



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

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RD:DP:MPX:F-04

Ref: 421504351

**ENQUIRY**

Date 31-03-2016

Enquiry for **Welding Simulation Software for Optimization of Parameters for Manufacturing of Engg Components.**

Enquiry No:421504351

Enquiry Date : 31-03-2016

Due Date: 23-04-2016

Indicative Delivery Date : 31-12-2016

Sl.No	Item Description	Unit	Qty
1	Welding simulation software	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

M Hemanth Kumar  
Sr Manager  
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## ENQUIRY & QUALIFYING CRITERIA

Volume - 1  
Enquiry No  
421504351

Welding Simulation Software for Optimization of Parameters for Manufacturing of Engg Components.

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) Welding simulation software - 1 NO
3	Enquiry Reference no.	421504351
4	Indicative Delivery Date	31-12-2016
5	Due date, Time and place for submission of tender	23-04-2016 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. 23-04-2016, 2 PM
7	Mode of Submission of Tender	<p>Please submit your offer in one common sealed cover containing two parts in separate sealed covers as detailed below.</p> <p>1) First Cover shall contain:</p> <ul style="list-style-type: none"><li>a. Signed General Terms &amp; Conditions (GTC)</li><li>b. Filled and Signed Commercial Terms &amp; Conditions (CTC)</li><li>c. Filled and Signed Vendor Specifications against BHEL Specifications (Item wise)</li><li>d. Signed commercial bid</li><li>e. Copy of Price-bid with price(s) cells blank (un-priced price bid)</li></ul> <p>2) Second cover shall contain Price Bid Containing Price quotes, applicable taxes, 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.</p> <p>If the price bid was found later to be different from the unpriced pricebid format in any way, the offer will be rejected summarily. The rates shall be quoted both in figures and in words.</p> <p>The offers can also be submitted through e-mail and have to be sent in PDF format (files with PDF extension only). Files having extensions other than PDF like RAR, EXE, JPEG etc. and with external links will not be considered. They have to be sent to e-mail id: 'eoffers@bhelrnd.co.in' only. Copies should not be marked to anyone. If the offers are marked to anyone other than to eoffers, their offer will not be considered.</p> <p>The e-mail offers should have two attachments.</p> <p>1) One attachment shall contain</p> <ul style="list-style-type: none"><li>a. Signed General Terms &amp; Conditions (GTC)</li><li>b. Filled and Signed Commercial Terms &amp; Conditions (CTC)</li><li>c. Filled and Signed Vendor Specifications against BHEL Specifications (Item wise)</li><li>d. Signed commercial bid</li><li>e. Copy of Price-bid with price(s) cells blank (un-priced price bid)</li></ul> <p>2) Second attachment shall contain Price Bid Containing Price quotes, applicable taxes, 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.</p> <p>The subject of the e-mail should contain Enquiry No, Enquiry Date and Due date.</p>



## GENERAL TERMS & CONDITIONS (GTC)

Volume - 1  
Enquiry No  
421504351

Welding Simulation Software for Optimization of Parameters for Manufacturing of Engg Components.

