


**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**

Date 01-10-2012

Ref: 711290471

Due date is extended up to 17-Nov-2012, 12:00 hrs.  
 The technical bid shall be opened on same day at 14:00 hrs.

**Enquiry for Vacuum Induction Melting Furnace**

Enquiry No:711290471 Enquiry Date : 01-10-2012 Due Date: 03-11-2012 Indicative Delivery Date : 10-08-2013

Sl.No	Item Description	Unit	Qty
1	Supply of Vacuum Induction Melting Furnace	SET	01
2	Erection and commissioning charges of the above furnace	LOT	01
3	Spares, chargeable, if any, furnish item-wise.	LOT	01

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

MKVH Sarma  
 Addl General Manager  
 sarma\_mkvh@bhelrnd.co.in

	<b>ENQUIRY &amp; QUALIFYING CRITERIA</b>	Volume - 1 Enquiry No 711290471
Vacuum Induction Melting Furnace		

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) Supply of Vacuum Induction Melting Furnace - 01 SET 2) Erection and commissioning charges of the above furnace - 01 LOT 3) Spares, chargeable, if any, furnish item-wise. - 01 LOT
3	Enquiry Reference no.	711290471
4	Indicative Delivery Date	10-08-2013
5	Due date, Time and place for submission of tender	03-11-2012 upto 12 noon. 17-NOV-2012 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. 03-11-2012, 2 PM 17-NOV-2012
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) d. Ernest Money Deposit (DD/Pay order/ E-payment receipt) e. Integrity Pact (IP) agreement, duly signed with seal. 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 Un-priced 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 711290471
Vacuum Induction Melting Furnace		


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. 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 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	Tenders received after due date/time(12:00hrs) will not be considered
4	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</p>

		<p>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	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.
6	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.
7	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. 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.
8	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.
9	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.
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 <a href="http://www.bhel.com">www.bhel.com</a> .
12	Reverse Auction	BHEL reserves the right, to procure above items through reverse auction. BHEL reserves the right to reject the offer, incase of suppliers

		non-acceptance to reverse auction.
13	Over All L1	Order will be placed on overall L1 basis. Vendors should quote for all items, otherwise the offer will be rejected.
14	Additional Information	Suppliers are requested to visit our web site regularly for any updates and additional information, "All corrigenda, addenda, amendments, time extensions clarifications, etc. to the tender will be hosted on BHEL website only". The corrigendum will not be published in news paper.
15	Destination	Indian Vendors: Destination shall be Stores, BHEL R&D, Hyderabad. Foreign Vendors: BHEL R.O.D Office, Mumbai, India.
16	Arbitration	Subject to the jurisdiction of Hyderabad/Secunderabad, Andhra Pradesh, India in respect of any suit or other legal proceedings relating this contract.
17	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.
18	Micro Small Enterprises (MSEs)	In case the supplier belongs to MSEs (Micro Small Enterprises), Registration copy in this respect shall be submitted along with the offer. Further if MSEs are owned by the Scheduled Caste or the Scheduled Tribe entrepreneurs the same may be intimated. The following are the benefits for the MSEs. 1.MSEs are given tender documents free of cost and are exempted from payment of earnest money (EMD). 2.In tender, participating MSEs quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a MSE and such MSE shall be allowed to supply up to 20% of total tendered value. In case of more than one such MSE, the supply shall be shared proportionately.
19	EMD - CAPITAL	1.Submission of earnest money deposite (EMD) along with offer is required. EMD is to be deposited in cash(as permissible under Indian income tax act) or pay order or demand draft only, drawn in favour of BHEL R&D, Vikasnagar, Hyderabad-500093. In case of foreign bidders e-payment shall also be accepted as EMD. Our bank details for e-payment by foreign vendors are: State Bank of India, BHEL(R&D)- Vikas Nagar Branch, Hyderabad, Andhra Pradesh, India; Pin-500093. Cash Credit A/C No: 10202162640; IFSC Code : SBIN0010622 2.EMD by the Tenderer will be forfeited as per Tender Document if, the successful bidder/vendor refuses to honour the Order after award of the Contract on him and /or withdraws his bid and /or unilaterally changes the offer and changes the offer and /or any of its terms & conditions with in the validity period. 3.EMD given by all unsuccessful Tenderers shall be refunded on acceptance of award /LOI/PO by successful Tenderer. The EMD of successful bidder shall be returned after submission of Contract Execution Bank Guarantee (CEBG). 4.EMD shall not carry any interest. 5.EMD amount is Rs/INR. 2,00,000

20	Contract execution Bank Guarantee (CEBG)-Capital	<p>CEBG shall be required for all POs where value (Supply +E&amp;C) of each P.O. is estimated to be more than Rupees 20,00,000/- (INR).</p> <p>The successful vendor shall have to furnish a Contract Execution Bank Guarantee (CEBG) for 10% of the Total PO value in the prescribed format within 30 days from the date of P.O. but before L/C opening. CEBG shall be from one of the Consortium Banks of BHEL or from a reputed Bank and confirmed by any Consortium Bank of BHEL . All bank charges on account of issuance and conformation of CEBG whether incurred in India or outside India will have to be borne by the vendor.</p> <p>CEBG shall be kept valid unit 30 days after the date of E&amp;C Certificate, which will be issued on completion of Erection &amp; Commissioning of equipment which includes erection, commissioning, job proving, performance test, training to operators etc. as prescribed in PO.</p> <p>If the supplier fails to submit the CEBG even with in 60 days from the date of PO, BHEL reserves the right to cancel PO &amp; forfeit the EMD given by the supplier. In addition, in such case, action will be initiated in line with extant guidelines for Suspension of Business dealings with Suppliers.</p>
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**Signature of the bidder with Seal & Date**

