



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

PHONES:23774494 (EXT:9804)

FAX : 91 40 23770698

RD:DP:MPX:F-04

## ENQUIRY

Ref: 591206341

Date 11-10-2012

### Enquiry for **GUI Simulation Software Tool Kit**

Enquiry No:591206341 Enquiry Date : 11-10-2012 Due Date: 15-11-2012 Indicative Delivery Date : 31-01-2013

Sl.No	Item Description	Unit	Qty
1	SIMULATION SOFTWARE TOOL KIT	NO	1

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

Nalini Thilak  
Sr Dy General Manager  
nalini@bhelrnd.co.in

	<b>ENQUIRY &amp; QUALIFYING CRITERIA</b>	Volume - 1 Enquiry No 591206341
GUI Simulation Software Tool Kit		

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) SIMULATION SOFTWARE TOOL KIT - 1 NO
3	Enquiry Reference no.	591206341
4	Indicative Delivery Date	31-01-2013
5	Due date, Time and place for submission of tender	15-11-2012 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. 15-11-2012, 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 591206341
GUI Simulation Software Tool Kit		

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. Being a research institution, BHEL R&amp;D is exempt from Customs duty against direct imports from foreign suppliers and exempt from central excise duty against indigenous suppliers as per Govt. of India. 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.            Incase 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 suppliers 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 principal 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>
3	Late Tenders	<p>Tenders received after due date/time(12:00hrs) will not be considered</p>
		<p>(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</p>

4	Discrepancy in words and figures	<p>corrected accordingly, unless in the opinion of the purchaser 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</p>

		supplier through risk purchase.
10	Risk Purchase	In case of default/late delivery,BHEL reserves the right to make alternate arrangement for procurement at suppliers risk and cost.
11	Banned List	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 website www.bhel.com.
12	Over All L1	Order will be placed on overall L1 basis. Vendors should quote for all items, otherwise the offer will be rejected.
13	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.
14	Destination	Indian Vendors: Destination shall be Stores,BHEL R&D,Hyderabad. Foreign Vendors: BHEL R.O.D Office, Mumbai, India.
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 benifits 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.

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

	<b>COMMERCIAL TERMS &amp; CONDITIONS (CTC)</b>	Volume - 1 Enquiry No 591206341
GUI Simulation Software Tool Kit		

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Validity of Offer	90 days from date of techno-commercial bid opening.	
2	Price basis	<p>The prices shall be firm for entire period of contract.</p> <p>The suppliers shall indicate packing and forwarding charges,if any,seperately.</p> <p>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 R&amp;D Stores 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>	
3	LD Clause	<p>Any delay beyond delivery date will attract penalty @0.5% of the undelivered portion of order value per week of delay and pro-rata for part of week subject to maximum of 10% of undelivered portion of order value.In case of non acceptance to this LD Clause, 10% of basic material cost will be loaded on the quoted prices while cost comparision.(Please refer the enclosed 'Loading Factors' sheet).</p>	
		<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".</p>	

4	Payment Terms	<p>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>	
5	Freight & Insurance	<p>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.</p>	
6	Agency Agreement	<p>Guidelines regarding dealing with indian agents of foreign suppliers</p> <ol style="list-style-type: none"> <li>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.</li> <li>2. IT shall be incumbment on the indian agent and the foreign principal to adhere to the relevant guidelines of government of india, issued from time to time.</li> <li>3. The agency agreement should specify the precise relationship between he foreign oem services to be rendered by agent / associate, whether general in nature or in relation to the particular contract,</li> </ol>	

		<p>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 encurse 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>	
7	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>	
8	Taxes and duties	<p>All Indian suppliers shall clearly mention current 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 clearly. The vendors should mention applicable Registration Number(s) specifically in their quotation. The suppliers are requested to submit their bids clearly stating applicable taxes and duties. The quoted taxes/duties 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.</p>	
		The Supplier shall indicate the	

9	Weight and Packing Dimensions.	shipping weight (Kgs) and dimensions(L x W x H in cms) clearly along with offer.
<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 591206341
GUI Simulation Software Tool Kit		