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. All foreign quotes will be evaluated with custom duty @ 5.15% for cost comparison.</p> <p>c. Taxes &amp; Duties quoted will be taken for evaluation of landed cost &amp; order placement and no change will be entertained later except in the case of changes made by the government. However please note that we are availing cenvat credit for service tax and hence service tax will be excluded in calculation of landed cost to BHEL.</p> <p>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> <p>f. L1 status shall be decided on Cost to BHEL Basis.</p>
2	Late Tenders	Tenders received after due date/time(12:00hrs) will not be considered
3	Discrepancy in words and figures	<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 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>
4	Two Part bid clarifications	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.
5	Price Impacts	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.
6	Price bid evaluation	All offers in price bid opening or reverse auction shall be evaluated in Indian currency based on unit price, packing & 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.
7	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.
8	Withdrawal	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.
9	Risk Purchase	In case of default/late delivery,BHEL reserves the right to make alternate arrangement for procurement at suppliers risk and cost.
10	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. Guidelines for suspension of business dealings with suppliers/contractors are available on www.bhel.com under supplier registration page
11	Over All L1	Order will be placed on overall L1 basis. Vendors should quote for all items, otherwise the offer will be rejected.
12	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.
13	Destination	Indian Vendors: Destination shall be Stores,BHEL R&D,Hyderabad. Foreign Vendors: 1) BHEL R.O.D Office, Mumbai, India for sea consignments and 2) BHEL R&D, Hyderabad, India for air consignments.
14	Arbitration	Subject to the jurisdiction of Hyderabad/Secunderabad,Andhra Pradesh,India in respect of any suit or other legal proceedings relating this contract.
15	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.
16	Micro Small Enterprises (MSEs)	<p>MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM II certificate along with CA certificate (Format as below)applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) Where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents. Certificate by chartered Accountant on letter head</p> <p>This is to certify that M/s .....(hereinafter referred to as 'company') having its registered office at ..... is registered under MSMED Act 2006, (Entrepreneur Memorandum No(Part-II) ..... dtd....., Category.....(Micro/Small). (Copy enclosed). Further verified from the Books of Accounts that the investment of the company as on date..... as per MSMED Act 2006 is as follows :</p> <p>1. For manufacturing Enterprises : Investment in plant and machinery (i.e. Original cost excluding land and building and the items specified by the ministry of small Scale Industries vide its notification No.S.O.1722 (E) dated October 5, 2006. 2. For Service Enterprises : Investment in equipment (Original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006: Rs..... Lacs The above investment of Rs..... Lacs is within permissible limit of Rs..... Lacs for.....Micro/Small (Strike off which is not applicable) Category under MSMED Act 2006.</p> <p>Date: (Signature) Name- Membership number -- Seal of Chartered Accountant</p>
17	Foreign Vendors	<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 principal should ensure compliance to regulatory guidelines which require mandatory submission of agency agreement (as per *).</p> <p>* The Agency Agreement shall specify 1) Agency commission, 2) Responsibilities of the agent, 3) Territory, 4) Agreement Period</p>
18	Signing & Stamping	Documents of BHEL's all Terms and conditions submitted with the offer shall be signed and stamped in each page of authorized representative of the bidder

**Documents submitted with the offer shall be signed and stamped in each page of authorized representative of the bidder**

**Read and agreed for all the above general terms and conditions**

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



## COMMERCIAL TERMS & CONDITIONS (CTC)

Volume - 1  
Enquiry No  
421504351

Welding Simulation Software for Optimization of Parameters for Manufacturing of Engg Components.

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Reverse Auction	<p>BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.</p> <p>In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit „online sealed bid“ in the Reverse Auction. Non-submission of „online sealed bid“ by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.</p>	
2	Two part	<p>Please submit your offer in one common sealed cover containing two parts in separate sealed covers as detailed below.</p> <p>1) First Cover shall contain:</p> <ol style="list-style-type: none"> <li>a. Signed General Terms &amp; Conditions (GTC)</li> <li>b. Filled and Signed Commercial Terms &amp; Conditions (CTC)</li> <li>c. Filled and Signed Vendor Specifications against BHEL Specifications (Item wise)</li> <li>d. Signed commercial bid</li> <li>e. Copy of Price-bid with price(s) cells blank (un-priced price bid)</li> </ol> <p>2) Second cover shall contain Price Bid Containing Price quotes, applicable taxes, 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.</p> <p>If the price bid was found later to be different from the unpriced pricebid format in any way, the offer will be rejected summarily. The rates shall be quoted both in figures and in words.</p> <p>The offers can also be submitted through e-mail and have to be sent in PDF format (files with PDF extension only). Files having extensions other than PDF like RAR, EXE,JPEG etc. and with external links will not be considered. They have to be sent to e-mail id: 'eoffers@bhelrnd.co.in' only. Copies should not be marked to anyone. If the offers are marked to anyone other than to eoffers, their offer will not be considered.</p> <p>The e-mail offers should have two attachments.</p> <p>1) One attachment shall contain</p> <ol style="list-style-type: none"> <li>a. Signed General Terms &amp; Conditions (GTC)</li> <li>b. Filled and Signed Commercial Terms &amp; Conditions (CTC)</li> <li>c. Filled and Signed Vendor Specifications against BHEL Specifications (Item wise)</li> <li>d. Signed commercial bid</li> <li>e. Copy of Price-bid with price(s) cells blank (un-priced price bid)</li> </ol> <p>2) Second attachment shall contain Price Bid Containing Price quotes, applicable taxes, 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.</p> <p>The subject of the e-mail should contain Enquiry No, Enquiry Date and Due date.</p>	
3	Validity of Offer	90 days from date of techno-commercial bid opening.	
4	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, separately.</p> <p>All foreign suppliers shall quote the lowest prices on 'FOB-Nearest International Airport/Sea port' basis. An amount of 3% on basic value towards freight and insurance will be added for cost comparison.</p> <p>All Indian suppliers shall quote the lowest prices on 'free delivery at BHEL R&amp;D Stores or F.O.R destination' basis only.</p>	
5	LD Clause	Failure to supply the goods and/or carryout the services within the stipulated delivery date will attract a penalty of 0.5% per week or part thereof for the value of the undelivered portion of the purchase order subject to a maximum of 10% of the total 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 comparison.(Please refer the enclosed 'Loading Factors' sheet).	
6	Freight & Insurance	Insurance will be arranged by BHEL in case of FOB basis supplies.In such cases ,an amount of 3% towards freight and insurance will be added for cost comparison.	
		<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 incumbent 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 the foreign oem and services to be</li> </ol>	