	<b>COMMERCIAL TERMS &amp; CONDITIONS (CTC)</b>	Volume - 1 Enquiry No 711290471
Vacuum Induction Melting Furnace		

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Validity of Offer	120 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, separately.</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 comparison.</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 comparison.</p>	
3	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 comparison.</p>	
		<p>Guidelines regarding dealing with Indian agents of foreign suppliers</p> <p>1. BHEL shall 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 the foreign principal should ensure compliance to regulatory guidelines which require mandatory submission of agency agreement.</p> <p>2. IT shall be incumbent on the Indian agent and the foreign principal to adhere to the relevant guidelines of government of india, issued from time to time.</p> <p>3. The agency agreement should</p>	

4	Agency Agreement	<p>specify the precise relationship between the foreign oem services to be rendered by agent / associate, whether general in nature or in relation to the particular contract, must clearly stated by the foreign supplier / indian agent. Any payment, which the agent / associate receives in india or abroad from the oem, whether as commission or as a general retainer fee shall be brought out in record in the agreement and be made explicit in order to ensure compliance to the laws of the country.</p> <p>4. Any agency commission to be paid by BHEL to the indian agent shall be indian currency.</p> <p>5. Whenever indian agents are representing on behalf of their principals the relevant authorization letter and agreement copy to be enclosed along with technical bid to consider the offer.</p>	
5	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>	
		<p>Payment</p> <p>1) Through L/C (Foreign Currency): Where the payments are through L/C (L/C opening charges shall be loaded for landed cost evaluation), payment of Supply value shall be 80% on dispatch and 20% on issue of E&amp;C Certificate. Payment of E&amp;C Value shall be made against E&amp;C certificate issued by BHEL. E&amp;C certificate shall be issued on satisfactory completion of erection, commissioning, job proving,</p>	

6	Payment terms - Capital	<p>performance test, training to operators etc, as envisaged in PO. The L/C shall be opened by BHEL as per following:</p> <p>(i) Within 30 days of receipt of acceptable CEBG, an irrevocable unconfirmed L/C will be opened for 30% of the payment towards supply, due on shipment i.e. 24% of the Supply value of PO (30% of 80%)</p> <p>Not earlier than 60 days before the shipment date, the value of this irrevocable unconfirmed L/C would be enhanced from 24% to 80% of the Supply value of PO</p> <p>The above L/C can be negotiated after the Shipment against submission of B/L or AWB and such other documents as mentioned in the in the PO. The above L/C will be valid for a period extending 21 days beyond the shipment date for negotiation of documents.</p> <p>(ii) 15 days prior to the scheduled &amp; confirmed arrival of the technicians of supplier with their names, an irrevocable unconfirmed L/C will be opened for a value equal to 20% of the Supply value of PO plus 100% of the E&amp;C value of PO. The validity of L/C would be sufficient to cover the period required for the completion of E&amp;C plus 21 days as negotiation period. This L/C can be negotiated after:</p> <p>(a) Completion of E&amp;C of the equipment in BHEL and against E&amp;C certificate issued by BHEL and (b) Submission of Performance Bank Guarantee (PBG) by Supplier in the prescribed Format valid for 30 days beyond the warranty period, from one of the Consortium Banks of BHEL or from a reputed Bank and confirmed by Consortium Bank of BHEL for 10% of total PO Value. The PBG confirmation charges shall be borne by vendor. Under all circumstances, CEBG shall be kept valid till the PBG becomes operational.</p> <p>2 Direct Payment:</p> <p>In case of direct payment, 80% payment of Supply value shall be</p>
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		<p>made with in 45 days form the date of receipt of material at BHEL. Balance 20% of supply value plus 100% of the E&amp;C portion of PO Value will be paid against E&amp;C certificate issued by BHEL and submission of Performance Bank Guarantee (PBG) valid for 30 days beyond the warranty period by Supplier form any of the Consortium Banks of BHEL for 10% of total PO Value in the prescribed Format. The PBG confirmation charges shall be borne by vendor.</p> <p>3. Bank Guarantee and Loading against non acceptance of BHEL's Payment Terms: If payment terms as mentioned by BHEL are not agreed by bidder, such bidder have to submit Bank Guarantee at the time of payment/opening of LC in the prescribed Format of the amount, exceeding 80% of the PO value, valid till issue of E&amp;C Certificate for the equipment. However, in no case, payment against dispatch shall exceed 90% of the PO Value. Additionally, for any deviation sought including as mentioned above, in Payment Terms by bidder w.r.t. tender conditions, following loading shall be followed: (A) Benchmark Prime Lending Rate (BPLR) of State Bank of India as applicable on the scheduled date of tender opening +2% for the amount &amp; period of relaxation sought by bidder. (B) On account of payment through LC if insisted by bidder , bank charges shall also be loaded for the deviation in (i) opening of LC by BHEL and (ii) period and amount of LC as per prevailing bank rates.</p>	
7	Time period for Supply and E&C-Capital	<p>1 Bidder should quote time period separately for 'Supply' and 'E&amp;C' of equipment.</p> <p>2 The bidders should quote their earliest schedule for supply and E&amp;C against the schedule indicated in the enquiry. BHEL, however, reserves the right to accept an offer not meeting the enquiry schedule.</p>	

