


**BHARAT HEAVY ELECTRICALS LIMITED**

 CORPORATE RESEARCH & DEVELOPMENT DIVISION  
 VIKASNAGAR, HYDERABAD - 500 093, INDIA

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**ENQUIRY**

Ref: 991207471

Date 27-12-2012

**Enquiry for Diffused Reflectance Measurement Set-up (DRMS)**


Enquiry No:991207471 Enquiry Date : 27-12-2012 Due Date: 19-01-2013 Indicative Delivery Date : 15-02-2013

Sl.No	Item Description	Unit	Qty
1	Diffused Reflectance Measurement Set-up (DRMS)	NO	2

Please submit your quotation for the above material in sealed cover superscribed with enquiry no, enquiry date and due date subject to our enclosed terms and conditions. The quotations shall reach us on or before the due date by 12 noon. The tenders can also be dropped in the tender box kept at the security gate,BHEL R&D. In case you are not in position to submit the offer,please send reply suitably specifying the reasons.

Sl.No	Description	Document Ref.
01	Enquiry, General Terms & Conditions, Commercial Terms & Conditions etc.	Volume - 1
02	Technical specifications, Scope of Supply etc.	Volume - 2

M Sailaja  
 Dy General Manager  
 sailajam@bhelrnd.co.in

	<b>ENQUIRY &amp; QUALIFYING CRITERIA</b>	Volume - 1 Enquiry No 991207471
Diffused Reflectance Measurement Set-up (DRMS)		

1	Tendor inviting officer / Authority, Designation and Address	Additional General Manager(MM) BHEL R & D, Vikas Nagar (Near Balanagar), Hyderabad -500093
2	Item Description - Qty	1) Diffused Reflectance Measurement Set-up (DRMS) - 2 NO
3	Enquiry Reference no.	991207471
4	Indicative Delivery Date	15-02-2013
5	Due date, Time and place for submission of tender	19-01-2013 upto 12 noon. Sealed Quotations shall be addressed to AGM(MM), BHEL R & D Division, Vikas Nagar (Near Balanagar), Hyderabad AP,India Pin - 500 093 Quotations can also be deposited in the Tender box located at Security Gate of BHEL R & D BHEL shall not be responsible for any postal/courier delay.
6	Place, Date and time of Tech.Bid opening	Tender Opening Cell (Sangam) BHEL R & D Office. 19-01-2013, 2 PM
7	Mode of Submission of Tender	Please submit your offer in one common sealed cover containing two parts in separate sealed covers as detailed below. 1. First cover shall contain: a. Technical & Commercial bid b. Filled in Commercial Compliance Statement (mandatory) c. Copy of price-bid with price(s) cells blank (un-priced price bid) 2. Second cover shall contain price bid.Price bid containing price quotes ,installation and /or commissioning charges shall be spelt out clearly 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 format in any way,the offer will be rejected summarily.The rates shall be quoted both in figures and in words.


	<b>GENERAL TERMS &amp; CONDITIONS (GTC)</b>	Volume - 1 Enquiry No 991207471
Diffused Reflectance Measurement Set-up (DRMS)		

SL.No.	Clause	BHEL REQUIREMENT
1	General	<p>a. All offers must include name of the contact person, phone no/mobile no, Fax no, email-id. Unsigned offers are liable for rejection.</p> <p>b. We, BHEL R&amp;D, is registered with Department of Scientific and Industrial Research (DSIR) for the purpose of availing Customs Duty exemption in terms of Government Notification no.24/2007-Customs dated 01-Mar-2007 &amp; Central Excise Duty Exemption in terms of Government Notification No. 16/2007-Central Excise dated 01-Mar-2007 as amended from time to time. Hence suppliers are requested to submit their bids clearly stating applicable taxes/duties.</p> <p>c. Taxes &amp; Duties quoted will be taken for cost evaluation &amp; order placement and no change will be entertained later except in the case of changes made by the government. In case any Taxes/ Duties exempted, a self declaration for the same may be attached to the offer. Changes in taxes and duties because of the changes in turn over etc will be to supplier's account.</p> <p>d. Where ever vendor registration form and EFT details have been submitted earlier, the same need not be submitted again unless there is a change.</p> <p>e. BHEL R&amp;D do not issue 'C' form .</p>
2	Foreign Suppliers	<p>BHEL will deal directly with foreign vendors, where ever required, for procurement of goods.However, if the foreign principal desires to avail of services of an Indian agent,then foreign principle should ensure compliance to regulatory guidelines which require mandatory submission of agency agreement containing agency commission.</p> <p>Any supplier(Agents/distributors/representatives) desires of quoting imported goods/services,they should submit the quote in foreign currency along with agency agreement copy,failing which their offer is liable for rejection.In case of non submission of agreement copy,the pricipal should submit quotation to BHEL directly.Foreign supplier will also indicate in their offer Indian agent's name,if any, address and percentage of agency commission out of the quoted price.</p> <p>Fully owned Indian Subsidiaries/ditributors of Foreign Companies shall quote in Foreign Currency on FOB basis only.</p>
3	Late Tenders	Tenders received after due date/time(12:00hrs) wil not be considered
		(a) If, in the price structure quoted for the required goods/ Services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser

4	Discrepancy in words and figures	<p>there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.</p> <p>(b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and</p> <p>(c). If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above.</p> <p>(d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.</p>
5	Two Part bid clarifications	<p>In the case of Two-part bid, the vendor should furnish technical and commercial 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.</p>
6	Price Impacts	<p>In the event of any bidder, after finalizing the technical specifications and scope of supply, opting to revise their original bid, they have to submit the Price-Impact only. The Original price bid along with Price-Impact bid shall be opened during price bid opening. Unsolicited price impacts will not be considered.</p>
7	Price bid evaluation	<p>All offers in price bid opening or reverse auction shall be evaluated in Indian currency based on unit price, packing &amp; forwarding, taxes/duties, freight charges if any, exchange rate. Loading due to non-acceptance of our standard commercial terms will be evaluated as per the LOADING FACTORS form as enclosed along with the enquiry. The exchange rate declared by State Bank of India under TT Selling rate on the technical bid open date shall be adopted for evaluating foreign currency bids.</p>
8	Packing	<p>The supplier shall be responsible for the goods being properly and adequately packed so as to prevent any loss, damage or deterioration during transit.</p>
9	Withdrawal	<p>In case the supplier withdraws their offer before placement of order, BHEL reserves the right not to send next enquiry(ies). 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, incidentals due to the breach of contract on the part of the supplier through risk purchase.</p>
10	Risk Purchase	<p>In case of default/late delivery, BHEL reserves the right to make alternate arrangement for procurement at suppliers risk and cost.</p>
11	Banned List	<p>The offers of the bidders who are in the banned list and the offers of the bidders who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL</p>

		website www.bhel.com.
12	Reverse Auction	BHEL reserves the right, to procure above items through reverse auction. BHEL reserves the right to reject the offer, in case of suppliers non-acceptance to reverse auction.
13	Over All L1	Order will be placed on overall L1 basis. Vendors should quote for all items, otherwise the offer will be rejected.
14	Additional Information	Suppliers are requested to visit our web site regularly for any updates and additional information, "All corrigenda, addenda, amendments, time extensions clarifications, etc. to the tender will be hosted on BHEL website only". The corrigendum will not be published in news paper.
15	Arbitration	Subject to the jurisdiction of Hyderabad/Secunderabad, Andhra Pradesh, India in respect of any suit or other legal proceedings relating this contract.
16	Inspection	On receipt, the goods shall be subjected to inspection and our decision regarding the acceptability of the goods shall be final and binding on the suppliers.
17	Micro Small Enterprises (MSEs)	In case the supplier belongs to MSEs (Micro Small Enterprises), Registration copy in this respect shall be submitted along with the offer. Further if MSEs are owned by the Scheduled Caste or the Scheduled Tribe entrepreneurs the same may be intimated. The following are the benefits for the MSEs. 1. MSEs are given tender documents free of cost and are exempted from payment of earnest money (EMD). 2. In tender, participating MSEs quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply up to 20% of total tendered value. In case of more than one such MSE, the supply shall be shared proportionately.
18	Destination	Indian Vendors: Destination shall be ASSCP, BHEL, Gurgaon (Near New Delhi), Haryana - 122001. Foreign Vendors: BHEL R.O.D Office, New Delhi, India.