7	Agency Agreement	<p>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 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. When ever 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>	
8	Delivery Period	<p>FOR INDIAN SUPPLIES : =====</p> <p>Suppliers are requested to quote within the delivery date mentioned in the enquiry. They shall also mention one of the following delivery periods compulsorily.</p> <p>1) Delivery Period from date of Purchase order =====</p> <p>2) Delivery Period from receipt of material / input data / drawings etc. from BHEL===== (if applicable)</p> <p>3) Delivery Period from receipt of approval of design documents / drawings etc. by BHEL===== (if applicable)</p> <p>However BHEL shall inform the vendor about rejection of the offer before price bid opening in case of not meeting the delivery requirements of BHEL.</p> <p>FOR FOREIGN SUPPLIES : =====</p> <p>Suppliers are requested to quote within the delivery date mentioned in the enquiry. They shall also mention one of the following delivery periods compulsorily.</p> <p>1. Delivery Period from date of Purchase order : =====</p> <p>2. Delivery Period from receipt of input data / drawings etc. from BHEL ===== (if applicable)</p> <p>3. Delivery Period from receipt of approval of design documents / drawings etc. by BHEL ===== ( if applicable )</p> <p>4. Delivery Period from date of LC Opening ===== ( if applicable)</p> <p>5. Delivery Period from date of PO acceptance =====</p> <p>However BHEL shall inform the vendor about rejection of the offer before price bid opening in case of not meeting the delivery requirements of BHEL.</p> <p>Pl. mention any other issues/constraints like export clearance etc. explicitly, if any =====</p>	
9	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. Please note that we are availing cenvat credit for service tax and hence service tax will be excluded in calculation of landed cost to BHEL. However Proof of payment of service tax is required to be submitted for reimbursement of the same.</p>	
10	Weight and Packing Dimensions.	<p>The Supplier shall indicate the shipping weight (Kgs) and dimensions(L x W x H in cms) clearly along with offer.</p>	
11	Nature of Vendor submitting the Offer	<p>OEM / Agent / Representative / Dealer / Distributor / Stockist / Trader / Reseller / Channel Partner/ System Integrator / Any Other (Pl. Specify)</p>	
12	Foreign Suppliers without Indian Agent	<p>To be quoted in Foreign Currency. Purchase Order will be placed on Foreign Supplier.</p>	
13	Foreign Principal availing services of an Indian Agent	<p>Foreign principal should ensure compliance to regulatory guidelines which require mandatory submission of Agency agreement. (as per *) To be quoted in Foreign Currency.</p> <p>Purchase order will be placed on Foreign Supplier. Agency Commission will be paid to Indian Agent in Indian rupees.</p> <p>* The Agency Agreement shall specify 1) Agency commission, 2) Responsibilities of the Agent, 3) Territory,</p>	