8	Penalty for Delay in supply and E&C-Capital	<p>1 For the purpose of penalty for delay in E&amp;C of the equipment the duration will be reckoned from the date of intimation by BHEL to vendor for readiness of site.</p> <p>2 Penalty on delay in 'Supply' and/or 'E&amp;C' will be applicable to the delays attributed to vendor . Penalty will be considered separately for 'Supply' and 'E&amp;C'. The rate of penalty for delayed Supply shall be @ 0.5% per week of delay of total PO value (Supply+E&amp;C). in supply subject to a maximum of 10% of total PO value (Supply+E&amp;C). The rate penalty for delayed E&amp;C shall be @0.5% per week of delay of total PO Value (Supply+E&amp;C) in E&amp;C subject to a maximum of 10% of total PO value (Supply+E&amp;C) Maximum penalty for delay in Supply and E&amp;C together shall be limited to 15% of total PO value (Supply+E&amp;C).</p> <p>In case PO includes more than one machine, the penalty shall be limited to 0.5% per week of delay on total PO Value(Supply+E&amp;C) for the delayed machine.</p> <p>3 Loading on account of non-acceptance of Penalty for delayed Supply and /or E&amp;C shall be as under: In case any bidder is not accepting the above penalty for delayed Supply and/or E&amp;C, the offer of bidder shall be loaded to the extent to which it is not agreed by the bidder.</p> <p>4 Incase, any shortage is noticed viz-a-viz PO requirement in the main equipment/spares, such shortages shall be replenished by supplier on for destination basis without any cost implication to BHEL i.e. Custom Duty and freight charges etc. up to destination for such short supplies shall be borne by the supplier.</p> <p>5. Supply period indicated by bidder should include reasonable time required for approval of drawings and other inputs form BHEL. In the Techno-Commercial Bid, the bidder</p>	
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	shall submit milestones for various activities in co-relation with Supply and E&C period quoted by him.	
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**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.

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

	<b>OTHER TERMS &amp; CONDITIONS</b>	Volume - 1 Enquiry No 71290471
Vacuum Induction Melting Furnace		

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS ACCEPTANCE / REMARKS
1	Company Performance	Bidder shall furnish specific details of company performance in the enclosed format (A. Capacity details; B. Performance of supplies to BHEL Unit(s).	
2	Integrity Pact (IP) Agreement	<p>BHEL is committed to fostering the most ethical and corruption free environment and values its relationship with all bidders, contractors and vendors. Conducting business in a transparent, fair and corruption free manner will go in a long way in making the vendors and contractors our partners in progress and to reinforce this belief. Integrity Pact' first promoted by Transparency International, an NGO, is a tool to ensure that activities and transactions between a Company or Govt. Department and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. The Bidder has to submit Integrity Pact agreement along with techno-commercial bid, duly signed by the authorized signatory who signs the bid. The IP duly signed by the authorized official of the Bidder/Vendor/Contractor and subsequently signed by the authorized official of BHEL will form part of the purchase order/contract. Only those vendors/ bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification. Pl enclose/attach this document, duly endorsed, to the technical bid only.</p>	

3	Independent External Monitor as per Clause 8 of Integrity Pact (IP)	Sh D P Bagchi, IAS (Retd.) Y-165, Regency Park DLF City, Phase IV Gurgaon,- 122 009	
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**Signature of the bidder with Seal & Date**

	<b>ITEM SPECIFICATIONS</b>	Volume - 2 Enquiry NO 711290471
Vacuum Induction Melting Furnace		

SL.No.	Item		
1	<b>Supply of Vacuum Induction Melting Furnace</b>		
sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	Vacuum Induction Melting Furnace (VIM)	as per below specifications	
A	Specifications		
i	Material Class to be melted	Steel and Ni/Co base super alloys	
ii	Melt Weight / Design Capacity	10-50 kg ( inductor coils of 15, 25 and 50 Kg each)	
iii	Melt Power Supply	175 kW	
iv	Melt Temperature	Max 1650 C	
v	Charging material size	max. Ø 150 x 600 mm	
vi	Mould Dimensions	Max Height 600 mm, Max Length 305 mm, Max Width 305 mm, Max Diameter 430 mm.	
vii	Melting Chamber Final Vacuum	≤ 5 x 10 <sup>-5</sup> mbar	
viii	Melting Chamber Operating Vacuum	10-3 mbar	
ix	Mould Chamber Evacuation Time from atmosphere to 0.05 mbar	75 seconds	
x	Casting operation	Tilt Pour Method	
xi	Mould Heater Type	Cylindrical Induction Heater , 2 zone bottom zone 100mm	
xii	Raise lower speed	0.5-5000 mm/min Servo	
xiii	Mould Lifting & Lowering System	Electromechanical Ram	
xiv	High Vacuum System Pumping Capacity : Melting Chamber	One - Oil vapour diffusion pump 20,000 (l/s) One - Rotary piston pump – 255 m3/hr One - Roots blower -	

		500m <sup>3</sup> /hr	
xv	Rough Vacuum Pumping System:For Melting Chamber, Mould Chamber and Charging Chamber	One - Rotary piston pumps (500m <sup>3</sup> /hr each pump) One - Roots lower(4200m <sup>3</sup> /hr)	
xvi	Melting Rate	3.5 kg/minute to Nickel alloy liquidus (approx 1500 C) at 100% utilisation assuming optimum charge diameter and hot crucible but excluding charging time and temperature measurement	
xvii	Partial Pressure	5-20 mbar (Nitrogen or Argon)	
xviii	Melt Temperature Measurement	Immersion Thermocouple & Infrared Pyrometer (two color)	
xix	Heater Type	Induction coil with graphite susceptor	
xx	Insulation	Rigid Carbon Bonded Carbon Fibre	
B	Other Specifications		
i	Compressed Air & Inert gas	a) Compressed air – 6.0 bar minimum (clean, dry, filtered).b) Inert Gas - 6.0 bar (nitrogen or argon)	
ii	Cooling Water: Continuous flow for vacuum chambers, valves, power supply and vacuum pumps:	Total demand - 500 litres/min @ 5 bar. Inlet temperature 38 C max	
iii	Diffusion Pump	20litres/min @ 4bar Inlet temperature 28 C max	
iv	Emergency water supply:	150 litres/min @ 2.5 bar for 4 hours	
v	Induction power supply (Melting):	205kVA, 400 volts (±5%) 3 phase, 50Hz	
vi	Induction power supply (Heating):	205kVA, 400 volts (±5%) 3 phase, 50Hz	

