

**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR WESTERN REGION, NAGPUR**

ENQUIRY NO. 13039 E

ENQ DT.12.08.2013

DUE DATE : 26.08.2013

To	OUR E-MAIL	dkbhagat@bhelpswr.co.in arti@bhelpswr.co.in
M/s	ENQUIRY NO :	13039 E
	ENQ.DATE	12.08.2013
	DUE DATE & TIME	26.08.2013

Important Information

- 1. This Tender is a Two-Part Bid.**
- Bidder has to submit "No deviation certificate" along with the offer. For any clarification/query, the mail shall be addressed to dkbhagat@bhelpswr.co.in & arti@bhelpswr.co.in
- This enquiry format along with the price format shall be submitted duly filled and signed with company seal.

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4. PURCHASE ENQUIRY

Dear Sir,

Kindly submit your quotation by ~~E-Mail~~ / Courier / Fax / Speed Post / Registered Post / ~~Air-Mail~~ in **Two Parts bid viz Technical cum Commercial Bid & Price Bid**. For the material indicated below confirming acceptance to the terms and conditions enclosed, so as to reach us by post **on or before the due date, Time 03.00 PM**. Quotation may be sent by Fax only if asked so by BHEL / with prior permission of BHEL.

S.No	Description of Material	Unit	Qty	Delivery Schedule	Material Required at (Destination)
1.	SUPPLY LOW RANGE PLATINUM RESISTANCE THERMOMETER AS PER ANNEXURE-I	Nos.	200	WITHIN 20 DAYS FROM PO DATE	BHEL PSWR-HQ-NAGPUR, 'SHREEMOHINI' COMPLEX, 345 KINGSWAY, NAGPUR - 440001

A) GENERAL TERMS AND CONDITIONS OF CONTRACT

Cl. No.	DESCRIPTION
1)	<p>Technical cum Commercial Bid' and 'Price Bid' shall be sealed in two separate envelopes. Both these sealed envelopes shall bear distinct identification with regard to the type of bid and Enquiry number. These two sealed envelopes shall then be kept in a third envelope and superscripted with correct Enquiry No. and Due Date & time. The outer cover should be addressed to the issuing authority (as mentioned below) of this enquiry and shall also bear the name and address of the bidder.</p> <p>Address : ENGINEER-PURCHASE BHARAT HEAVY ELECTRICALS LIMITED, POWER SECTOR WESTERN REGION, SHREE MOHINI COMPLEX, 345 KINGSWAY, NAGPUR-440001 (MAHARASHTRA)</p> <p>Tender should be free from OVERWRITING AND ERASURES. Bidder's authorized signatory must attest corrections, if any. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount in figures and words, amount quoted in words shall prevail.</p> <p>It is the responsibility of bidder to submit their offer within due date & time as mentioned in this enquiry. BHEL shall NOT be responsible for any loss/damage to the offer submitted by the bidder.</p>
2)	<p>Technical bid will be opened at 3.30 PM on Due Date. The Technical cum Commercial bid should accompany with a copy of this enquiry duly signed & stamped on all pages as a token of acceptance of Technical & Commercial T & C and copy of documents like authorized dealership certificate, earlier supply order details of similar equipment and their performance feedback from customers, company profile and present status, product catalogue of the models offered, technical specifications of the product, commercial Terms & Conditions and other relevant documents etc. Please fill up all the columns of all formats of this enquiry.</p> <p>Price bid should be submitted as per the 'Price Format' given in this enquiry. Quotations not accompanying filled in 'Price Format' are likely to be rejected. Terms and condition if any enclosed with price bid, shall not be considered. Tenders received as single bid indicating the price is liable to be rejected.</p>
3)	Price bid of technically accepted bidders only will be opened. No revision of prices will be entertained after Tenders are opened, unless mentioned in our enquiry / asked so by BHEL.
4)	Manufacturer's name, Trade Mark or Patent No. if any, shall be specified in the Technical cum Commercial Bid
5)	Please mention the relevant national / international standard code of the product quoted for in the Technical cum Commercial bid.
6)	The purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.
7)	Late tenders (received after Due Date) will be rejected.
8)	Price quoted shall be valid for 60 days from the date of opening
9)	Price shall be quoted as per enclosed 'Price Format' only. Quotations not accompanying filled in 'Price Format' are likely to be rejected. Please fill in all the columns of all formats