**Signature of the bidder with Seal & Date**

	<b>COMMERCIAL TERMS &amp; CONDITIONS (CTC)</b>	Volume - 1 Enquiry No 991207471
Diffused Reflectance Measurement Set-up (DRMS)		

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Validity of Offer	90 days from date of techno-commercial bid opening.	
2	Rate Contract	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 copy of Rate contract signed by the supplier should be sent with the quotation.	
3	Payment Terms	<p>a) For Indian Offers : BHEL standard payment term is "100% payment along with taxes by EFT/RTGS within 30 days of receipt and acceptance of material at BHEL R&amp;D Stores,Hyderabad". For other payment terms there will be a loading on the offer as mentioned in our "Loading Factors" sheet which is enclosed to this enquiry.</p> <p>b) For Foreign Offers : BHEL standard payment term is "100% Invoice value by wire transfer within 30 days of receipt and acceptance of material at BHEL R&amp;D Stores,Hyderabad". For other payment terms there will be a loading on the offer as mentioned in our "Loading Factors" sheet which is enclosed to this enquiry.All bank charges inside India shall be to BHEL account and outside India shall be to supplier's account.</p>	
4	Freight & Insurance	Insurance will be arranged by BHEL in case of Ex-Works as well as FCA / FOB basis supplies.In such cases ,an amount of 3% towards freight and insurance will be added for cost comparision.	
		Guidelines regarding dealing with	

5	Agency Agreement	<p>indian agents of foreign suppliers</p> <p>1. BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods. However, if the foreign principal desires to avail of services of an indian agent, then the foreign principal should ensure compliance to regulatory guidelines which require mandatory submission of agency agreement.</p> <p>2. IT shall be incumbent on the indian agent and the foreign principal to adhere to the relevant guidelines of government of india, issued from time to time.</p> <p>3. The agency agreement should specify the precise relationship between the foreign oem services to be rendered by agent / associate, whether general in nature or in relation to the particular contract, must clearly stated by the foreign supplier / indian agent. Any payment, which the agent / associate receives in india or abroad from the oem, whether as commission or as a general retainer fee shall be brought out in record in the agreement and be made explicit in order to ensure compliance to the laws of the country.</p> <p>4. Any agency commission to be paid by BHEL to the indian agent shall be indian currency.</p> <p>5. Whenever indian agents are representing on behalf of their principals the relevant authorization letter and agreement copy to be enclosed along with technical bid to consider the offer.</p>	
6	Delivery Date	<p>Suppliers are requested to quote for the delivery period mentioned in the enquiry. However suppliers can quote best possible delivery, in case it is not possible to meet the delivery requirement of BHEL. However BHEL reserves the right to reject the offer before price bid opening in case of not meeting the delivery requirements of BHEL.</p>	
		<p>The prices shall be firm for entire period of contract.</p> <p>The suppliers shall indicate packing and forwarding charges, if</p>	

7	Price basis	<p>any,seperately. All foreign suppliers shall quote the lowest prices on 'FCA-Nearest International Airport' basis.An amount of 3% on basic value towards freight and insurance will be added for cost comparision.</p> <p>All Indian suppliers shall quote the lowest prices on 'free delivery at BHEL ASSCP,Gurgaon(Near New Delhi),Haryana-122001. or FOR destination'basis.In case of Ex-Works,an amount of 3% on basic value towards freight and insurance will be added for cost comparision.</p>	<p>a. For Destination</p> <p>b. Ex-Works</p>
<p><b>Note :</b> All the clauses of the above format should be filled and submitted with the Techno Commercial Bid (Part-1). The filled in BHEL Commercial terms &amp; Conditions format submitted with technical bid, responding to all the clauses duly signed with seal <b>only shall be considered</b>. Any other Commercial terms &amp; conditions of bidders entered else where in their offer shall not be considered and are liable for rejection.</p>			

**Signature of the bidder with Seal & Date**

	<b>ITEM SPECIFICATIONS</b>	Volume - 2 Enquiry NO 991207471
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Diffused Reflectance Measurement Set-up (DRMS)

SL.No.	Item		
1	<b>Diffused Reflectance Measurement Set-up (DRMS)</b>		
sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
1	Diffused Reflectance Measurement setup (DRMS)	Detailed specifications attached as Annexure 1 in Other Documents.	
	A new design has been conceived to measure the diffused reflected light from the surface of the silicon wafers for optimising a few processes for solar cells application. This design consists of a metallic housing to house a light source, collimator and some electronic controls for automation.	The specifications have been divided into two sections, namely: Section i: Hardware components Section ii: Automation	
		Detailed specifications of Hardware (HW) required for Diffused Reflectance Setup The HW consists of a metallic housing which accommodates light source, a collimator and an arrangement to place the Si wafer precisely at a specified location. The details are given below: 1. The sketch of the enclosure is shown in Fig 1. 2. The enclosure should be made of MS sheet of thickness 1.5 mm with powder coating of grey shades from outside and dark black mat finish from inside. 3. A drawer has to be provided at the bottom of the enclosure to move the wafer table in and out with a facility to place the wafer on a	