vii	Vacuum system & auxiliaries:	100 kVA, 400 ( $\pm 5\%$ ) volts, 3 phase, 50 Hz	
C	Scope of Supply		
i	Vacuum melting chamber, 304 stainless steel interior and carbon steel water jacket and sealing flanges		
ii	Vacuum melting chamber access door (hinged)		
iii	Three valved sight glass assemblies. (Two melt chamber, one mould chamber)		
iv	One external viewing lamp		
v	Air admittance valve (melt chamber).		
vi	One Auxilliary equipment charger, carbon steel complete with: - Barstock charger, complete with 2 off barstock gripper assemblies, Isolation gate valve, Rack and pinion driven thermocouple lance		
vii	One Ircan Modline optical pyrometer with sight glass		
viii	Mould chamber manufactured in carbon steel interior and carbon steel water cooling jacket and sealing flanges.		
ix	Mould chamber access door (hinged)		
x	Mould chamber pneumatic isolation valve (600mm dia)		
xi	Electromechanical mould raise/lower mechanism with: - One DS/SX chill plate (430mm dia), One		

	Equiax mould table, also used for alloy development (430mm dia)		
xii	Two zone induction mould heater – (950-1650C)		
xiii	Water cooled cooling ring		
xiv	Air admittance valve (mould chamber)		
xv	Rotating coaxial power feed through assembly (servo motor driven)		
xvi	One 10-50kg melting unicoil assembly		
xvii	175kW, 3000Hz induction power supply (Melting), 140kW, 3000Hz dual switch (2 zone) induction power supply (Heating), (Combined melting and induction mold heater power supply can be used. The power requirements are 175KW for melting and 140KW for 2-zone induction mold heating)		
xviii	Set of interconnecting water-cooled coaxial power leads (Heating and Melting)		
xix	High vacuum pumping system		
xx	Controls Including: PC based supervisory control, Automated melt, Automated pour with teach mode, Automated heater and mould withdrawal profiles, Data logging, Tracking variables		
xxi	Platform assembly drawings		

xxii	Water-cooling manifolds		
xxiii	Interconnecting services (water, air and electrical)		
xxiv	Three sets of operating manuals and drawings in English		
xxv	Pre-dispatch inspection and Hot Testing will be carried out BHEL representatives at supplier's works		
D	Others		
i	INSTALLATION DRAWINGS	A set of installation drawings (in English) to be supplied after the date of the contract and should include: foundation drawings indicating water, air and electrical connection points and requirement.	
ii	MAINTENANCE AND SERVICE MANUALS	Three sets of maintenance and service manuals (in English) will be supplied with the plant, together with a recommended maintenance schedule.	
iii	MANUFACTURING STANDARDS	As per International Standards for design, manufacture of vacuum furnaces.	
iv	PRE DELIVERY ASSEMBLY	The furnace will be assembled in modular form with major sub assemblies tested as individual units prior to shipment. Each major sub assembly will be piped and wired to terminal boxes to aid the installation. All Vacuum chambers are individually helium leak tested and certified by the manufacturer.	
		Manufacturer shall	

v	FURNACE PLATFORMS AND STAIRWAYS	provide the outline drawings to allow the customer to supply the platforms.	
vi	INTERCONNECTING SERVICE MATERIALS	Details of the interconnecting materials are to be provided by the manufacturer for arrangement during complete installation at customer's site.	
vii	AIR SYSTEM	A complete set of solenoid valves are to be supplied for control of the various pneumatic circuits via the PLC.	
viii	WATER SYSTEM	The inlet and return water manifolds are to be supplied by the manufacturer. These are to be manufactured in carbon steel pipe and brass fittings complete with valves, flow sensors, temperature indicators, strainer, pressure relief valves, manual flow control valves, inter connecting pipework, water cooled leads and flexible hoses. The induction coil drain line is to be equipped with a temperature indicator, temperature sensor and flow sensor. Temperature and flow sensors are to be interlocked with an audio/visual alarm system to provide advanced warning of potentially serious furnace malfunctions. To protect the induction coil in the event of line power failure, the necessary arrangement to be furnished, for an emergency supply of cooling water.	

		Manufacturer to supply two solenoid operated valves for customer to connect emergency water supply/drain.	
ix	SAFETY DEVICES	A number of safety devices are to be incorporated in the design of the plant to ensure conformity with statutory regulations and to afford protection of both the plant and the operators. These devices should include: - The diffusion pump is to be fitted with a thermostat, which will shut the pump down in an over temperature condition. - Water flow switches in critical circuits to protect the furnace against water failure or water starvation. - Limit switches for ensuring the correct sequence of the charger, vacuum locks, mould transfer mechanism and chamber doors. - Switches and interlocks for ensuring the correct sequencing of the vacuum valves and pumps. - Motor overload protection. - Air admittance interlock on mould heater is inhibited above 100C	
x	PAINT	All internal carbon steel surfaces will be painted with a low outgassing epoxy based paint suitable for use in high vacuum.	
E	Terms and Conditions		
		Pre-dispatch inspection and Hot Testing will be carried out at supplier's works in presence of BHEL engineers.	