SL.No.	Item														
1	<b>SIMULATION SOFTWARE TOOL KIT</b>														
	<table border="1"> <thead> <tr> <th data-bbox="310 464 370 554">sl no</th> <th data-bbox="370 464 695 554">Descriptions</th> <th data-bbox="695 464 1036 554">BHEL Specifications</th> <th data-bbox="1036 464 1430 554">Vendor Specifications/ Deviations</th> </tr> </thead> <tbody> <tr> <td data-bbox="310 554 370 1142" style="text-align: center;">1</td> <td data-bbox="370 554 695 1142" style="text-align: center;">General Description</td> <td data-bbox="695 554 1036 1142">           Software to carry out steady state heat and mass balance for various types of power plants generation technologies namely, Thermal power, Solar power and Coal Gasification. The software shall have a facility to generate Heat balance diagrams and study various design alternatives and propose optimised design based on constraints specified.         </td> <td data-bbox="1036 554 1430 1142"></td> </tr> <tr> <td data-bbox="310 1142 370 1936"></td> <td data-bbox="370 1142 695 1936"></td> <td data-bbox="695 1142 1036 1936">           The software shall have following features:            Conventional Thermal power plants : 1. The software shall be able to build complete steam power plant cycle for different pressure and load ratings inclusive of both sub-critical and supercritical applications. 2. The software shall have the ability to model and simulate complete power plant cycle by including typical equipment models as listed in Annexure -1. However, the software shall also include any         </td> <td data-bbox="1036 1142 1430 1936"></td> </tr> </tbody> </table>	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations	1	General Description	Software to carry out steady state heat and mass balance for various types of power plants generation technologies namely, Thermal power, Solar power and Coal Gasification. The software shall have a facility to generate Heat balance diagrams and study various design alternatives and propose optimised design based on constraints specified.				The software shall have following features: Conventional Thermal power plants : 1. The software shall be able to build complete steam power plant cycle for different pressure and load ratings inclusive of both sub-critical and supercritical applications. 2. The software shall have the ability to model and simulate complete power plant cycle by including typical equipment models as listed in Annexure -1. However, the software shall also include any			
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## Features

other equipment models as needed to build a typical power plant system model.

Combined Cycle power plants : 1. The software shall be able to build complete combined cycle power plant for different gas turbines and steam cycle ratings.

2. It shall have ability to model and simulate all equipment of combined cycle power plant as mentioned in Annexure-

1. However, the software shall also include any other equipment models as needed to build a typical power plant system model. Solar thermal Power plants :

1. The software shall be able to build complete solar thermal power plant. 2. The software shall have ability to model and simulate the performances of various solar fields as mentioned in Annexure-

1. However, the software shall also include any other equipment models as needed to build a typical power plant system model. 3. The collector model shall include optical and geometrical inputs to reflector and receiver technologies. 4. The software shall have the ability to simulate thermal storage facility for various heat transfer

		<p>fluids. Integrated Gasification combined cycle power plants (IGCC) : 1. The software shall be able to build IGCC power plant for different gas turbines and steam cycle ratings. 2. It Shall be able to simulate various IGCC components as mentioned in Annexure-I. However, the software shall also include any other equipment models as needed to build a typical power plant system model. 3. It shall have extensive physical property libraries to simulate gas clean up system (i.e. acid gas (CO<sub>2</sub> and H<sub>2</sub>S removal).</p>	
		<p>A) Thermal Power Plants: Heat exchangers: Steam-Steam, steam-water, steam-Air, Gas-Steam, Air-Air, Gas-Gas, Gas-Water, Water-Water, Steam coil air heater, Gas-Air (Tri-sector and Bi-sector Air heaters), Attemperator, Radiative heat – transfer heat exchangers Steam Turbines and Auxiliaries: High Pressure, Intermittent Pressure, Low Pressure for Sub-Critical and Super-Critical boiler Main steam parameters, Drive turbine for Feed pumps Fans:Axial,</p>	

## Annexure – 1

centrifugal with constant speed and variable speed  
Furnace: Boiler Furnace, Stoker Furnace, Cyclone Furnace, Oil fired, coal fired, Dual sided once through, once through single furnace, Tangentially fired and Front wall fired furnace  
Condenser: Air cooled, Water cooled  
Motors: single phase and three phase induction motors with constant speed and variable speed drive  
Pumps: Centrifugal, positive displacement, Oil and Vacuum pumps  
Valves with or without actuators: Gate, regulating, diverter, air, gas, steam, water, two phase  
Transmitter: Flow, Pressure, Pressure difference, Temperature  
Boiler Drum and Deaerator  
Pulversiers: Ball, Tube and Bowl type.  
Circulating Systems: Natural circulation, Forced Circulation and Once through.  
Combustor model.  
Miscellaneous: ESP, Coal nozzles, Oil burners, Bunkers, Gravimetric feeders, Ducts, Headers, Junctions  
B) Combined Cycle Power Plants  
Gas Turbine, Evaporator, all heat exchangers with convection heat transfer (HRSG components).  
C) Integrated