		4) Agreement Period	
14	Indian Agent desirous of quoting imported Equipment	<p>Any Indian Agent desirous of quoting imported Equipment, they should submit the quote in foreign currency along with copy of agency agreement (as per *). To be quoted in Foreign Currency.</p> <p>Purchase order will be placed on Foreign Supplier. Agency Commission will be paid to Indian Agent in Indian rupees.</p> <p>* The Agency Agreement shall specify 1) Agency commission, 2) Responsibilities of the agent, 3) Territory, 4) Agreement Period</p>	
15	Indian Vendor Offering fully imported Equipment	<p>To be quoted in Foreign Currency. Purchase order will be placed on Foreign Supplier.</p> <p>As BHEL R&amp;D is registered with Department of Scientific and Industrial Research (DSIR) for the purpose of availing Customs Duty exemption, BHEL desires to import the equipment from foreign supplier with concessional custom duty.</p> <p>In case if it is not possible to quote in foreign currency for imported items, reasons for the same to be mentioned</p>	
16	Indian Vendor Offering Equipment with partly imported & partly indigenous Items/Services	<p>Imported Items to be quoted in Foreign Currency.(**) Purchase order for imported items will be placed on Foreign Supplier.</p> <p>Indigenous items/services to be quoted in Indian rupees.(**) Purchase order for indigenous items/services will be placed on Indian Supplier. **</p> <p>1) As BHEL R&amp;D is registered with Department of Scientific and Industrial Research (DSIR) for the purpose of availing Customs Duty exemption, BHEL desires to import the foreign items from foreign supplier with concessional custom duty. 2) In case if it is not possible to quote in foreign currency for imported items, reasons for the same to be mentioned. 3) Authorisation Letter from Foreign Supplier should be submitted.</p>	
17	Indian Vendor offering Items manufactured / assembled / customized in India with imported/indigenous material/sub components.	Please specify both imported and indigenous content in percentage / customization done.	
18	Payment terms for Indian Offers (Supply and E&C)	<p>BHEL standard payment term</p> <p>"90% Payment with in 30 days from the date of receipt and acceptance of material at BHEL R&amp;D Stores, Hyderabad". "Balance 10% and E&amp;C charges within 30 days of completion of E&amp;C"</p> <p>Note: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>	
19	Payment terms for Foreign Offers (Supply and E&C)	<p>BHEL standard payment term</p> <p>"90% Invoice value by wire transfer within 30 days of receipt and acceptance of material at BHEL R&amp;D Stores, Hyderabad". "Balance 10% and E&amp;C charges by wire transfer within 30 days of completion of E&amp;C" All bank charges inside India shall be to BHEL account and outside India shall be to supplier's account.</p> <p>Note: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>	

**Note :** 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 & Conditions format submitted with technical bid, responding to all the clauses duly signed with seal **only shall be considered**. Any other Commercial terms & conditions of bidders entered else where in their offer shall not be considered and are liable for rejection.

**Read and understood the above commercial terms and conditions**

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



# ITEM SPECIFICATIONS

Volume - 2  
Enquiry NO  
421504351

Welding Simulation Software for Optimization of Parameters for Manufacturing of Engg Components.

SL.No.	Item			
1	<b>Welding simulation software</b>			
	sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	1	Scope of supply:	<p>Supply of state - of - the - art welding simulation software for optimization of parameters for Manufacturing of Engineering Components with following capabilities and features: The supply should include the following: 1 Installation of software on a PC/ Server. 2 A CD-ROM containing the software including all executable files and libraries of material data, etc. 3 User manual available online or built in software and hardcopies. 4 Access to updates and new versions of the software during warranty period. 5 Technical support should be provided in the event of malfunctions within 5 working days.</p>	
2	Capabilities of the software:	<p>1. The software should have an exhaustive and user-friendly meshing tool which supports CAD import, 2D &amp; 3D meshing and editing for linear &amp; quadratic meshes. 2. The software should have the provision for generating the mesh from the CAD drawings for simple to complex geometry weldments along with parts of components to be modelled. 3. It should have the provision for generating area and volume meshes. 4. It should have the interface with CAD system for generating the geometry easily. 5. It should have provision for input of the required data like materials selection, welding process selection and its parameters like current, voltage, electrode/filler, etc. and job dimensions. 6. It should provide the planning for clamp, force and weld sequence management 7. It should have the simulation tool which covers complete manufacturing chain starting from the preparation of part to pre-positioning to holding/clamping and finally joining/ welding. 8. It should have dedicated core methodologies for early feasibility to detailed final design. 9. It should have the capability to integrate fully into one single platform for material management, meshing, welding heat treatment and weld assembly analyses and process for the result visualization, analyses and optimization.</p>		
		<p>1. It should have material data library for physical, mechanical, thermal, metallurgical and chemical properties of all structural steels, complex materials and advanced materials like, Ni base superalloys. 2. It should have the material data of nonferrous metals like Al alloy, Mg alloys, Cu alloys, Ti alloy, etc.</p>		