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10)	The price quoted should be as applicable to DGS & D (Govt. of India) and other Govt. Organizations. In case DGS & D rate / Running Contract is not existing, but a contract is in vogue with any BHEL Unit, reference of the same shall be furnished and same may be applicable to this contract.
11)	SECURITY DEPOSIT: The supplier shall have to furnish Security Deposit (Cash/DD/Bank Guarantee from a Scheduled Bank) if so specified in the tender under Special Terms & Conditions.
12)	PACKING AND MARKING: The supplier shall arrange for secure protective packing of the goods suitable for tropical conditions to avoid loss, damage, atmospheric action during handling and transit. The packing standards will comply with relevant national standard/carrier's conditions of packing or established practice. If any damage is sustained and the carrier or underwriter attributes it to improper packing, the seller shall be liable to replace the material or reimburse the value of the loss notwithstanding any transit insurance arranged by him or not. The following marking shall be made on each package in black bold letters. NAME & ADDRESS OF CONSIGNEE, DIMENSION OF PACKAGE, WEIGHT DETAILS: GROSS, TARE & NETT These markings should be stenciled or written in bold letters on the package. Should the package be small, suitable cards/metal tags giving these details may be tagged or nailed
13)	INSPECTION: Final inspection will be carried out the destination/site/Purchaser's works by the authorized inspecting Officer, if so specified in the tender under Special Terms & Conditions. Whenever preliminary or stage inspection is to be carried out at supplier's works the same is subject to final acceptance after receipt of the material at the destination/Purchaser's works and the decision of the purchaser shall be final. The propriety of goods shall not pass until final acceptance by the purchaser
14)	REJECTION: The seller shall intimate the purchaser in writing within 15 days (after being intimated about rejection of goods) regarding disposal action of the rejected material. If no advice is received within this time the purchaser shall be at liberty to return the material at the cost and risk of the seller after receiving the cost if any paid by the Purchaser including inward freight and other incidental charges. The Purchaser will not be responsible for the rejected material thereafter and no claim will rest on him.
15)	Delivery: Purchaser shall not be liable to receive and pay for any supply made after delivery date stipulated in the order unless the delivery date is formally extended by the purchaser. Wherever the terms of delivery of the order is other than F.O.R. destination, delivery date will be reckoned as the date of dispatch or the date of readiness after inspection of the material where the Purchaser has agreed for inspection or collection.
16)	TEST CERTIFICATE: The seller shall carry out such tests as prescribed by the purchaser / as required in accordance to the relevant national or international standards, in his works and/or and other places as stipulated in the order. Necessary test certificate shall be submitted with delivery of materials. The seller shall also provide at no extra cost the required number of catalogues, drawing and other manuals related to materials under this order.
17)	TERMS OF PAYMENT: Payment will normally be made within one month of receipt of material in good condition at destination. Any other payment terms have to be mutually agreed. The seller shall send dispatch documents, invoice etc. in such quantum and a manner as provided in the order. (I) It is expressly understood that in the event of rejection of the materials for which payment has been made against document's through bank the Purchaser reserves the right to claim from the seller the amount paid and the incidental charged incurred in the same manner i.e. negotiating return dispatch documents, through Bank and the Seller shall honour such claim and retire the documents from the Bank. (ii) Bank charges for any payment claimed through Bank shall be borne by the seller and the seller shall also agree to bear any demurrage or other charges arising out of any delay in retirements or documents from Bank due to delayed, insufficient incorrect information furnished. (iii) The seller shall also ensure that the Carriers do not delay dispatch of the consignment once the carrier's receipt is obtained.
18)	GUARANTEE WARRANTY: The materials shall be warranted for design material and workmanship and also for performance warranty as specially stipulated by the purchaser in the order in its annexure.
19)	INSURANCE: Wherever specifically agreed to and directed, the supplier will insure the goods for all transit risks upto delivery of the goods at the final destination. In all other cases supplier must furnish particulars of dispatch for each consignment immediately after the dispatch of goods. Failure to do this will make the supplier responsible for making good any loss, which otherwise might have been recovered from underwriters.
20)	DELIVERY FAILURE, TERMINATION & LIQUIDATED DAMAGE: The parties hereto agree that the timely dispatch/delivery and completion of the other schedules as stipulated in order/contract shall be the essence of the Order/Contract. If the seller/contractor fails to complete the dispatch/ delivery and other schedules within the time period stipulated in the order/contract, or within any extension of time granted by the purchaser, it shall be lawful for the purchaser to recover damages for the breach of order/contract without prejudice to any other rights and/or remedies provided for, in order/contract and hereunder. The purchaser reserves the right to recover from the Seller/Contractor, as agreed liquidated damages and not by