I	PRE DISPATCH INSPECTION	Supplier should despatch the equipment only after inspection and clearance by BHEL Engineers. Suppliers should inform the readiness of the equipment well in advance.	
II	WARRANTY	The materials being supplied shall be under warranty for a period of 30 months from the date of shipment (Bill of lading for import quotes) or 24 months from the date of complete (in total) installation whichever is earlier, if any, in material/ workmanship. Any defective parts noticed by BHEL during the period will have to be replaced at no cost to BHEL.	
III	TRAINING	Offer shall include training for three personnel for a period of ten days during pre-despatch inspection at supplier's works for full operation, programming and maintenance of the ordered item. BHEL shall bear the travel, stay, boarding charges.	
iv	ANNUAL MAINTENANCE CONTRACT	Annual Maintenance Contract(AMC) Charges after expiry of 24 months of standard warranty: The AMC charges to cover the total equipment supplied by the vendor. Please quote AMC charges per year basis in % of order value of Supplies only. The AMC charges shall be added for cost evaluation. BHEL reserves the right to	1. after 2nd year of warranty: % 2. after 3rd year of warranty: % 3. after 4th year of warranty: % 4. After 5th year of warranty: % 5. After 6th year of warranty: %

		place a separate order/orders for AMC Contract for 5 years and /or part thereof before expiry of standard warranty period of 24 months at the (%) rates quoted.	
v	MANUALS	Three sets of operational manuals (both soft and hard copy) in English language should be provided along with the consignment.	
vi	SPARES, free supply	pl mention list of spares, supplied free along with equipment, for trouble free operation during warranty period.	
vii	DELIVERY	Approx. 12 months from date of order placement	
viii	Minimum VIM Furnaces Supplied in India & Abroad	Must have supplied 2 VIM furnaces in India and 2 in foreign countries (Fully operating condition)	
	Manufactures Test Certificate	Manufacturer's Test Certificate required and shall be provided before dispatch.	
2	<b>Erection and commissioning charges of the above furnace</b>		
sl no	Descriptions	BHEL Specifications	Vendor Specifications/ Deviations
	Erection and commissioning charges for the above furnace at site/ BHEL	To be carried out by the OEM trained Engineers at our site/ BHEL R&D. Scope includes start up and prove that all sub systems are functioning correctly and that the plant meets the melting and vacuum specification. A total of two test melts each for DS/SX and Equiax will be performed to demonstrate the system.	

		On completion of these successful melts the furnace is deemed to be accepted by the customer.	
3	<b>Spares, chargeable, if any, furnish item-wise.</b>		
	sl no	Descriptions	BHEL Specifications
		Spares, chargeable, if any, furnish item-wise	Furnish the price list of items to be purchased on extra cost, if any, detailed information to be provided. The supplier to supply the spares at a later date as and when required as per the quoted prices and ensure supply of spares for a period of five years from the date of acceptance.
			Vendor Specifications/ Deviations

\* 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**

**DETAILS OF COMPANY PERFORMANCE (Ref Vol I, Other Terms and conditions, Clause 1; To be enclosed with Technical Bid)**

**A. Capacity Details:**

Manufacturing Capacity of VIM Furnace (VIMF) with Qty	Type of Major VIMF	Qty.
VIMF supplied during last 5 years (Year-wise with Qty.)	Scheduled Supply Period	Actual Supply Period
Outstanding Order Book position (Type of VIMF with Qty. & name of customers*) Liquidation Plan of all VIMFs including BHEL VIMF under consideration for ordering		

\* If any bidder is unable to give name of ALL the customer(s) due to confidentiality restrictions, they may give details without disclosing such customers identity.

**B. Performance of supplies to BHEL:**

Details of POs to be considered in last 5 years shall include (i) Last 5 POs fully executed and (ii) all POs overdue for supply and/or E&C. Details of all VIMFs in the POs to be given.

Sl. No.	Name of VIMF with broad specs.	Name of BHEL Unit	P.O. No. & Date	P.O. Value	Supply Date		Erection & Commissioning		Reason of delay, if any
					As per P.O.	Actual/ Likely	E&C period incl. job prove out as agreed (in days)	Actual / Likely period of E&C completion (in days)	
(D) 1.	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2.									
3.									
4.									

Note: 1. In case bidder has not received any Purchase Order in the last 5 years from any of the Units of BHEL, then 'NIL' should be indicated.

2. Reasons for delay to be explained in details.
3. BHEL reserves the right to reject the offer, if past performance of the bidder is evaluated to be unsatisfactory and/or false information is given by the bidder.

For & On behalf of the Bidder/ Contractor

(Office Seal)

## INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at —BHEL House“, Siri Fort, New Delhi œ 110049 (India) hereinafter referred to as —The Principal“, which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

\_\_\_\_\_’,  
(description of the party along with address), hereinafter referred to as —The Bidder/ Contractor“ which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART.

### Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

## **Section 1 - Commitments of the Principal**

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

## **Section 2 - Commitments of the Bidder(s)/ Contractor(s)**

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution:-

- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant IPC/ PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

### **Section 3 - Disqualification from tender process and exclusion from future contracts**

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors" framed by the Principal.

### **Section 4 - Compensation for Damages**

4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/Bid Security.