3	Data Libraries:	<p>3. The material data should be integrated fully in the same platform and compatible to process further for any update, modification requirements.</p> <p>4. It should have the provision for inclusion of material data as and when it is required for simulation.</p> <p>5. The data of material properties for all the materials shall be provided based on their manufacturing processes like forging, casting, drawing, rolling, etc.</p>	
4	Simulation capability:	<p>1. It should simulate the transient and steady state thermal analysis, elastic, elastic-viscous-plastic stress analysis, large deformation analysis, phase transformation and the combined analysis of thermal-structural and thermal-metallurgical type.</p> <p>2. It should have the capability of modeling the welding for various weld joints like, Butt, Lap, Fillet, T joint, J joint and Edge joints.</p> <p>3. It should have the capability of simulation of the weld for minimum of 2mm thick sheets to 1000mm plates/ blocks.</p> <p>4. It should have the capability of simulating similar and dissimilar metal welds covering all possible combinations like, steels to Ni base superalloys, etc.</p> <p>5. It should have the capability to address the simulation of all welding processes (Arc, Electron Beam, Laser, Resistance Spot welding, cladding, etc.) and Heat Treatment processes (Annealing, Normalizing, Quenching, tempering, etc.) by considering all thermal, metallurgical (Phase transformation, diffusion of elements and precipitation of phases) and mechanical phenomena which are involved during welding and heat treatment including transformation induced plasticity.</p> <p>6. It should have the capability of simulating the heat treatment (Preheating and post weld heat treatment) including viscous and tempering effects on the weld joints during welding as well as after welding.</p>	
5	Computing/ analysis capability:	<p>1. It should have the capability of computing the temperature fields, phase transformations, thermal stresses, transformation induced plasticity, hardening recovery, yield strength, distortion/ deformation and residual stresses.</p> <p>2. It should have the capability of analysis of transient and steady state thermal analysis</p> <p>3. It should have capability for prediction of the phase fractions in the Parent metal, weld metal, heat affected zones (HAZ) caused by the welding heat input including of phase transformation phenomena and CCT / TTT diagrams for standard materials. Prediction of the mechanical properties of the weld metal and the heat affected zones including hardness using a coupled thermal-metallurgical model. Material data base for mechanical and thermal properties of various materials.</p> <p>4. It should also have the capability for computing Elastic, Plastic Strains, Yield Strength, Elasto-Plastic strains, etc.</p> <p>5. It should be able to compute the effects of single heat source and multiple heat</p>	

		<p>sources in two dimensional and three dimensional during welding process.</p> <p>6. It should able to predict heat source fitting for welding and heat transfer co-efficient fitting for heat treatment.</p> <p>7. Similarly it should simulate the single pass and multiple passes effect on weldments.</p> <p>8. It should generate the edge preparations like, Single U, Double U, Single V, etc. based on the given inputs of job dimensions.</p> <p>9. It should simulate the virtual welding processes for all type of welding techniques like, arc welding (SMAW, TIG, MIG, SAW, etc.), advanced welding techniques like Laser beam welding, Electron beam welding, Spot resistance welding, etc. and other techniques like cladding.</p>	
6	Results of computation:	<p>1. The computed results should be displayed in synchronized simultaneous windows based on their process inputs for various welding techniques with their parameters like current, voltage, electrode, etc.</p> <p>2. It should display the total geometry of the weldments for various weld joints.</p> <p>3. It should also display the heat treatment effects (pre and post weld heat treatments) along with the heat/temperature distribution in weld metal, Heat Affected Zone (HAZ) and parent metals.</p> <p>4. It should display distortion/ deformation levels based on the welding techniques and its parameters, material properties and job dimensions, etc. in local as well as large scale phenomenon.</p> <p>5. It should display the residual stress distribution in the weldments with heat treatments as well as without heat treatments for different regions of HAZ, Parent and weld metals.</p> <p>6. It should exhibit and estimate the distribution of the metallurgical phases in weld metal, Heat Affected Zone (HAZ) and parent metal.</p>	
7	License	The supplier should provide the software license on permanent (perpetual) basis for LAN (Floating) and should support minimum one (1) Core.	
8	Softwares:	All the software upgrades shall be supplied during warranty period on free of cost basis.	
9	Demonstration of the software:	<p>Supplier should demonstrate all the capabilities mentioned in the S.No. 2,3,4,5 and 6 of the software during techno-commercial evaluation at Corporate R&amp;D Division, BHEL, Hyderabad. Demo version of the offered software should be installed in the computer system at Corp. R&amp;D, BHEL, Hyderabad.</p> <p>Minimum configuration of the required computer system for installation of the original as well as Demo version softwares should be specified by the vendor along with bids.</p>	
		<p>1. Guarantee or Warranty for software and its all modules: 12 months from the date of E&amp;C or 18 months from the date of supply/ shipment whichever is earlier.</p> <p>2. Contact information of service engineers MUST be provided at the time</p>	