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	way of penalty, a sum equivalent to half percent {½% of the total contract price per week part thereof, subject to a maximum of ten percent @ 10%} of the total contract price excluding elements of taxes, duties and freight, if seller/contractor has failed to deliver any part of the goods within the period stipulated in the Order/Contract.
21)	The purchaser reserves the right to purchase from elsewhere on account of and at the risk and cost of the seller /contractor without notice to the seller /contractor of goods not so delivered or their equivalent , without canceling the order/contract in respect of the goods not yet due for delivery. The purchaser reserves the right to cancel the order/contract or a portion thereof for the goods not so delivered at the risk and cost of the seller/contractor and the seller/contractor shall be liable to the purchaser for any excess costs thereof.
22)	RISK PURCHASE : In the event the supplier has failed to deliver or dispatch whole of the goods or any part within the time stipulated or if the same were not available in his stock, the best and the nearest available substitute thereof may be purchased/arranged by purchaser from elsewhere at the risk and the cost of the seller. The purchaser at his option will be entitled to terminate the contract and seller shall be liable for any loss which the purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in clause 12 above.
23)	PREFERENTIAL DELIVERY : It should be noted that if an Order is placed on a higher tenderer as a result of this invitation to tender, in preference to the lowest acceptable offer in consideration of the earlier delivery, the seller will be liable to pay the purchaser the difference between the contract rate and that of the lowest acceptable tender on the basis of final price F.O.R. destination including all elements of freight, sales tax, duties and other incidentals in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and contract.
24)	This order or any part thereof shall not be sub-contracted without the purchaser's consent.
25)	METRIC SYSTEM: Supplier is requested to indicate metric system measurements in all documents.
26)	INDEMNITY: The Seller shall indemnify the Purchaser against any claim due to any breach of patent, negligence, defective material or injury to seller or his agent.
27)	In the event of any reduction in the price, due to change of Govt. duties after award to the work and before delivery commencement, purchaser is entitled to such reduction and may negotiate fresh price at its discretion.
28)	GENERAL: The purchaser reserves the right to split up the tender and place orders for individual item on different suppliers and also increase or decrease the quantity.
29)	DISPUTES & ARBITRATION: All cases of disputes will be resolved according to the Indian Arbitration Act 1940
30)	FORCE MAJEUR: Acts of God, Acts of Government, War, Sabotage, Riots, Civil commotion, Police action, Revolution, Natural Calamities, Epidemic and other similar causes over which the supplier has no control, will amount to Force Majeure. Delay attributable to Force Majeure will be condoned; however the onus of establishing the reason of delay lies with the Supplier.
31)	<p>Important Note:</p> <p>31.1) IF L-1 BIDDER IS OTHER THAN Micro and Small Scale Enterprises (MSEs).</p> <p>a) In tender, participating Micro and Small Scale Enterprises (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 (L1+15%), L-3 onwards bidders will be given opportunity to match the L-1 prices, provided their predecessors in terms of Price standing refuses to match L-1 prices.</p> <p>b) Total tendered quantity shall be divided as follows: In the ratio of 80:16:4 (if L-1 bidder is non MSE), where 80% order will be placed on L-1 bidder, 16% on MSE and 4% on MSE (owned by SC/ST) subjected to following conditions:</p> <ul style="list-style-type: none"> • MSEs Matches L-1 price. • If no MSE owned by SC/ST has participated in the tendering process, portion earmarked (4%) will be awarded entirely to other MSE (not owned by SC/ST) i.e. total 20% will be awarded to them. <p>c) If no MSE matches the L-1 price, than entire order shall be awarded to L-1 bidder.</p> <p>31.2) IF L-1 BIDDER IS Micro and Small Scale Enterprises (MSEs) (NOT OWNED BY SC/ST).</p> <p>In tender, participating MSEs, owned by SC/ST, 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. MSE (owned by SC/ST) shall be allowed to supply up to 20% of total tendered value/quantity. In case of more than one such MSE (L-1+15%), L-3 onwards bidders will be given opportunity to match the L-1 prices, provided their predecessors in terms of Price standing refuses to match L-1 prices.</p> <p>31.3) IF L-1 BIDDER IS Micro and Small Scale Enterprises (MSEs) (OWNED BY SC/ST).</p>