Section i: Hardware components

flat jig to position the Si wafers exactly in the centre of the enclosure when the drawer is closed. The design of the jig will be such that the Si wafer remains at least 25 cm above the bottom of the drawer. 4. The drawer has to move on very high quality telescopic rails to enable almost 100 % movement of the drawer when pulled out. A limit switch has to be integrated to confirm electronically that the drawer is closed or open. 5. The edges of the drawer have to be very precisely designed not to allow any leakage of ambient light into the enclosure. 6. The Si wafer placed on the bottom jig will be illuminated with a strong collimated beam of light and in order to avoid any dispersion of reflected light, a truncated pyramidal box needs to be inserted as shown in the sketch (Fig 2). 7. For efficient collection of diffused reflected light from the Si wafer, the truncated pyramidal (TP) reflector box, will have with mirrors pasted on inside walls. This TP reflector will have smaller opening exactly equal to the size of Si wafer and the bigger opening will accommodate all the detectors. The number of detectors may vary from four to eight depending on the accuracy requirement. 8. The enclosure should

		<p>have levelling screws so that it can be placed on a table and levelled. A spirit level may be integrated in the enclosure for levelling purpose. 9. The enclosure will have strong (50 W or 100 W) halogen light source with a collimator and a barrel to ensure that the collimated light beam falls at right angle on the Si wafer. 10. The vendor has to prepare a detailed engineering drawing of the set-up and finalise after due consultation with the engineer in-charge of BHEL.</p>	
	<p>List of items in the scope of supply of the vendor (for two sets) for Section i Hardware componemts</p>	<p>S. No. Item Quantity  1. Powder coated MS enclosure with drawer Qty 1x2sets=2  2. Truncated pyramidical reflector for 5" sq and 6" sq size Si wafers Qty 2x2sets=4  3. Halogen light sources (Bulbs with reflector) 50W (4 pieces) and 100W 4 pieces Qty 8x2sets=16  4. Collimating lens arrangement with facility to move barrels to adjust the position of lens w r t light source. Qty 1x 2sets =2  5. SMPS for the light source Qty 2x 2sets =4  6. Spirit level with levelling screws Qty 1x2sets  7. Arrangement to fix eight detectors on a plate which in turn has to be suspended from the top of the enclosure with a facility to adjust the height of the detector plate from outside. The detectors are not in the scope of supply of the vendor</p>	

		<p>and will be provided by BHEL. Qty 1x2sets 8. O&amp;M Manual Qty 2 No. 9. Warranty 1 year 10. Installation &amp; commissioning at BHEL-ASSCP, Gurgaon.</p>	
	<p>Section ii: Automation Detailed specifications of Automation</p>	<p>This system (DRMS) will be required for measuring the intensity of the diffused reflected light from the silicon wafer under inspection. The automation will control the operation of the system in the following sequence: 1. The system will be put ON by pushing a hard switch on the Box panel. 2. The system will initialise and the User Login screen will be launched in which provision of selection of user is there (Administrator or operator). 3. After logging in with the operator login ID and password, the main user interface will be displayed. It should have four window options namely 1. Model, 2. Teach, 3. Production, 4. Report. 4. In the Model window, user will have to select the predesigned model (Created in teach window) which has to be run for testing of samples. 5. After selection of model, user will have to go in Production window to start the test. 6. Drawer (as shown in fig 1) will be opened manually and “Drawer is open” should be displayed on screen. 7. Silicon wafer will be placed manually</p>	

	<p>(including Software (SW) and associated components) required for Diffused Reflectance Measurement System (DRMS)</p>	<p>in the place assigned and the presence of wafer will be confirmed on the user interface screen with the help of a sensor inside the drawer. 8. Drawer will be closed manually and the screen will display “Drawer is closed “. 9. System will check the presence of wafer, locking of drawer, lamp is ON and then display the message “System is Ready for Inspection”. 10. With a single push on the “Start Test” button on the Display, test will start and record the value from ampere meter with sample number and display the value on the screen. It will also Display PASS/FAIL message with Audio depending on the value settings entered in teach window. 11. For every Test, data will be recorded with the model no. and sample details. 12. For another test, open the drawer manually and repeat the steps from 6 to 10. 13. On the Report Window these test reports can be viewed in tabular or graphical form with selection of models/sample numbers and dates details with user or operator details who conducted the test. 14. On the Teach window, user can enter all the settings and values required for testing of samples.</p>	
		<p>S.No. Item Specification Quantity 1. Touch Screen Display 15 inches</p>	

