

ISO 9001-2000,ISO 14001 and OHSAS 18001 certified company SubContract and Purchase Deptt. Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)

Power Sector – Northern Region,
Plot No. 25 , Sector - 16A , Distt. Gautam Budh Nagar,
NOIDA – 2 01301 (INDIA)
Phone: 91-120-2515476 / 2515464 / 2416278

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# **TENDER NOTICE**

BHEL Power Sector, Northern Region invites bids for the following item required at BHEL sites in India as follow: -

TSX / BHEL-PSNR, NOIDA IN U.P

Enquiry No.	Item Description	Last Date of Tender Submission & Opening
BHEL/PSNR/SCP/ VKS/ E-1919	SUPPLY OF PRECISION PLATINUM RESISTANCE THERMOMETERS (PRT'S) SEMI STANDARD TYPE.	17.03.2010
	AS PER DETAILS ENCLOSED WITH TENDER	3.30PM (IST)
	QTY REQUIRED 150 NOS	

# Notes:

- 1. For detailed tender enquiry, please visit BHEL web site www.bhel.com
- 2. Purchase Preference will be given to CPSUs as per Indian Govt. Guidelines.
- 3. Consignees shall be as given below

AGM / TSX / BHEL-PSNR, NOIDA

AGM/SCP



ISO 9001-2000,ISO 14001 and OHSAS 18001 certified company SubContract and Purchase Deptt.

TENDER NO: BHEL-PSNR/SCP/VKS/E-1919 **Bharat Heavy Electricals Limited**(A Govt. of India Undertaking)

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TSX / BHEL-PSNR, NOIDA IN U.P

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BHEL/PSNR/SCP/ VKS/ E-1919	SUPPLY OF PRECISION PLATINUM RESISTANCE THERMOMETERS (PRT'S) SEMI STANDARD TYPE.	17.03.2010
	AS PER TECHNICAL DETAILS ENCLOSED WITH TENDER	3.30PM (IST)
	QTY REQUIRED 150 NOS	

DESTINATION FOR SUPPLY IS AS FOLLOW:

1 AGM/TSX,BHEL-PSNR,PLOT 25, SECTOR,16-A NOIDA,U.P

# **QUALIFYING REQUIREMENTS / PAST EXPERIENCE:-**

- 1) OFFER FROM ONLY THOSE MANUFACTURERS (DIRECTLY OR THROUGH THEIR AUTHORISED DEALER) WILL BE CONSIDERED WHO HAVE BEEN MANUFACTURING SIMILAR TYPE OF PRECISION PLATINUM RESISTANCE THERMOMETERS AND SHOULD HAVE SUPPLIED TO THE REPUTED COMPANIES DURING LAST 3 YEARS.LIST OF CUSTOMERS AND THE RELEVANT DOCUMENTS FOR PREVIOUS ORDERS SHALL BE ENCLOSED WITH TECHNO COMMERCIAL BIDS.
- 2) ONE SAMPLE PRT MEETING ALL TECHNICAL SPECIFICATIONS OF THE TENDER SHALL BE SUBMITTED BY ALL TECHNICALLY ACCEPTED BIDDERS BEFORE PRICE BID OPENING.

# NOTES:-

- (i) The Tender Document comprise of following;
  - (1) Tender Notification
  - (2) Tender Invitation
  - (3) Annexure-1(Technical Specifications)
  - (4) Special Terms & Conditions.
  - (5) General Terms & Conditions.
  - (6) Rate Schedule
- Tender Documents with complete details are hosted in this web page. Bidder(s) intending to participate may download the tender document from the web site.
- (iii) Bidder(s) can also collect hard copy of tender documents from this office. Tender documents (non transferable) will be issued free of cost on all working days between 09.30 Hrs. to 15.30 Hrs within the period i.e *upto* 16.03.2010. Request for issue of tender document should clearly indicate Tender No. and work discription.