4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

### **Section 5 - Previous Transgression**

5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

## **Section 6 - Equal treatment of all Bidders/ Contractors/ Sub-contractors**

- 6.1 The Bidder(s)/ Contractor(s) undertake(s) to obtain from all subcontractors a commitment consistent with this Integrity Pact and report Compliance to the Principal. This commitment shall be taken only from those sub-contractors whose contract value is more than 20 % of Bidder's/ Contractor's contract value with the Principal. The Bidder(s)/ Contractor(s) shall continue to remain responsible for any default by his Sub-contractor(s).
- 6.2 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- 6.3 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

## **Section 7-Criminal Charges against violating Bidders/Contractors/Sub-contractors**

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

## **Section 8 -Independent External Monitor(s)**

- 8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.

- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- 8.5 As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or heal the situation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- 8.6 The Monitor will submit a written report to the CMD, BHEL within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- 8.7 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.
- 8.8 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant IPC / PC Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.9 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.

8.10 The word "Monitor" would include both singular and plural.

### **Section 9 - Pact Duration**

9.1 This Pact begins and shall be binding on and from the submission of bid(s) by bidder(s). It expires for the Contractor 12 months after the last payment under the respective contract and for all other Bidders 6 months after the contract has been awarded.

9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified as above, unless it is discharged/ determined by the CMD, BHEL.

### **Section 10 - Other Provisions**

10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders/ contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

-----  
For & On behalf of the Principal  
(Office Seal)

-----  
For & On behalf of the Bidder/ Contractor  
(Office Seal)

Place-----

Date-----

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

(Name & Address) \_\_\_\_\_  
\_\_\_\_\_

(Name & Address) \_\_\_\_\_  
\_\_\_\_\_

**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 :



# Bharat Heavy Electricals Limited

Corp. R&D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (INDIA)

RD:MPX:F-13

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

## VENDOR REGISTRATION FORM

(Indigenous supplier)

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

Before filling, please refer to instructions on page-4

### 1.0 VENDOR PROFILE:

1.1 Name and address of the vendor:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone Nos.:

Fax No.:

Email: 1.

2.

1.2 Local representative name & address in Hyderabad/Secundrabad :

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone Nos.:

Fax No.:

Email:

Contact Person:

Mobile No:

### 2.0 TYPE OF ORGANISATION:

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

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

**3.0 ANNUAL TURN OVER:**

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

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

4.1 Bank Name

4.2 Branch name

4.3 Account number

4.4 Account Type

4.5 MICR Code:

4.6 IFSC Code(RTGS/NEFT):

4.7 Bank Phone number(s),

Blank cheque, duly cancelled, to be enclosed.

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

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

5.1 IT Permanent Account No.(PAN):

5.2 State Sales Tax/VAT Registration No:

5.3 Central Sales Tax Registration No:

5.4 ED Registration No:

5.5 Service Tax Registration No:

5.6 PF Account No:

5.7 Labour Licence No:

5.8 ESI Account No:

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

Designation:

Phone / Mobile No:

**7.0 TOTAL NUMBER OF EMPLOYEES:**

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

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

#	Products/ Services	Capacity
1		
2		
3		
4		
5		
6		

**9.0 REFERENCE LIST :**

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

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

**10.0 INFRASTRUCTURE / FACILITIES:**

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

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

#	Unit	Registration No	Year
1			
2			
3			
4			

**12.0 ANY OTHER INFORMATION :**

DECLARATION:

The information furnished above is true and authentic.

(CEO / PROPRIETOR)

SEAL:

DATE:

---

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 brouchers and catalogues)

1.10 NAME(S) OF BANKERS

1.11 BANKER S CERTIFICATE

1.12 PORT OF LOADING

1.13 NEAREST AIRPORT

1.14 NAME OF THE INDIAN AGENT, IF ANY  
WITH AUTHORIZATION LETTER

**2.0 FINANCIAL INFORMATION:**

2.1 TOTAL CAPACITY

2.2 ANNUAL TURN OVER FOR LAST 3 YEARS

2.3 WHEHER CREDIT LICENSE ACCEPTABLE YES/NO

**3.0 QUALITY MANAGEMENT SYSTEMS**

ENCLOSED FORMAT PART-B

3.1 EXPERIENCE LIST FOR SAME/ SIMILAR ITEMS  
TO BE ENCLOSED

**4.0 FUTURE EXPANSION PLANS:**

(Give details)

**5.0 LIST OF ENCLOSURES:**

(Including brouchers, catalogues, technical literature etc)

**6.0 ANY OTHER INFORMATION:**

SIGNATURE OF SUPPLIER (Authorized signatory)

NAME :

DESIGNATION :

DATE :

OFFICIAL SEAL

---

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

## CONTRACT EXECUTION BANK GUARANTEE BOND

This deed of guarantee made this ..... day of ..... 2012 . by the..... Bank Ltd, (hereinafter referred to as "the Bank") in favour of Bharat Heavy Electricals Limited, Corporate Research and Development division, Vikasnagar, Hyderabad, Andhra Pradesh, india-500093 having its registered Office at New Delhi with its Unit Office at Hyderabad (herein after called BHEL) where as M/s..... having its registered office at ..... (hereafter called the "the Contractor") have entered in to contract with BHEL for the supply of ..... vide Purchase Order No ..... dated .....

