration No.:

4.4 ED/ Service Tax Registration No.:

PF Account No.:

Labour Licence No.:

ESI Account No.:

5.2 Contact person:

Mobile No. :

5.3 Total Number of employees:

Graduates (Engr./Scientists/Mgmt/Fin.)	Consultants	Workers		
		Sup./Skilled	Semiskilled	Unskilled

6.0 Wish to register for supplies/ services other than one bidding for :

<u>Sr.No.</u>	<u>Service/Supplies</u>	<u>Capacity</u>
<u>1</u>		
<u>2</u>		
<u>3</u>		
<u>4</u>		
<u>5</u>		
<u>6</u>		
<u>7</u>		

6.1 Reference list :

(Only recognized public and private sector companies, attach if printed copy available)

<u>Sr.No.</u>	<u>Customer</u>	<u>Volume / Year</u>
<u>1</u>		
<u>2</u>		
<u>3</u>		
<u>4</u>		
<u>5</u>		
<u>6</u>		
<u>7</u>		

7.0 & 8.0 Infrastructure / facilities :

<u>Sr.No.</u>	<u>Facility (with specifications)</u>	<u>Age/ Year procured</u>
<u>1</u>		
<u>2</u>		
<u>3</u>		
<u>4</u>		
<u>5</u>		
<u>6</u>		
<u>7</u>		
<u>8</u>		
<u>9</u>		
<u>10</u>		

9.0 Registration with other BHEL Unit/Units:

<u>Sr.No.</u>	<u>9.1.1 Unit</u>	<u>9.1.2 Registration No.</u>
<u>1</u>		
<u>2</u>		
<u>3</u>		
<u>4</u>		



Any Other information :

Declaration:

The information furnished above is true and authentic.

**(CEO / Proprietor)**

**SEAL:**

**Date:**

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The competent authority reserves the right to accept or reject the registration. Registered vendors will be informed by mail / email, as convenient. Contact Sr.DGM (MM) for clarification/ additional information on registration.  
A separate communication will be sent to you in case of non-registration, citing reasons thereof.

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### **Instructions**

1. Answer all items, use NA for items not applicable.
2. BHEL units do not require this registration.
3. Submit the form in duplicate.
4. Use additional sheets for want of space if required.
5. Attach copies of latest documents in respect of items 4.0 (Registration no.s)
6. Photographs of registered office and the chief executive/proprietor shall be furnished.
7. Use A4 sheets for this document and the enclosures.

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\* REGISTERED BIDDERS, HAVING BHEL (R&D) REGISTRATION NO./ HAVE SUBMITTED THIS FORMAT EARLIER, NEED NOT FURNISH THIS INFORMATION SECOND TIME (UNLESS DESIRE TO UPDATE IT).



**BHEL CORPORATE R & D**  
**VIKAS NAGAR- HYDERABAD - 500 093**  
**ANDHRA PRADESH – INDIA**  
**SUPPLIER REGISTRATION FORM**

(FOREIGN SUPPLIER)

ALL COLUMNS SHOULD BE PROPERLY FILLED IN THE SPACE PROVIDED FOR. WHEREVER IT IS NOT APPLICABLE PLEASE WRITE “NOT APPLICABLE”. INCOMPLETE OR INCORRECT FORMS MAY NOT BE CONSIDERED.

**1.0 GENERAL INFORMATION:**

1.1....NAME OF COMPANY

1.2....DETAILS OF HEAD OFFICE:

ADDRESS :  
TELEPHONE :  
FAX :  
.EMAIL :  
.WEB SITE :

1.3....DETAILS OF FACTORY/WORKS:

ADDRESS :  
TELEPHONE :  
FAX :  
.EMAIL :  
.WEB SITE :

1.4....DETAILS OF MARKETING AGENT

ADDRESS :  
TELEPHONE :  
.FAX :  
.EMAIL :  
.WEB SITE :

1.5 CHIEF EXECUTIVE

NOTE: PLEASE ATTACH SEPARATE SHEETS, IF SPACE FOUND IS INADEQUATE

AUTHORISED SIGNATORY

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**BHEL CORPORATE R & D**  
**VIKAS NAGAR – HYDERABAD – 500 093**  
**ANDHRA PRADESH – INDIA**

**SUPPLIER REGISTRATION FORM**

(FOREIGN SUPPLIER)

- 1.6 CONTACT PERSON(S)  
FOR PRODUCT OFFERED  
NAME(S)  
OFFICIAL CAPACITY  
ADDRESS:  
TELEPHONE  
FAX  
E-MAIL
- 1.7 YEAR OF ESTABLISHMENT
- 1.8 PRODUCTION CAPACITY PER ANNUM
- 1.9 PARTICULARS OF PRODUCT INCLUDING  
SPECIFICATION AND RANGE OFFERED  
FOR REGISTRATION  
( ATTACH BROCHERS AND CATALOGUE)
- 1.10 NAME(S) OF BANKERS
- 1.11 BANKER’S CERTIFICATE
- 1.12 PORT OF LOADING
- 1.13 NEAREST AIRPORT
- 1.14 NAME OF THE INDIAN AGENT, IF ANY  
WITH AUTHORISATION LETTER
- 1.15 ANY OTHER INFORMATION:

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AUTHORISED SIGNATORY

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**BHEL CORPORATE R & D**  
**VIKAS NAGAR – HYDERABAD – 500 093**  
**ANDHRA PRADESH – INDIA**

**SUPPLIER REGISTRATION FORM**

(FOREIGN SUPPLIER)

**2.0 FINANCIAL INFORMATION**

2.1...TOTAL CAPACITY

2.2...ANNUAL TURN OVER FOR LAST 3 YEARS

2.3...WHEHER CREDIT LICENSE ACCEPTABLE      YES/NO

**3.0    QUALITY MANAGEMENT SYSTEMS**  
**ENCLOSED FORMAT PART-B**

3.1    EXPERIENCE LIST FOR SAME/SIMILAR ITEMS  
TO BE ENCLOSED

**4.0.....FUTURE EXPANSION PLANS:**  
(GIVE DETAILS)

**5.0    LIST OF ENCLOSURES:**  
INCLUDING BROUCHERS, CATALOGUES, TECHNICAL  
LITERATURE etc...

**6.0    ANY OTHER INFORMATION**

SIGNATURE OF SUPPLIER  
NAME  
DESIGNATION  
DATE  
.....OFFICIAL SEAL

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AUTHORISED SIGNATORY

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