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	<p>100% order will go to the L-1 bidder.</p> <p>31.4) Participating MSEs should be registered with District Industries Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom and their ownership is established in case they are claiming the portion earmarked for MSEs owned by SC/STs.</p> <p>31.5) Bidder who is claiming 4% of the quantity earmarked for MSEs owned by SC/STs are required to submit the documentary evidence to establish the ownership of MSE firm.</p> <p style="margin-left: 40px;">a) In case of proprietary MSE, proprietor(s) shall be SC/ST</p> <p style="margin-left: 40px;">b) In case of partnership MSE, the SC/ST partners shall be holding at least 51% shares in the unit.</p> <p style="margin-left: 40px;">c) In case of Private limited companies, at least 51% share shall be held by SC/ST promoters</p> <p>Bidder should also mention the same in their techno-commercial bid. After opening of Price bids no such claim shall be entertained.</p> <p>31.6) MSEs will be given tender documents free of cost and are exempted from payment of earnest money (EMD).</p>
32)	<p>Please Note:</p> <p>a) Interested bidders may collect hard copy of Tender documents from this Office on all working days.</p> <p>b) BHEL takes no responsibility for any delay/loss of documents or correspondences sent by courier/post.</p> <p>c) BHEL reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever.</p> <p>d) Dates of Price Bid opening/Reverse Auction will be intimated to Techno Commercially Qualified Bidders later.</p> <p>e) All corrigenda, addenda, amendments and clarifications to Tender Specifications, revised Tender Submission Dates; etc will be hosted in the web page (www.bhel.com → Tender Notifications → View Corrigendum) and NOT in the newspaper. Bidders shall keep themselves updated on all such updates.</p>
33)	<p>a) Seeking Clarifications on Tender Specification:</p> <ul style="list-style-type: none"> • Clarifications on the Tender Specifications, if any, may be sought by the bidders so as to reach this office at least seven days before the Due Date for submission. <p>b) Supporting Documents:</p> <ul style="list-style-type: none"> • Bidders shall submit documents in support of possessing “Qualifying Requirements” as under duly self-certified and stamped by the authorized signatory. • LATE TENDER: Tender received after the specified time of submission will be rejected. • Offers must be submitted without any deviation. • Offers received with any deviation or without relevant information as described above are liable to be rejected. • Price bids received in the form other than specified in Price Bid are liable to be rejected. • Bidder must sign & stamp all pages of this tender specification as an acceptance of tender conditions and must enclose this tender specification with their offer.
34)	<p>Language:</p> <p>A) The tenderer shall quote the rates in English language and international numerals. These rates shall be entered in figures as well as in words. For the purpose of the tenders, the metric system of units shall be used.</p> <p>B) All entries in the tender shall either be typed or written legibly in ink. Erasing and over-writing is not permitted and may render such tenders liable for rejection. All cancellations and insertions shall be duly attested by the tenderer.</p>
35)	<p>In case of any contradictions between General and special terms and conditions, the provisions in Special Terms & Conditions will prevail.</p>

