

**BHARAT HEAVY ELECTRICALS LIMITED**CORPORATE RESEARCH & DEVELOPMENT DIVISION
VIKASNAGAR, HYDERABAD - 500 093, INDIA

PHONES: 23774494 (EXCHANGE)

DIRECT: 23882104/23882204/

23778474/23776772

FAX : 91 40 23770698

ENQUIRY

To

-

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

500690171 18-JUL-06 19-AUG-06 30-NOV-06

-

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

3D PARTICLE IMAGE VELOCIMETRY SYSTEM (PIV)
AS PER ENCLOSED SPECIFICATIONS (SPEC-PIV-A).

NO.

1

NOTE: PLEASE SUBMIT YOUR OFFER IN TWO PARTS AS PER THE ENCLOSED ANNEXURE
"AA" IN SEPERATE SEALED COVERS AS DETAILED BELOW :

1) FIRST COVER CONTAINING TECHNICAL COMMERCIAL AND UNPRICED PRICE BID ALONG
WITH COMPLIANCE STATEMENT, MENTIONING APPLICABLE DUTIES, TAXES ETC., AND
DELIVERY TIME CLEARLY.(TERMS,CONDITIONS AND COMPLIANCE FORM ENCLOSED)

2) SECOND COVER CONTAINING PRICE BID

3) COMBINED BID OFFERS WILL BE REJECTED SUMMARILY.

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

Yours faithfully
for

BHARAT HEAVY ELECTRICALS LTD

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
HAVE ALREADY SUBMITTED THIS FORM)

PK Kakkar
Manager

Email: pkkakkar@bhelrnd.co.in

SPEC_PIV_A: Specification of 3D – PIV system

The following description covers the specification for 3D Particle Image Velocimetry System (PIV) to be procured for Turbomachinery Laboratory.

- 1.0 The PIV system components and their specifications are detailed in 'Table_PIV_A' enclosed with this write-up. The vendor must submit the detailed specifications for the items quoted in the vendor compliance column.
- 2.0 **The available power supply shall have a variation of $\pm 10\%$ in voltage and $\pm 5\%$ in frequency. The vendor shall ensure that the stabilizer / inverter (sl. No.2 of the specification) shall cater to this input power supply variation and provide a regulated power supply suitable for various items covered in this specification.**
- 3.0 Compliance in the vendor column must be indicated in the following manner.
 - a) The vendors shall give their offered specifications in col. No.4 of 'Table_PIV_A' for all the points. They may elaborate the specifications.
 - b) In case of ambiguity, the vendor shall indicate the supply position that they propose to offer.
 - c) In case of over compliance or non-compliance, the specific over rating or shortfall to be clearly mentioned.
 - d) If the offered specifications are not in line with the requirement of BHEL, the vendor may justify the same with details. Quotation submitted without explanation regarding compliance/deviation will not be considered for technical evaluation.
 - e) Quotation must include the relevant technical catalogue or brochures for all the offered items (Sl. No. 1 to 10 of 'Table_PIV_A') indicating the model number, and other technical details. The information given in the brochures shall match with the specifications shown in col. 4 of 'Table_PIV_A'. Reason for deviation, if any to be detailed out.
- 4.0 Vendor to attach a schematic drawing of the proposed PIV arrangement with the items included for the supply. The drawing shall show the legend of the items 1 to 10 given in the 'Table_PIV_A'.
- 5.0 The PIV system shall be deployed for 3D flow investigations in the following test rigs
 - 1) Wake flow & vortex flow studies at 2D cascade Tunnel, annular cascade tunnel
 - 2) Impeller, Diffuser and Return channel flow studies in high speed and low speed compressor test rigs.
 - 3) Unsteady flow measurements in the above test rigs.
- 6.0 The test rigs in which the flow investigations will be carried out are situated in an open hall. It is not possible to create A/C environment and dark room facility for the complete PIV system including the test rig. Constraints of the operation in such a situation and localised protection requirements if any shall be indicated in the quotation.

- 7.0 The tender is to be submitted as a two part bid, part A-Technical bid, Part B-Price bid. The technical evaluation of the bids may necessitate a visit to an existing installation where such systems have been supplied by the vendor. In such a case the supplier shall obtain necessary approval for the visit of BHEL Technical team to these installations.
- 8.0 The Vendor shall indicate the necessary spares for smooth operation for a period of two years. The cost of spares may be indicated separately. The indenter shall have choice of placement of order for spares.
- 9.0 The Vendor must provide cost break up of all the items as per specification list in the price bid.
- 10.0 The Vendor shall indicate specifically the optional items, if any which shall enhance the performance of system. Such items shall be quoted separately under the caption 'optional' and the prices indicated exclusively.
- 11.0
- a) Vendor with servicing facility in India shall be given preference, all other conditions remaining same during technical evaluation
 - b) Vendor with multiple installation in India shall be given preference, all other condition remaining same during the technical evaluation.