	<p>List of items in the scope of supply of the vendor (for two sets) For Section ii Automation</p>	<p>colour, Capacitive type, Touch Screen Qty 1x2sets=2 2 Controller (Industrial PC) Intel core 2 duo 2.2 Ghz; 2 GB RAM, 320 GB Hard Disk. Qty 1x2sets=2 3. Provision for Display &amp; controller Mounting Should be incorporated in the setup such that it is a single table mount equipment. Qty 1x2sets=2 4 Software As per Software detail/description Qty 1x2sets=2 5 Current Meter 6½-digit resolution Max Current 0 to 1A Maximum Current Range Sensitivity 1 µA Qty 1x2sets=2 6 Miscellaneous electronic items required for the proper operation of the set-up such as relay cards, proximity sensors, limit switches. Qty 1x2sets=2 7 Required Wiring for sensors and limit switches. Qty 1x2sets=2 8 O&amp;M Manual Qty 2 9 Warranty 1 year 10 Installation &amp; Commissioning at BHEL-ASSCP, Gurgaon</p>	
		<p>Please read the acceptance criteria for the commissioning of the software at ASSCP, BHEL Gurgaon carefully. These are very important and the commissioning of the set-up will be evaluated by committee of experts from BHEL 1. The vendor will have to demonstrate the flawless operation of the drawer for placing the Si wafers of 5" sq 6" sq</p>	

Acceptance criteria	<p>on the jig with an accuracy of <math>\pm 1\text{mm}</math> 2. Uniformity of the collimated light within <math>\pm 5\%</math> will have to be demonstrated over the area of the spot (Diameter of 125mm or 156mm). 3. The enclosure will be tested for zero leakage of ambient light from outside. 4. Flawless operation of the software and its incorporation in the Diffused reflectance setup hardware as per the sequence given above. 5. Graphical display of complete Diffused Reflectance Setup showing Light Source status (ON/OFF), process steps and all process parameters on HMI screen.</p>	
IMPORTANT NOTES	<p>1. The development of this set-up has very special features which are required for measuring very low diffused reflectance accurately and non-destructively on full size Si wafers. The vendors are advised to visit BHEL-ASSCP, Gurgaon for clear understanding the technical requirement before sending their offer. 2. The development of the second set-up may require minor modifications which will depend on the feedback of the development of first set-up. Vendors are advised to give due consideration to this in their offer.</p>	

	Drawings of the Diffused Reflectance Setup	Drawings of the Diffused Reflectance Setup are attached as Annexure 2 in Drawings.	
	E & C	Shall be quoted seperately as optional.	
	Warranty	All supplied items to be provided with warranty for one year from the date of dispatch. In case of items involving erection and commissioning, supplier shall provide warranty for 18 months from date of dispatch or 12 months from erection and commissioning whichever is earlier.	

\* Vendors are advised to write specifications in detail and not to write like 'Complied/ Yes / No ' etc. in specifications.

**Signature of the bidder with Seal & Date**

## LOADING FACTORS



NOTE : IN CASE OF DEVIATION TO BHEL TENDER SPECIFIED TERMS, LOADING FACTOR INDICATED IN FOLLOWING TABLE WILL BE APPLIED TO QUOTED PRICE WHILE EVALUATING THE LOWEST QUOTE ( )