10	Warranty:	<p>of installation or E&amp;C. Availability of trained service engineers in India for attending the problem in at most 5 days has to be ensured and complied to.</p> <p>3. Vendor should meet the minimum commercial terms and conditions. Provision of extra warranty will not be carrying any weightage for calculation of landed cost.</p>	
11	Erection and Commissioning (E&C) or Installation:	<p>E&amp;C or Installation has to be carried out at Metallurgy Department, Corporate R&amp;D Division, BHEL, Hyderabad, by the OEM or their authorized service agency/ personnel only. All cables, adapters and CD/DVDs required for installation of software in PC/ Server should be carried by the supplier. It is the responsibility of the supplier to install and ensure the functionality of the total software in the system. E&amp;C, INSTALLATION CHARGES MUST BE QUOTED SEPARATELY IN THE PERCENTAGE OF TOTAL COST OF THE SOFTWARE. Supplier should intimate all pre-installation and utility requirements subsequent to the receipt of P.O.</p>	
12	After sales support and Annual Maintenance Contract (AMC):	<p>If OEM or supplier decides to take responsibility for service of welding simulation software, AMC charges for 3 years beyond the warranty period have to be quoted per year after expiration of the standard warranty. These charges have to be valid for 3 years beyond the standard warranty period. BHEL RESERVES THE RIGHT TO ADD AMC COST FOR COST EVALUATION. BHEL reserves the right to place a separate order/ orders for AMC contract for 3 years and/ or part thereof before expiry of standard warranty period at the rates quoted. In such a case, AMC Charges should be quoted separately as follows:</p> <ol style="list-style-type: none"> <li>1. AMC Charges after 1st year: __ % of total cost;</li> <li>2. AMC Charges after 2nd year: __ % of total cost;</li> <li>3. AMC Charges after 3rd year: __ % of total cost.</li> </ol> <p>During AMC period, up-gradation of software, validation (if any), general checks, etc. have to be carried out. Availability of trained service engineers in India for attending the problem at the most in 5 working days has to be ensured and complied to during emergency visit as a part of AMC. All software upgrades have to be provided free of cost during AMC period.</p>	
13	Manual and documentation:	<p>Four sets of manuals in English should be provided in hardcopy apart from the online help or built in software in interaction mode or a softcopy (in a CD/DVD) being supplied indicating detailed usage/ working instructions, troubleshooting issues, maintenance and service manuals, precautions to be taken, safety procedures to be followed.</p>	
14	Training:	<p>Training should be provided for minimum of 5 members of BHEL engineers at Corporate R&amp;D Division, BHEL Hyderabad for a period of Six (6) days from basic knowledge to advanced training with hands on experience for developing own designs of weldments</p>	

		along with the models and result outputs after the installation of software and demonstration. TRAINING COST SHALL BE QUOTED AS A LOT FOR TRAINING AT CORPORATE R&D DIVISION, BHEL HYDERABAD.	
15	Brochures/ Technical details:	Brochures/ Technical details/ technical features/ supporting information for compliance to all the item specifications listed in the enquiry has to be submitted along with the offer.	
16	Deviations, if any.	The vendor should clearly indicate whether they are able to supply as per BHEL specifications for each item description. The vendor may mention reasons for (i) deviations from specifications (ii) providing better than mentioned specifications wherever applicable.	
17	Pre-Qualification Criteria:	Original software developer (OEM) of the welding simulation software being quoted must have supplied to at least Five (5) reputed organisations/ Institutes in the past Five (5) years. The supplier should provide the list of customers to whom the software was supplied in last Five (5) years in India/ abroad.  E & C reports or Service reports for welding simulation software should be provided from any of the users belonging to the above mentioned labs/ organizations/ institutes (at least 3 in number) installed within last Five (5) years and should be submitted along with the bid.  OEM must have an office in India or authorized service agent in India to provide after-sales service, support and maintenance for softwares. A certificate in proof of this has to be submitted along with the bids.	