1. We ..... Bank Ltd, do hereby undertake to pay to BHEL an amount not exceeding Rs..... against any loss or damage caused to or suffered or would be caused to or suffered by BHEL by reason of any breach by the said Contractor of any of the terms or conditions contained in the said Purchase Order.
2. We, ..... Bank Ltd, do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from BHEL stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by BHEL by reason of any breach by the said Contractor of any of the terms or conditions contained in the said Purchase Order or by reason of the Contractor's failure to perform the said Purchase Order. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs/.....
3. We, ..... Bank Ltd, further agree to the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Purchase Order and that it shall continue to be enforceable till all the dues of BHEL under or by virtue of the said Purchase Order have been fully paid and its claims satisfied or discharged or till BHEL certifies that the terms and conditions of the said Purchase Order have been fully and properly carried out by the said Contractor and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the ..... we shall be discharged from all liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date the claim shall be enforceable **and Payable only by any one of the BHEL Consortium Banks in India (List is attached herewith)** notwithstanding the fact that the said enforcement is effected after the said date
4. For the purpose of this clause, any letter making demand on the Bank by BHEL dispatched by Registered Post with Ack. Due or by Telegram or by any Electronic media addressed to the Bank **(any one of the BHEL Consortium Banks as per list attached as selected by the vendor)** shall be deemed to be the claim / demand in writing referred to above irrespective of the fact as to whether and when the said letter reaches the Bank, as also any letter containing the said demand or claim is lodged with the Bank personally.
5. We,.....Bank Ltd, further agree with BHEL that BHEL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Purchase Order or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by BHEL against the said Contractor and to forbear or enforce any of the terms and conditions relating to the said Purchase Order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor or for any forbearance, act or omission on the part of BHEL or any indulgence by BHEL to the said Contractor or by any such matter of thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.
6. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Hyderabad/ Secunderabad, Andhra Pradesh, India.

We, ..... Bank Ltd, lastly undertake not to revoke this guarantee during its currency except with the previous consent of BHEL in writing.

In witness whereof we..... (indicate the name of Bank) have hereunto setout Bank Seal the..... day ..... month 201

**The contact details of the Issuing Bank such as Email ID, Phone No. and Fax No. should be indicated in the CEBG. Also please note that the CEBG should be forwarded to us with the covering letter of the issuing Bank with signature and seal.**

- 
- 1) It should be typed in the Rs. 100 value of stamp paper.
  - 2) It should be signed by TWO bank officials with Rubber stamp containing names & employee numbers of bank officials.
  - 3) It should be submitted with bank covering letter with sign and seal of the bank official.

**Please note that issuance of the CEBG without meeting the above requirement will render the document invalid.**

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## BANK GUARANTEE ( BG)/ Performance Bank Guarantee (PBG) format

1. THIS DEED OF BANK GUARANTEE MADE THIS            DAY OF            MONTH OF YEAR  
---- by ----- (name & address of the BANK) ( herein after called the **BANK**) in favour of M/s Bharat Heavy Electricals Limited, Corporate R&D, Vikasnagar, Hyderabad - 500 093, Andhra Pradesh, having its registered head office at BHEL House, Siri Fort, New Delhi - 110 049, India (herein after called the **COMPANY**).
2. WHERE AS the **COMPANY** placed a purchase Order on M/s ----- (supplier name) having registered office at ----- (address) (hereinafter Called the **CONTRACTOR**) for Manufacture, Supply, Erection & Commissioning of ----- vide Purchase Order No.----- dated -----for Rs.----- (Rupees -----only)(hereinafter called the **CONTRACT** (which expression shall include all amendments thereto).
3. AND WHEREAS one of the conditions for placing such **CONTRACT** is that the **CONTRACTOR** shall provide the **COMPANY** with **BANK GUARANTEE** to an extent of Rs. --- ----- (**Rupees ----- only**) in pursuance and completion of the terms and conditions of the said **CONTRACT** for the performance of the said **CONTRACT**.
4. AND WHEREAS the **CONTRACTOR** have approached the **BANK** and at their request and in consideration of the arrangement bond arrived at between the said **CONTRACTOR** and the said **COMPANY**, We, the **BANK** have agreed to give such **GUARANTEE** (hereinafter called as **GUARANTEE**) mentioned to the aforesaid **COMPANY**.
5. NOW therefore, these present witness that, We, the **BANK**, by the hand of Shri, -----, its lawfully and duly constituted attorney, do hereby undertake to pay without demur to the aforesaid **COMPANY** a sum of Rs. ----- (**Rupees ----- only**) on demand being made by the said **COMPANY** and to keep the said **COMPANY** indemnified to the extent of Rs.----- (**Rupees ----- only**) by virtue of this **GUARANTEE** against any loss/damage caused to /suffered by the said **COMPANY**, by reason of any breach by the aforesaid **CONTRACTOR** of any of the terms and conditions, stipulations or undertakings or anyone of them contained in the said **CONTRACT** (s) and the tender documents and for the payment of any money payable by the said **CONTRACTOR** to the said **COMPANY** under the terms and conditions of the said **CONTRACT** (the decision regarding the breach, loss, damage or payment due being solely in the **discretion** of the said **COMPANY**). We, the **BANK**, further undertake to pay the aforesaid amount in a lump sum on demand without demur or such part thereof the **COMPANY** may demand from time to time, irrespective of the fact whether the said **CONTRACTOR** admit, or denies such claims or questions its correctness in any Court, Tribunal or Arbitration proceedings before any authority.
6. The aforesaid **GUARANTEE** will remain in force and we shall be liable under the same irrespective of any concession or time, being granted by the said **COMPANY** to the **CONTRACTOR** and the **COMPANY** and **GUARANTEE** will **remain in full force** irrespective of any change of terms, conditions or stipulations or any variations in the terms of said **CONTRACT(S)** irrespective of whether notice of such **change and or variation is given to us or not** and claim to receive such notice of any change and or variation of terms and conditions of the said **CONTRACT** (s) is hereby specially waived off by us. Further, we shall not be released from this **GUARANTEE** by any forbearance or exercise or non exercise of any of the powers or rights under the said **CONTRACT(S)** by the **COMPANY** against the **CONTRACTOR** irrespective of whether notice of such forbearance, enforcement or non-enforcement of any powers or rights, modifications or change made in said **CONTRACT** (s) or concession shown to **CONTRACTOR**