A. FOR INDIGENOUS PURCHASES					
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
A.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL	SAME	NIL
				PAYMENT AGAINST PROFORMA INVOICE / DESPATCH DOCUMENT OR CASH ON DELIVERY (COD) / CASH AGAINST PROOF OF DESPATCH	11% INTEREST ON THE TOTAL PO VALUE FOR ONE MONTH
				ADVANCE PAYMENT WITH BANK GUARANTEE	11% INTEREST ON THE TOTAL VALUE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH
				PART ADVANCE PAYMENT WITH SUPPORTING BANK GUARANTEE AND BALANCE WITH IN 30 DAYS	11% INTEREST ON ADVANCE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH
				PART ADVANCE PAYMENT WITH SUPPORTING BANK GUARANTEE AND BALANCE ON RECEIPT OF MATERIAL	11% INTEREST ON ADVANCE FOR OFFERED DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH AND 11% INTEREST ON BALANCE AMOUNT FOR ONE MONTH
A.2	SUPPLY OF EQUIPMENT INCLUDING E&C	PAYMENT TERMS (THE SUPPLIER MUST SUBMIT A PERFORMANCE BANK GUARANTEE (PBG) FOR 10% OF THE BASIC VALUE OF THE ORDER VALID FOR WARRANTY PERIOD.)	90% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL . BALANCE 10% WITH IN 30 DAYS OF COMPLETION OF E&C AND ON SUBMISSION OF PERFORMANCE BANK GUARANTEE (PBG) FOR 10% OF BASIC PO VALUE.	SAME	NIL
				100% PAYMENT WITH IN 30DAYS AFTER COMPLETION OF SUPPLIES AND ERECTION AND COMMSIONING	NIL PBG WILL NOT BE INSISTED FROM THE SUPPLIER)
				90% PAYMENT AGAINT PROFORMA INVOICE/ DESPATCH DOCUMENT OR CASH ON DELIVERY (COD) / CASH AGAINST DESPATCH AND BALANCE 10% WITH IN 30 DAYS OF E&C	11% INTEREST ON 90% OF THE VALUE OF PO FOR ONE MONTH
				90% PAYMENT AGAINT PROFORMA / DESPATCH DOCUMENT OR CASH ON DESPATCH (COD) / CASH AGAINST DESPATCH AND BALANCE 10% AFTER COMPLETION OF E&C	11% INTEREST ON TOTAL PO VALUE FOR ONE MONTH
				90% ADVANCE PAYMENT WITH BANK GUARANTEE AND BALANCE 10% WITH IN 30 DAYS OF E&C	11% INTEREST ON 90% OF THE TOTAL VALUE FOR DELIVERY PERIOD (ROUNDED OF TO THE NEAREST MONTH) + 1 MONTH
				PART ADVANCE (x%) PAYMENT WITH SUPPORTING BANK GUARANTEE AND (90 - x) % PAYMENT ON RECEIPT OF MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER E&C	11% INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD (ROUNDED OF TO THE NEAREST MONTH)+ 1 MONTH AND 11% INTEREST ON (90-X)% PAYMENT FOR ONE MONTH
				PART ADVANCE (x%) PAYMENT WITH BANK GUARANTEE AND (90 - x) % PAYMENT ON RECEIPT OF MATERIAL AND 10% PAYMENT AFTER E&C	11% INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD (ROUNDED OF TO THE NEAREST MONTH)+ 1 MONTH AND 11% INTEREST ON BALANCE AMOUNT

<b>B. FOR FOREIGN PURCHASES (IMPORTED)</b>					
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
B.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	AGAINST SIGHT DRAFT ON PRESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS (ALL BANK CHARGES INSIDE INDIA TO BHEL ACCOUNT AND OUTSIDE INDIA WILL BE TO THE SUPPLIER'S ACCOUNT)	SAME	NIL
				100% PAYMENT AFTER RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R&D BY WIRE TRANSFER. (DESPATCH DOCUMENTS WILL BE SENT TO BHEL R&D DIRECTLY ALONG WITH BANK DETAILS)	NIL
				LC PAYMENT	11% INTEREST ON THE BASIC VALUE FOR ONE MONTH
				ADVANCE BY WIRE TRANSFER WITH BANK GUARANTEE	11% INTEREST ON THE BASIC VALUE FOR DELIVERY PERIOD + 1 MONTH
B.2	SUPPLY OF EQUIPMENT INCLUDING E&C	PAYMENT TERMS (THE SUPPLIER MUST SUBMIT A PERFORMANCE BANK GUARANTEE (PBG) FOR 10% OF THE BASIC VALUE OF THE ORDER VALID FOR WARRANTY PERIOD.)	90% PAYMENT WILL BE MADE WITH IN 30 DAYS FROM THE DATE OF RECEIPT OF MATERIAL ON ACCEPTANCE AND BALANCE 10% WITH IN 30 DAYS OF COMPLETION OF E&C AND ON SUBMISSION OF PERFORMANCE BANK GUARANTEE FOR 10% OF BASIC VALUE)	SAME	NIL
				LC PAYMENT FOR 90% OF THE ORDER VALUE + 10% AFTER E&C WITH IN 30 DAYS	11% INTEREST ON 90% OF BASIC VALUE FOR ONE MONTH
				90% OF BASIC VALUE AS ADVANCE BY WIRE TRANSFER WITH BANK GUARANTEE AND BALANCE 10% AFTER E&C BY WIRE TRANSFER WITH IN 30 DAYS	11% INTEREST ON 90% OF THE BASIC VALUE FOR DELIVERY PERIOD + 1 MONTH
				x% OF TOTAL VALUE AS ADVANCE PAYMENT WITH BANK GUARANTEE AND BALANCE (I.E. 90-X) AFTER RECEIPT OF MATL BY WIRE TRANSFER AND 10% AFTER COMPLETION OF E&C	11% INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD+ 1 MONTH AND 11% INTEREST ON BALANCE AMOUNT OF 90% OF ORDER VALUE (I.E. 90-X%)
<b>C. PERFORMANCE BANK GUARANTEE, PBG ( COMMON FOR INDIGENOUS AND IMPORTS)</b>					
C.1		PERFORMANCE BANK GUARANTEE	PBG FOR 10% OF THE BASIC PO VALUE SHALL BE FURNISHED IN BHEL PRESCRIBED FORMAT.)	IF NOT AGREED	10% OF THE BASIC MATERIAL COST
<b>D. PENALTY (COMMON FOR INDEGENOUS &amp; IMPORTS)</b>					
D.1		LD CLAUSE	IN THE EVENT OF DELAY IN AGREED CONTRACTUAL DELIVERY, PENALTY OF 0.5% ( HALF PERCENT) PER WEEK BUT LIMITED TO A MAX OF 10% VALUE OF UNDELIVERED PORTION OF BASIC MATERIAL COST WILL BE APPLICABLE	AGREED	NIL
				IF NOT AGREED	10% OF THE BASIC MATL COST
				IF AGREED FOR 5%	5% OF THE BASIC MATERIAL COST
				OTHER THAN THE ABOVE	10% MINUS THE AGREED MAX PERCENTAGE OF THE BASIC MATERIAL COST WILL BE LOADED.