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SPECIAL TERMS AND CONDITIONS OF CONTRACT

Cl. No	DESCRIPTION
1.	Earnest Money Deposit (EMD): Refundable, Non-interest bearing EMD of Rs. 60,000/- (Rs. Sixty Thousand only) is applicable for this Enquiry. EMD shall be paid ONLY by Account Payee Demand Draft in favour of "Bharat Heavy Electricals Limited" payable at Nagpur along with the technical bid.
2.	Materials should be supplied along with Calibration certificates, guarantee/warranty certificates, O & M Instruction manual and test certificate. Materials supplied without these documents shall not be accepted.
3.	Bidder should be manufacturer / authorized dealer / distributor for the quoted product. (In case of authorized dealer/distributor: Authorization certificate should be enclosed.)
4.	Bidder must necessarily comply with the technical specification of Low Range Platinum Resistance thermometer as per Annex-I. Bidder's offer shall be disqualified in non-conformance to Annex-I.
5.	Tender should be submitted in two parts (1) technical bid comprising product catalogue, copy of relevant Indian Standards and Commercial Terms and conditions as enclosed. And (2) Price bid in prescribed price format in a separate sealed envelope. (Split up of Basic rate, Excise Duty, Sales tax / VAT must be furnished in the price bid)
6.	Quoted Rates: Bidders shall quote rates on F.O.R. Destination basis. Transit Insurance will be covered under Open Marine Insurance policy of BHEL.
7.	Evaluation of Total Price: Offers will be evaluated based on total price and also by considering the input credit of Excise Duty offered by the vendor (i.e. total landed cost including taxes, duties and freight minus ED paid for the same).
8.	Prices shall be quoted in the Price bid format given along with the Enquiry. Bidder shall indicate the item rates in the Price Bid format only.
9.	Short Closure: BHEL may short close the contract at any stage without assigning any reasons.
10.	OCTROI at destination: Applicable OCTROI at destination will be in BHEL account. However, bidder shall make the OCTROI payment and the same shall be reimbursed by BHEL on production of original OCTROI receipt.
11.	The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site (www.bhel.com ---> Tender Notification ---> List of Banned Firms).
12.	Payment Terms: 80% payment of Supply value shall be made within 45 days from the date of receipt of material at destination and on submission of complete documents to BHEL-PSWR Hqr., Nagpur. Balance 20% shall be released on submission of Performance Bank Guarantee (PBG) valid for 30 days beyond the Warranty period by supplier from any of the consortium Banks of BHEL for 10% of total PO value in prescribed format. The PBG confirmation charges shall be borne by vendor.
13.	Bidder to submit "Un Priced Price format" duly filled and signed along with the technical bid.
14.	In case bidder fails to supply the material as per delivery schedule of this tender, LD shall be levied as per clause no.20 of GCC of this tender specification.
15.	BHEL reserves the right to reject or accept the tender without assigning any reasons whatsoever.
16.	This is to inform you that BHEL has switched on to payment through Electronic Fund Transfer (EFT)/ RTGS. The following details are to be furnished by you pertaining to your Bank Accounts where proceeds will be transferred through our Banker: <ol style="list-style-type: none"> 1. Name of the Company 2. Name of Bank 3. Name of Bank Branch & Branch Code 4. City 5. Account Number 6. Account type 7. IFSC code of the Bank Branch 8. MICR Code of the Bank Branch

Thanking you,

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LTD.
ENGINEER (PURCHASE)

CERTIFICATE OF NO DEVIATION

TENDER SPECIFICATION No. : 13039 E

I/WE, M/s

HEREBY CERTIFY THAT NOT WITHSTANDING ANY CONTRARY INDICATIONS / CONDITIONS ELSEWHERE IN OUR OFFER DOCUMENTS, I/WE HAVE NEITHER SET ANY TERMS AND CONDITIONS NOR THERE IS ANY DEVIATION TAKEN FROM THE CONDITIONS OF BHEL'S TENDER SPECIFICATIONS, EITHER TECHNICAL OR COMMERCIAL, AND I/WE AGREE TO ALL THE TERMS AND CONDITIONS MENTIONED IN BHEL'S TENDER SPECIFICATION WITH ASSOCIATED AMENDMENTS & CLARIFICATIONS.