7. The **GUARANTEE** herein contained shall not be determined or affected by the liquidation or winding up or insolvency or change in the constitution of the **CONTRACTOR** but shall in all respects and for all purposes be binding and operative until all payment of all monies due or that may hereafter become due to the said **COMPANY** are settled irrespective of any liability or obligation of the **CONTRACTOR** under the said **CONTRACT**.
8. A reference to this **GUARANTEE** in the **CONTRACT** placed already but pending as on date shall be sufficient to bind the **BANK** in respect of their liability under this **GUARANTEE** and this **GUARANTEE** shall be read as an integral part of the **CONTRACT**.
9. We, the **BANK**, further agree that the **GUARANTEE** herein contained shall remain in full force and effect during the period that would be taken for the performance of the said **CONTRACT** and that it shall continue to be enforceable till all the dues of the **COMPANY** under by virtue of the said **CONTRACT** have been fully paid and its claims satisfied or discharged or till the **COMPANY** certifies that the terms and conditions of the said **CONTRACT** have been fully and properly carried out by the said **CONTRACTOR**.
10. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the courts at Hyderabad/ Secunderabad, Andhra Pradesh-India, only.
11. The **Bank** declares that the BG is enforceable in Hyderabad/ Secunderabad, AP where the **Company** is located, from their branch ----- (Branch address of the Bank). *(this clause is to be incorporated in case the BG is from non-consortium banks)*.
12. AND lastly the **BANK** undertakes not to revoke this **GUARANTEE** during its currency except with the prior consent of the **COMPANY** in writing.
13. The **BANK** declares that it has powers to issue this **GUARANTEE** under the **BANK**'s memorandum and articles of association and the undersigned has full powers to do so on its behalf under the powers of Attorney granted to him by the proper authorities of the **BANK**.
14. Notwithstanding anything to the contrary contained herein before, our liability is restricted to **Rs. ----- (Rupees ----- only)**. This **GUARANTEE** is valid up to ----- from the date of execution of this deed and a claim period of 2 months beyond the validity date. Unless a written demand is served under this **GUARANTEE** within 2 months from the end of the above said validity period all the rights of the **COMPANY** under the **GUARANTEE** shall be forfeited and we, the **BANK**, shall be released and discharged from all liability there under.

Dated this ----- Day of ----- Month of Year -----.

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 Signature of the person duly  
 Authorized to sign on behalf of  
 The bank with full address and  
 Office seal.

WITNESS:

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## **CHECK POINTS FOR FURNISHING THE BANK GUARANTEE (BG) AND CEBG**

1. The bank guarantee (BG) should be submitted on Rs. 100/- Non judicial stamp paper or part values totaling to Rs.100/-
2. The Non-judicial stamp paper should be purchased by the issuing bank.
3. The BG should be forwarded along with Banker's covering letter, with signature and seal. The contact details of the Issuing Bank such as Contact person(s), designation, Email ID, Phone No. and Fax No. should be indicated in the document
4. All the details in the blanks to be filled by typing, failing which every hand written entry / corrections should be attested with stamp.
5. The executor (bank authorities) is required to mention the power of attorney no. and date of execution in his favour authorizing him to sign the document.
6. Witnesses column should invariably be signed by the bank officials with name and designation.
7. Clear cut claim period of 2 months beyond the validity date, should be provided as per clause 14.
8. BG No. and date should be mentioned in all pages of BG. All pages should be endorsed/ signed by the executor(s)
9. Please note BG. from co-operative banks are not acceptable.
10. BG. from our consortium banks are preferable. (Our consortium banks list is enclosed).
11. **In case of BG. from non consortium bank (private or public sector bank) the clause no. 11 has to be mentioned with full address of the bank's branch at Hyderabad.**
12. In case of BG issued by foreign Bank, it may be confirmed by our consortium bank in India.
13. BG. of other banks (banks other than consortium banks, public sector banks and cooperative banks), can be accepted if their net worth is more than Rs. 500 crores as on last balance sheet date.( a certificate and copy of latest balance sheet to be given by the bank at the time of giving bank guarantee)

<b>List of Consortium Banks</b>			
<b>A</b>	<b>Nationalised Banks</b>	<b>B</b>	<b>Public Sector Banks</b>
1	Allahabad bank	20	IDBI
2	Andhra bank	<b>C</b>	<b>Foreign banks</b>
3	Bank of Baroda	21	CITI Bank N.A
4	Canara Bank	22	Deutsche Bank AG
5	Corporation bank	23	The Hongkong and Shanghai Banking Corporation Limited
6	Central bank	24	Standard Chartered Bank
7	Indian Bank	25	The Royal Bank of Scotland N.V.
8	Indian Oversea Bank	26	J P Morgan
9	Oriental bank of Commerce	<b>D</b>	<b>Private bank</b>
10	Punjab National Bank	27	Axis Bank
11	Punjab & Sindh Bank	28	The Federal Bank Limited
12	State Bank of India	29	HDFC
13	State Bank of Hyderabad	30	Kotak Mahindra Bank
14	Syndicate Bank	31	ICICI
15	State Bank of Travancore	32	Indusind Bank
16	UCO Bank	33	Yes Bank
17	Union Bank of India		
18	United Bank of India		
19	Vijaya Bank		