**AUTHORISATION LETTER FOR E-PAYMENT/ NEFT / RTGS**

(PLEASE FILL UP THE FORM COMPLETELY IN CAPITAL LETTERS ON YOUR COMPANY LETTERHEAD ONLY)

Vendor Code (to be filled by BHEL) 

Type of Request (Tick one)	NEW	CHANGE
1 Company Name		
2 Address		
3 City with PIN Code		
4 State		
5 PAN Number		
6 TIN/ VAT No.		
7 CST No.		
8 Service Tax No.		
9 Name of Contact Person		
10 Mobile number		
11 Ph. no. with STD Code		
12 Fax No. with STD Code		
13 Email ID		
14 Website (URL)		

**BANK DETAILS FOR EFT / RTGS**

1	Bank Name	
2	Branch	
3	Branch Code	
4	Branch Address	
5	Branch Phone No	
6	Account No.	
7	Account Type: SB/ Current/ other (Specify)	
8	MICR Code	
9	IFSC Code	

I, as an authorized representative / owner of the above named company, hereby state as under:

1. Enclosed here with a cancelled cheque in support of our company's bank details.
2. Authorize BHEL R&D Hyderabad, to electronically make payments to the designated bank account with bank charges, if any, to our account.
3. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.
4. I hereby certify that the particulars given above are true, complete and correct.
5. This authority remains in full force until BHEL receives and acknowledge written notification requesting change or cancellation.

Date :

Authorised Signatory  
Designation :

COMPANY SEAL



# Bharat Heavy Electricals Limited

Corp. R&D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (INDIA)

RD:MPX:F-13

Ph: 040 - 23772704, Fax: 040 - 23770698, email: mpx@bhelrnd.co.in

## VENDOR REGISTRATION FORM

(Indigenous supplier)

[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 Name and address of the vendor:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone Nos.:

Fax No.:

Email: 1. \_\_\_\_\_ 2. \_\_\_\_\_

1.2 Local representative name & address in Hyderabad/Secundrabad :

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone Nos.:

Fax No.:

Email:

Contact Person:

Mobile No:

### 2.0 TYPE OF ORGANISATION:

PROPRIETORSHIP	Company:	Sister Concern ( mention vendor registration number of main organization)	
Partnership	CORPORATION	Small Scale Industry	ANY OTHER (Please specify)

In case of SSI unit, copy of registration to be enclosed. It is requested that MSME registration certificate to be enclosed

**3.0 ANNUAL TURN OVER:**

#	Year	Turn-Over, Rs.
1	Current Year(budgeted)	
2	Previous year ( 200 - 0 )	
3	Prior Year ( 200 - 0 )	

**4.0 NAME AND ADDRESS OF THE BANKER:**

4.1 Bank Name

4.2 Branch name

4.3 Account number

4.4 Account Type

4.5 MICR Code:

4.6 IFSC Code(RTGS/NEFT):

4.7 Bank Phone number(s),

Blank cheque, duly cancelled, to be enclosed.