Technical specification - Particle Image Velocimetry System- 'Table_PIV_A'			
Sl. No(1)	Description (2)	Requirement (3)	Vendor's offered Specifications (4)
1	Laser:		
	Type	Dual Nd YAG	
	Wave length	532 nm	
	Energy	120mJ/pulse	
	Pulse rate	15Hz	
	Input Voltage and frequency	220V 50 Hz	
	Beam diameter	4.5 - 6 mm	
	Beam divergence	< 4 mrad	
	Laser controls	Provision for control through software. Details to be indicated by vendor regarding Q switch delay, internal / external trigger and pulse timing control	
	Make and Model No.	To be indicated by vendor	
2	Constant Voltage Constant Frequency Power Supply (Inverter)	Principal of Operation: Instantaneous Sine Wave Control Rating: 2KVA Input Voltage: 230V (+10%, -15%) Frequency: 50Hz (± 3 Hz) Output Voltage: 230V(± 1%) Frequency: 50 Hz ±0.1% No. of output sockets (3 Pin) with regulated power : Six	
	3	Base, Mounts, other accessories:	
	Laser mounts	Heavy breadboard and/or Tripod to mount laser head and optics.	
	Camera mount	Traversing mechanism of standard size with facility for adjustment in X,Y and Z directions.	
	Alignment kit	Suitable kit to be specified by vendor	
	Cables	The desktop PC and the synchroinser will be located in a control room at a distance of 20 m from the laser head and camera. Laser power supply can be located near to the laser head within 2-m distance. Vendor to quote suitable type of cables / arrangement with repeater stations or system hub such that timing data and image information is not lost.	
4	Beam Delivery & Light Sheet Optics		
	Length of light arm	1.8 meters, 360 degree rotation at each knuckle	
	Mounting arrangement	Sturdy base to mount on the bread board or tripod with suitable sealing for laser head connection	
	Laser light sheet optics	With appropriate lens mounts to allow quick and easy change	
	• Spherical lenses	Focal length = 200, 500, 1000 mm	
	• Cylindrical lenses	Focal length = -50, -25, -15 mm equivalent to divergence angles of 6.5, 14 and 25 ° respectively.	

	Light sheet thickness	Vendor to supply considering the application as indicated in point no. 4 of Spec_PIV_A. Justification to be provided by the vendor.	
5	Synchronization with Computer Controlled Synchronizer	Acting as the master controller for system components, it automates control of the timing between laser pulses, camera, camera interfaces, and any external device during system set-up and image acquisition	
	Time resolution	1 ns (synchronization between camera and laser)	
	Triggering channels	Input and output	
	No. of input & Output channels	Vendor to specify	
	External Trigger	TTL	
	Communication to computer	Vendor to specify	
	Operating voltage	240 V, 50 Hz.	
	Model Number	Vendor to specify	
6a	CCD Cameras (2 Nos.)	Designed for stereo PIV application short frame-straddling time of 200ns or less	
	Sensor type	low noise Digital CCD	
	Pixel size	7.4 μm x 7.4 μm	
	Dynamic range	12 bit	
	Pixel resolution	2048 x 2048	
	Frames / sec at full resolution	14 at least	
	Max. quantum efficiency	Vendor to specify	
	Make and Model Number	Vendor to specify	
	Protective features for laser light reflections	Vendor to specify	
	Other features	<ul style="list-style-type: none"> Indicator lights on camera to clearly show the status, operating mode and other important aspects of camera operation. Suitable cables for interconnection to be provided by vendor 	
6b	Camera Interface		
	Interface Card	64-bit Cameralink	
	small and compact size	Vendor to specify details	
6c	Camera Lenses		
	Focal length	Nikon 28mm / F 2.8 camera lens	
	Lens mounting	Vendor to specify	
	Working length	0.22 m to infinity	
	Camera control interface port	Vendor to specify	

7	Stereo PIV Assembly kit		
	Calibration target	Dual Plane/Dual sided (DPDS) stereo, which does not require traversing and facilitates camera set-up in either side, forward, or backward scatter light collection. 200 x 200 mm size	
	assembling base, brackets, camera mounts	Vendor to specify	
	stereo Scheimpflug mounts	to allow adjustment of the <i>Scheimpflug</i> angle without affecting the field of view	
	alignment tool kit	Vendor to specify	
8	System Control, Data Analysis, Display Software	For online capture, analysis and display of flow field variables	
	<ul style="list-style-type: none"> • Software with License for Image acquisition and processing, Control of all hardware components • Macro-programming language for flexible programming of individual routines and software dialogues • Hardware device Manager for an easy hardware managing • Comfortable software dialogues for image calibration. distortion/filter and image statistics • Standard connections for traversing units and stepper motors • Software dialogue tools (overlays, masks, X-Y plots) • Extended import / export features: .bmp, .jpg, .pif, .tif, tecplot, .dat, .txt, .ps • Integrated AVI movie generator • Standard interfaces (.dll) for MATLAB and LABVIEW • 2D PIV software module for evaluation of flow field according to cross or auto correlation method • High resolution PIV second order correlation • Window deformation techniques • Flexible acquisition menus • Online data analysis • Vector field calculations • Advanced post processing • Averaged vector field in separate windows • 3-D Image acquisition and evaluation of 3D flow fields including self calibration routines • Tecplot and Matlab software with License and interface for PIV software 	Vendor to specify	