I/WE ALSO HEREBY CONFIRM ANY TERMS AND CONDITIONS RECORDED/SET BY US IN ANY PART OF THE TENDER AND ITS RELATED REFERENCE ARE CONSIDERED NULL AND VOID AND WITHDRAWN BY US.

SIGNATURE OF THE TENDERER

DATE:

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A) TECHNO-COMMERCIAL TERMS & CONDITIONS

SN	DESCRIPTION OF T & C	TERMS & CONDITIONS AS QUOTED IN THIS TENDER
1.	DELIVERY TERMS	F.O.R. DESTINATION only
2.	PLACE OF DELIVERY	BHEL PSWR-HQ-NAGPUR, 'SHREEMOHINI' COMPLEX, 345 KINGSWAY, NAGPUR - 440001
3.	DELIVERY PERIOD	WITHIN 20 DAYS FROM DATE OF PO
4.	CURRENCY OF PAYMENT	INR
5.	PACKING & FORWARDING CHARGES	INCLUDED IN BASIC RATE
6.	EXCISE DUTY (% RATE)	<input type="checkbox"/> Included @ _____ % (or) <input type="checkbox"/> Extra@ _____ % (or) <input type="checkbox"/> NA
7.	EXCISE INVOICE	<input type="checkbox"/> PROVIDED / <input type="checkbox"/> NOT PROVIDED MATERIAL EXCISE CODE..... (Invoice should contain ECC details of supplier and buyer. BHEL ECC and TIN details shall be contained in purchase order.)
8.	VAT/ CST WITHOUT CONCESSIONAL FORMS "C/D" (% RATE)	<input type="checkbox"/> Included @ _____ % (or) <input type="checkbox"/> Extra@ _____ % (or) <input type="checkbox"/> NA
9.	OCTROI / ENTRY TAX AT DESTINATION	Extra, if applicable shall be paid by BHEL on submission of original receipt.
10.	TRANSIT INSURANCE CHARGES	BY BHEL. SUPPLIER HAS TO INTIMATE THE DISPATCH DETAILS TO BHEL'S UNDERWRITERS AS SOON AS THE MATERIAL IS DISPATCHED.
11.	ANY OTHER CHARGES (please specify here the nature of charge)	(AMOUNT TO BE SPECIFIED IN THE PRICE FORMAT)
12.	MODE OF DISPATCH	BY ROAD / RAIL / SHIP / AIR / CARGO COURIER / SPECIAL MESSENGER / HAND DELIVERY
13.	TEST CERTIFICATES	<input type="checkbox"/> PROVIDED <input type="checkbox"/> NOT PROVIDED
14.	CALIBRATION CERTIFICATE	<input type="checkbox"/> PROVIDED <input type="checkbox"/> NOT PROVIDED
15.	GUARANTEE/WARRANTEE CERTIFICATE	<input type="checkbox"/> PROVIDED <input type="checkbox"/> NOT PROVIDED
16.	O&M ISTRUCTIONS MANUAL	<input type="checkbox"/> PROVIDED <input type="checkbox"/> NOT PROVIDED
17.	WEATHER MICRO/SMALL SCALE ENTERPRISE	YES/NO, IN CASE OF YES ENCLOSE CERTIFICATE AS SPECIFIED IN CLAUSE NO.31 OF GENERAL TERMS & CONDITIONS <input type="checkbox"/> ENCLOSED <input type="checkbox"/> NOT ENCLOSED <input type="checkbox"/> N/A
18.	PRODUCT CATALOGUE / WRITE UP	<input type="checkbox"/> ENCLOSED / <input type="checkbox"/> NOT ENCLOSED
19.	CONTACT PERSON NAME MOBILE NO. E-MAIL ID	

This sheet should be dully filled, signed and sent as a part of technical bid. Otherwise the offer will not be considered for further processing.