		<p>Gasification combined cycle power plants (IGCC): Gasifier, Gas clean up system, Cola handling system, Evaporators, Ash handling system and gas-gas, gas-liquid heat exchangers, Gas turbine for Syn gas , compressors and gas turbines from various vendors. D) Concentrated Solar Power Plants: Parabolic Trough, Heliostat, Storage Tank, Related pipes, joints, Heat transfer fluid- molten salt, Therminol VP-1, Water/Steam.</p>	
	Features contd...	<ol style="list-style-type: none"> <li>1. The system shall generate the models from the first principles by using appropriate Mass, Energy and Momentum balance.</li> <li>2. The user shall be able to define the process interactively by selecting the desired components from the library provided by the software using Graphical User Interface (GUI), configure and connect these components to build a reference plant.</li> <li>3. The software shall have the flexibility to configure a plant with different combination like solar &amp; thermal , solar &amp; combined cycle, Solar &amp; IGCC.</li> <li>4. The models will be able to be developed under</li> </ol>	

		<p>different Unit systems (FPS,SI systems) and system shall allow the user to convert from one unit system to the other .It shall have facility to have user defined Units Of Measurements. 5.The software shall have facilities to generate multiple scenarios in the power plant via What if analysis tool. 6. The software shall have optimization tool to simulate optimal conditions under specified constraints. 7.The user shall be able to import and export data and results to different interfaces like excel. 8.The software package should work on Windows-XP/Windows 7(or latest).</p>	
	License Type & Software Training	<p>1.The price offered shall be per user basis. Cost of additional user license should be quoted separately. 2. The scope to include training of owner's engineers for complete software at BHEL R&amp;D's premises. Complete details of the proposed training shall be provided.</p>	
G	<b>General Specifications</b>		
	sl no	Descriptions	Vendor Specifications/ Deviations
			<p>1. AMC charges shall be quoted on yearly basis up to 5 years. AMC to include technical support</p>

	<p>1 General terms</p>	<p>and upgrades of the software. 2. Technical evaluation features of the software will be based on Technical features compliance and demonstration / proof thereof. (b) List of users/projects where the software is used to generate heat balance diagrams for conventional thermal power plants, combined cycle power plants, solar thermal power plants and Integrated Gasification combined cycle power plants (IGCC). The references for each type of power plants is required. (c) BHEL reserves the right to evaluate the technical bid by a given case study to evaluate the software's capability. 4. The vendor shall submit offer in two parts consisting of Technical and price bids separately. 5. a) The price bid shall include cost for single user basis . b) Cost of additional user license should be quoted separately. 6. Technical bid shall also contain a copy of price bid without figures / values. 7. For any technical clarification, the bidder may contact the following persons: a) Mr. M. R. prabhakarh, prabhakar@bhelrnd.co.in b) Mrs.V. Jyothi, vjyothi@bhelrnd.co.in.</p>	
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\* 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 COMMISSIONING	NIL PBG WILL NOT BE INSISTED FROM THE SUPPLIER)
				90% PAYMENT AGAINST 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 AGAINST 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>B.1</b>	<b>SUPPLY OF EQUIPMENT</b>	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
				PART ADVANCE (x%) PAYMENT WITH SUPPORTING BANK GUARANTEE AND BALANCE PAYMENT AFTER RECEIPT OF MATL	11% INTEREST ON THE ADVANCE AMOUNT FOR THE DELIVERY PERIOD+ 1 MONTH AND 11% INTEREST ON BALANCE AMOUNT FOR ONE MONTH
<b>B.2</b>	<b>SUPPLY OF EQUIPMENT INCLUDING E&amp;C</b>	PAYMENT TERMS(THE SUPPLIER MUST SUBMITT 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 SUBMISSIONOF 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>					
<b>C.1</b>		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>					
<b>D.1</b>		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)	
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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&amp;D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (INDIA)

RD:MPX:F-13

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

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### VENDOR REGISTRATION FORM

(Indigenous supplier)

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

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Before filling, please refer to instructions on page-4

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#### 1.0 VENDOR PROFILE:

1.1 Name and address of the vendor:

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Phone Nos.:Fax No.:Email: 1. \_\_\_\_\_ 2. \_\_\_\_\_

1.2 Local representative name &amp; address in Hyderabad/Secundrabad :

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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)
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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:

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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 :  
CAPACITY :  
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 brochures 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 brochures, 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



# Bharat Heavy Electricals Limited

Corp. R&D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (INDIA)

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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.