9	Computer and peripherals		
	a) Desktop Computer Processor RAM HDD Number of PCI slots USB Port Memory Stick Mouse Floppy Disc Drive CD RW Drive DVD RW Drive Monitor Operating System b) Additional provision of Laptop for data Capture from PIV when installed at site Processor RAM HDD USB Port Floppy Disc Drive LAN Card Ethernet Card CD RW / DVD RW Drive Internal Modem Internal stereo speakers Monitor Operating System c) Printer d) Software integration	<ul style="list-style-type: none"> Intel Dual Xeon 2.8 GHz with cache memory 2.0 GB RAM, 160GB 64-bit, 4 No. 8 No. 4 No. 2.0 GB each. Wireless, optical (Microsoft or equivalent) 3.5" floppy drive, One No. One No. 17-Inch TFT Flat Panel Color Monitor Windows Professional XP operating system, PIV system software integration and testing <ul style="list-style-type: none"> Intel Pentium M 1.5 GHz with cache memory 2.0 GB RAM, 80 GB 4 No. 3.5" floppy drive, 802.11b/g Integrated 10/100 fast ethernet 24X - 1 No. 56K to be included Ultrasharp wide screen TFT display 1280 x 800 display resolution Windows Professional XP operating system HP Color Laser Jet 3500 Printer PIV system software integration and testing	
10	Particle Generator:	to produce controlled aerosol concentrations for PIV gas flow applications	
	Type of particles	Liquid and solid	
	Particle size	Mean dia 0.3 micron	
	Particle concentration	>10 ⁷ / cu.cm	
	No. of jets	Vendor to specify	
	Air Pressure	Vendor to specify	
	Capacity of reservoir	Vendor to specify	
	Other features	Remote control of seed density through computer	

11	System Integration		
	System Integration Service	at site by PIV system manufacturer. The vendor shall provide all technical support to integrate and demonstrate the system on one of the test-facilities to be identified by BHEL in Turbomachinery Laboratory as part of commissioning activity	
12	Training at Factory:		
	Training of BHEL personnel at principals works for 2 persons / 1week, excluding travel and boarding expenses	Vendor to indicate. Hands on training in the setting up of the system, software, measurement and data evaluation.	
13	Annual Maintenance Contract:		
	Waranty for the supplied system	Vendor to indicate in months from the date of commissioning	
	AMC for a period of 5 years after warranty period.	AMC to be undertaken by the authorized distributor of the PIV manufacturer. The offer may be in Indian Rupees and given in price bid.	
14	Vendor Capability:		
	Number of systems installed in India.	Vendor to indicate with addresses	
	Availability of after sales service in India	Vendor to indicate details of facilities / expertise. Factory trained engineer should be available in India for local product support.	
15	Delivery Period	10 weeks from the date of placement of order.	



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 specification attached at ‘A’ 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.

Suppliers' compliance statement to basic conditions of enquiry

Condition	BHEL R& D's terms	Supplier's compliance (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	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	100 % within 30 days of receipt, inspection and acceptance (and where involved, erection and commissioning) of the material/equipment at our stores/destination	
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 elementwise 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



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)

Condition	BHEL R& D's terms	Supplier's compliance (indicate Yes/No. if 'No', state terms desired)
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 (INDIAN SUPPLIER)

Before filling please refer to instructions on page-4

1.0 VENDOR PROFILE:

1.1 & 1.2 Name and address of the vender:

Phone Nos.:

Fax No.:

Email:

1.4 Local representative of the vender in India/ Hyderabad:

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 State tax Registration No.:

4.3 Central sales tax Registration No.:

4.4.1 ED Registration No.:

4.4.2 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 :

<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:

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.

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.

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

BHEL
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

AUTHORISE SIGNATORY

BHEL
SUPPLIER REGISTRATION FORM

(FOREIGN SUPPLIER)

1.6 CONTACT PERSON(S)
FOR PRODUCT OFFERED
NAME(S)
OFFICIAL CPACITY
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 BROUCHERS 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:

AUTHORISE SIGNATORY

**BHEL
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

AUTHORISE SIGNATORY