Please note that all payments shall be made through Electronic clearance services to your above account against the orders executed, if any.

**5.0 REGISTRATION PARTICULARS**(relevant copies to be enclosed)

5.1 IT Permanent Account No.(PAN):

5.2 State Sales Tax/VAT Registration No:

5.3 Central Sales Tax Registration No:

5.4 ED Registration No:

5.5 Service Tax Registration No:

5.6 PF Account No:

5.7 Labour Licence No:

5.8 ESI Account No:

**6.0 CONTACT PERSON:** S/Sri:

Designation:

Phone / Mobile No:

**7.0 TOTAL NUMBER OF EMPLOYEES:**

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

**8.0 LIST OF PRODUCTS/ SERVICES OFFERED:**

#	Products/ Services	Capacity
1		
2		
3		
4		
5		
6		

**9.0 REFERENCE LIST :**

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

#	Customer	Volume / Year
1		
2		
3		
4		
5		
6		
7		

**10.0 INFRASTRUCTURE / FACILITIES:**

#	Facility (with specifications)	Age/ Year procured
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

**11.0 REGISTRATION WITH OTHER BHEL UNIT/UNITS:**

#	Unit	Registration No	Year
1			
2			
3			
4			

**12.0 ANY OTHER INFORMATION :****DECLARATION:**

The information furnished above is true and authentic.

**(CEO / PROPRIETOR)****SEAL:****DATE:**

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Note:

1. Registered bidders, having BHEL (R&D) registration no. or have submitted this format for registration, need not furnish this information again.
2. The competent authority reserves the right to accept or reject the registration.
3. Vendors approved for registration will be informed by mail / email, as convenient. A separate communication will be sent in case of non-registration also, citing reasons thereof.
4. BHEL reserves the right to take penal action as deemed fit if any of the information provided by the vendor(s) is found to be incorrect.
5. AGM, Head (MM) may be contacted for clarification/additional information on registration.

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Instructions

1. Fill all items. Please mention N.A. for items/ clauses not applicable.
2. Use A4 sheets for this document and the enclosures. Use of additional sheets is permitted if space provided is not adequate.
3. Attach copies of latest documents in respect of items 5.0 (Registration no.s)
4. Photographs of registered office and the chief executive/proprietor shall be furnished.



RD:MPX:F-14

# Bharat Heavy Electricals Limited

Corp. R&D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (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

#### 1.6 CONTACT PERSON(S)

FOR PRODUCT OFFERED

NAME(S) :

OFFICIAL

CPACITY :  
ADDRESS :  
TELEPHONE :  
FAX :  
EMAIL :

1.7 YEAR OF ESTABLISHMENT

1.8 PRODUCTION CAPACITY PER ANNUM

1.9 PARTICULARS OF PRODUCT INCLUDING  
SPECIFICATION AND RANGE OFFERED  
FOR REGISTRTION  
(Attach brouchers and catalogues)

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 AUTHORIZATION LETTER

**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 (Authorized signatory)

NAME :

DESIGNATION :

DATE :

OFFICIAL SEAL

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**Note:**

1. BHEL Reserves the right to take penal action as deemed fit if any of the information provided by the vendor is found to be incorrect.
2. Please attach separate sheets, if space found is inadequate



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## GUIDE LINES REGARDING DEALINGS WITH INDIAN AGENTS OF FOREIGN SUPPLIERS

- i. BHEL shall deal directly with foreign vendors, wherever required, for procurement of goods. However, if the foreign principal desires to avail of the services of an Indian agent, then the foreign principal should ensure compliance to regulatory guidelines - which require mandatory submission of an Agency Agreement.
- ii. It shall be incumbent on the Indian agent and the foreign principal to adhere to the relevant guidelines of Government of India, issued from time to time.
- iii. The Agency Agreement should specify the precise relationship between the foreign OEM / foreign principal and their Indian agent and their mutual interest in the business. All services to be rendered by agent/ associate, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier/ Indian agent. Any payment, which the agent or associate receives in India or abroad from the OEM, whether as commission or as a general retainer fee should be brought on record in the Agreement and be made explicit in order to ensure compliance to laws of the country.
- iv. Any agency commission to be paid by BHEL to the Indian agent shall be in Indian currency only.
- v. Whenever Indian agents are representing on behalf of their principals the relevant authorisation letter and agreement copy to be enclosed along with Technical bid to consider the offer.