G			
General Specifications			
sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
1	License	License fee should be quoted for LAN and WAN separately. The offer should have all the packages/ modules required for complete solution to meet the technical requirements. Separate bids should be submitted for LAN and WAN licenses. Offers will be evaluated for LAN license only. BHEL RESERVES THE RIGHT TO LOAD AMC CHARGES AND TRAINING COST WHILE CALCULATING THE LANDED COST. BHEL also reserves the right to procure the WAN license subsequently by paying an extra cost.	
2	AMC Charges	AMC charges should be quoted for LAN and WAN separately. The AMC charges will be paid to the vendor every half yearly after completion of the service and with submission of service report along with the original invoice as per the terms and conditions of the P.O. / L.O. during AMC period.	
3	Training	Training cost should be quoted for training at Corporate R&D Division, BHEL Hyderabad. Training certificate should be issued to each participant after completion of the training.	

4	Erection & Commissioning, Installation	E&C/Installation charges must be quoted separately in the percentage of total cost of the software. E&C/ Installation report should be provided by the vendor after successful installation and demonstration of the software.	
5	Optional changes, if any	Any other charges, if any may be quoted as optional with clear details	

\* 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 AT BHEL R& D	SAME	NIL
				PAYMENT AGAINST PROFORMA INVOICE / DESPATCH DOCUMENTS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE TOTAL PO VALUE FOR ONE MONTH
				FULL ADVANCE PAYMENT WITH BANK GUARANTEE	LOADING @ ( SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE TOTAL PO VALUE FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH
				PART ADVANCE (X%) PAYMENT WITH BANK GUARANTEE AND BALANCE PAYMENT WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL	LOADING @ ( SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH
				PART ADVANCE (X%) PAYMENT WITH BANK GUARANTEE AND BALANCE PAYMENT ON RECEIPT AND ACCEPTANCE OF MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON BALANCE AMOUNT FOR ONE MONTH
A.2	SUPPLY OF EQUIPMENT INCLUDING ERECTION AND COMMISSIONING (E&C)	PAYMENT TERMS	90% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AND BALANCE 10% WITH IN 30 DAYS OF COMPLETION OF E&C.	SAME	NIL
				100% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF SUPPLIES AND E&C	NIL
				90% PAYMENT AGAINST PROFORMA INVOICE/ DESPATCH DOCUMENT AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C.	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON 90% OF THE VALUE OF PO FOR ONE MONTH
				90% PAYMENT AGAINST PROFORMA / DESPATCH DOCUMENT AND BALANCE 10% AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON TOTAL VALUE OF THE PO FOR ONE MONTH
				90% ADVANCE PAYMENT WITH BANK GUARANTEE AND BALANCE 10% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON 90% OF THE PO VALUE FOR DELIVERY PERIOD (ROUNDED OFF TO THE NEAREST MONTH) + 1 MONTH
				PART ADVANCE (X%) PAYMENT WITH BANK GUARANTEE AND (90 - X) % PAYMENT ON RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (ROUNDED OF TO THE NEAREST MONTH)+ 1 MONTH AND LOADING @ ( SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON BALANCE (90- X)% AMOUNT FOR ONE MONTH
				PART ADVANCE (X%) PAYMENT WITH BANK GUARANTEE AND BALANCE (90 - X) % PAYMENT AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT AFTER COMPLETION OF E&C	LOADING @ ( SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (ROUNDED OFF TO THE NEAREST MONTH)+ 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON BALANCE AMOUNT (100-X)% FOR ONE MONTH