SIGNATURE & SEAL OF TENDER

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ANNEXURE-I

<u>TECHNICAL SPECIFICATION FOR LOW RANGE PLATINUM RESISTANCE THERMOMETER</u>	<u>BIDDER'S COMPLIANCE (Y/N)</u>
TYPE PRT – 100	
Quantity Required : 200 Nos. per lot	
Features :	
MINERAL INSULATED PLATINUM RESISTANCE THERMOMETER (PT-100) to be supplied with Porcelain connector block with Water proof, lightweight Aluminum head dia. less than 3".	
MEASURING RANGE : 0 - 350 °C	
4 Wire RTD extension cable of 50 Mtr. length to be provided <u>for each RTD.</u> (Refer to Annexure -1 For Cable Specification)	
All 4 wire extension cables to be provided with minimum 4 pin Integrated matching male AMPHENOL connector to match our existing Data Logger Female Connector (MAKE AMPHENOL PART NO C091D). On request of vendor BHEL will display one no. sample male piece connector to technically qualified vendor.	
PRT STEM to be provided with 6 MM OD SS-304 sheathing for protection.	
Immersion length of element 400 mm (for 150 Nos.) and 300 mm (for 50 Nos.).	
STEM to be provided with adjustable M 20 X 1.5 Coupling With Suitable Teflon Ferrule Inside.	
ACCURACY : 0.75 °C	
OTHER REQUIREMENTS :	
1) EACH sensor shall be supplied with calibration certificates from any accredited lab such as NABL / UCAS / NIST or National Laboratories of any country for entire range (at 0,50,100,150,200,250,300 & 350 °C) for this accuracy requirement (calibration in OHM with respect to Standard Temp). On request BHEL will provide sample calibration certificate to technically qualified vendor.	
2) RTDs should be packed (10- 12 Nos. in each box) in Suitable rugged, shock proof and portable (hard top) carrying case with proper thermocol/foam packing slot for each sensor. One No Carrying Case Per Lot is to be Submitted By L1 Vendor For approval from purchaser before final full lot of manufacture.	
3) Three sets of O & M manual, TC, GC, certificates of newness For Full Lot.	
4) The supplier should stand guarantee for minimum one year for trouble free operation of all sensors at various sites.	
5) Parties not meeting any of above requirement shall be outright rejected.	
6) Inspection before dispatch at supplier's works. During this, all PRTs properly packed in boxes as per specifications along with NABL accredited lab calibration certificates for each PRT shall be offered for inspection.	
7) Only authorized dealer / distributor of original manufacturer need send their quotations supported by valid authorization letter from principle confirming acceptance to all technical / commercial terms of purchase contract. If vendor asks for any deviation later on , the offer will be out rightly rejected.	
9) Two complete samples Per Lot along with Calibration Certificate from NABL accredited Lab, Cable & Connector to be submitted by L1 vendor for approval from purchaser before final full lot of manufacture.	
10) Detailed catalogue / Drawings must be furnished with offer for technical scrutiny.	
11) Four digit Serial no. of each RTD to be marked at one place Below Porcelain Block and also to be marked on a METALLIC tag plate. Serial nos. will allocated by BHEL after approval of sample PRTs.	

GENERAL REQUIREMENT :

1. Actual data / detail of offered model to be filled against each specification supported by printed catalogue (Catalogue / Technical Specifications should be available on web site of OEM). Simply writing accepted / confirmed will not be considered and the offer may be disqualified.
2. Documentary Proof for Services Centers including availability of spares in India for the offered model to be submitted.

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- 3. Documentary proof from OEM on the printed letter head for authorized dealer / representative of the company (whose product is being offered) is essential.**
- 4. Accepted / approved sample of RTD / BOX will be retained by BHEL for comparison with full lot. Same will be adjusted with balance lot.**

NOTE: Bidders should submit the signed copy of this technical sheet as token of acceptance.

ENGINEER (PURCHASE)