B. FOR FOREIGN PURCHASES (IMPORTED)						
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED		LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
				SAME		NIL
B.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT BY WIRE TRANSFER WITHIN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R&D. (DESPATCH DOCUMENTS WILL BE SENT TO BHEL R&D DIRECTLY ALONG WITH BANK DETAILS)	SIGHT DRAFT ON PRESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6% ) ON THE BASIC VALUE FOR ONE MONTH PLUS PAYMENT RELATED BANK CHARGES INCURRED BY BHEL
				LC PAYMENT AGAINST DESPATCH DOCUMENTS		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				FULL ADVANCE PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE BASIC VALUE FOR DELIVERY PERIOD(Rounded off to nearest month) + 1MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				PART ADVANCE (X%) PAYMENT BY WIRE TRNSFER/LC WITH BANK GUARANTEE AND BALANCE PAYMENT WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				PART ADVANCE (X%) PAYMENT BY WIRE TRNSFER/LC WITH BANK GUARANTEE AND BALANCE PAYMENT ON RECEIPT AND ACCEPTANCE OF MATERIAL		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON BALANCE AMOUNT FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
B. FOR FOREIGN PURCHASES (IMPORTED)						
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED		LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
				SAME		NIL
B.2	SUPPLY OF EQUIPMENT INCLUDING ERECTION AND COMMISSIONING (E&C )	PAYMENT TERMS	90% PAYMENT BY WIRE TRANSFER WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	SIGHT DRAFT ON RESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6% ) FOR ONE MONTH PLUS PAYMENT RELATED BANK CHARGES INCURRED BY BHEL
				90 PAYMENT BY WIRE TRANSFER /LC AGAINST DESPATCH DOCUMENTS BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6% ) ON 90% OF BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				90% PAYMENT BY WIRE TRANSFER / LC AGAINST DESPATCH DOCUMENTS. BALANCE 10% AFTER COMPLETION OF E&C		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6% ) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				90% OF BASIC VALUE AS ADVANCE PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARNTTEE AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6% ) ON 90% OF THE BASIC VALUE FOR DELIVERY PERIOD (Rounded off to nearest month) + ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				PART ADVANCE (X%) PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE AND BALANCE (90-X)% PAYMENT BY WIRE TRANSFER /LC AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF E&C		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to the nearest month) + ONE MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON BALANCE (90-X)% FOR ONE MONTH
PART ADVANCE (X%) PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE AND BALANCE (90-X)% PAYMENT BY WIRE TRANSFER /LC AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT AFTER COMPLETION OF E&C		LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to the nearest month) + ONE MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6% ) ON BALANCE AMOUNT (100-X)% FOR ONE MONTH				

**C. PENALTY FOR DELAYED DELIVERY (COMMON FOR INDIGENOUS AND IMPORTS)**

<b>SLNO</b>	<b>COMMERCIAL TERMS</b>	<b>BHEL STANDARD TERM</b>	<b>AS OFFERED</b>	<b>LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS</b>
C	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% OF TOTAL ORDER VALUE WILL BE APPLICABLE	AGREED	NIL
			IF NOT AGREED	LOADING @ 10% OF THE BASIC MATERIAL COST
			IF AGREED FOR X%	LOADING @ ( 10-X)% OF THE BASIC MATERIAL COST

**D. GUARANTEE/WARRANTY PERIOD (COMMON FOR INDIGENOUS AND IMPORTS)**

<b>SLNO</b>	<b>COMMERCIAL TERMS</b>	<b>BHEL STANDARD TERM</b>	<b>AS OFFERED</b>	<b>LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS</b>
D	GUARANTEE/WARRANTY PERIOD	STIPULATED OR REQUIRED GUARANTEE/ WARRANTY PERIOD(X)  MINIMUM ACCEPTABLE GUARANTEE / WARRANTY PERIOD(Y)	AGREED	NIL
			NOT AGREED FOR STIPULATED BUT AGREED FOR MINIMUM GUARANTEE/WARRANTY(Y)	LOADING @ 10 % OF THE ORDER VALUE PER ANNUM FOR THE REDUCED GUARANTEE PERIOD (X-Y)



## Terms & Conditions of Reverse Auction

**Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).**

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit „online sealed bid? in the Reverse Auction. Non-submission of „online sealed bid? by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at “Total Cost to BHEL” like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL?s standard practice.
12. Bidders shall be required to read the “Terms and Conditions” section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the „Business Rules of Reverse Auction?, which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.



**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 :  
Company  
Seal

Authorised Signatory  
Designation :



Corp. R&D  
DIVISION  
VIKAS NAGAR,

RD:MPX:F-13

# Bharat Heavy Electricals Limited

HYDERABAD- 500 093 (INDIA)

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 )	

**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:**

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.

**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 brochures and catalogues)

1.10 NAME(S) OF BANKERS





# **Bharat Heavy Electricals Limited**

**Corp. R&D DIVISION**

**VIKAS NAGAR,**

**HYDERABAD- 500 093 (INDIA)**

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

RD:MPX:F-13

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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.