- (iv) Tenders must be submitted to the undersigned latest by 17.03.2010 before opening of technical bids commences. Technical bids shall be opened at 15.30 Hrs. (IST) on 17.03.2010.
- (v) The present destination for supply of **PRECISION PLATINUM RESISTANCE THERMOMETERS** is as per given above, However, the destination is subject to change as per deployment plan at the time of delivery
- (vi) All corrigenda, addenda, amendments and clarifications to this Tender will be hosted in this web page and not in the newspaper. Bidders shall keep themselves updated with all such amendments.
- (vii) BHEL reserves the right to accept or reject any or all tenders without assigning any reason what so ever. BHEL shall process this tender on 'Reverse Auction' basis with the technically & commercially accepted bidders.
- (viii) BHEL takes no responsibility for any delay/loss of documents or correspondences sent by courier/post.
- (ix) Purchase Preference will be given to CPSUs as per Govt. Guidelines.
- (x) Any Deviation to techno-commercial specifications shall be clearly indicated,
- (xi) Deviation if may lead to rejection of the offer, however BHEL reserve the right to accept the same after suitably loadings to the quoted price.

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# **ANNEXURE-A**

# TECHNICAL SPECIFICATIONS FOR PRECISION PLATINUM RESISTANCE THERMOMETER (PRT'S)

- 1. PT 100 PLATINUM RESISTANCE THERMOMETER OF FOUR WIRE DESIGN.
- 2. COMPLETE WITH LIGHT METAL HEAD AND SUITABLE INSIDE TERMINATION BLOCK.. SILVER LEADS TO BE USED FROM ELEMENT UPTO TERMINAL BLOCKS.
- 3. TWO METER LONG 4 CORE COPPER CABLE WITH SUITABLE INSULATION (e.g. PTFE) FOR WITHSTANDING HIGH TEMPERATURE TO BE PROVIDED FOR CONNECTING TO TERMINAL BLOCK OF PRT. AT OTHER END OF CABLE FOUR PIN TYPE, MALE & FEMALE GOLD PLATED CONNECTOR TO BE PROVIDED THE SAMPLE OF THIS CONNECTOR TO BE GOT APPROVED FROM PURCHASER AFTER THE PLACEMENT OF ORDER.
- 4. TO BE PROVIDED WITH 6 mm OD SHEATHING, OF SUITABLE METAL ALLOY, FOR PROTECTION AGAINST TEMP. OF 660  ${}^{\circ}$ C
- 5. IMMERSION LENGTH OF ELEMENT 450 mm BELOW HEAD.
- 6. SHEATHING TO BE PROVIDED WITH ADJUSTABLE M 20 X 1.5 mm. IMMERSION COUPLING WITH SUITABLE FERRULE INSIDE.
- 7. MEASURING RANGE: 0 TO 660 °C.
- 8. ACCURACY: ±0.3 °C FOR FULL RANGE FROM 0 TO 660 °C
- 9. PRT RESISTANCE TEMPERATURE COEFFICIENCY AND ALL INHERENT ERRORS SUCH AS SELF HEATING ERRORS TO SUIT ABOVE SPECIFIED ACCURACY REQUIREMENT.
- 10. CALIBRATION CERTIFICATES FOR ESTABLISHING ACCURACY AT FIVE POINTS NAMELY, TRIPLE POINT OF WATER (0.010000 DEG. C) FREEZING POINT OF GALLIUM (29,76460 °C), FREEZING POINT OF TIN (231,9280 °C), FREEZING POINT OF ZINC (419,5270 °C) AND FREEZING POINT OF ALUMINIUM (660.3230 °C) TO BE PROVIDED FOR EACH INSTRUMENT FROM A RECOGNISED LABORATORY TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS (ACTUAL CALIBRATION CHARGES TO BE QUOTED SEPERATELY AND WILL BE REIMBURSED ON ACTUALS).
- 11. UNIQUE SERIAL NUMBERS TO BE PRINTED IN THREE DIGITS FOR EACH PRT. SERIES TO BE INFORMED AT THE TIME OF PLACING PO
- 12. BEFORE OPENING OF PRICE BID, ALL THE TECHNICALLY SUITABLE PARTIES SHALL BE REQUIRED TO SUBMIT ONE SAMPLE PRT, MEETING ABOVE SPECIFICATIONS— ALONGWITH CALIBRATION CERTICICATE AS MENTIONED ABOVE FOR PURCHASER'S APPROVAL.. ONLY THE PARTIES, WHOSE SAMPLE PRT IS FOUND MEETING ALL THE SPECIFICATIONS AND ACCURACY REQUIREMENTS (AS CHECKED FROM CALIBRATION CERTIFICATE ) SHALL BE RECOMMENDED FOR PROCUREMENT.
- 13. THE PRTs ARE TO BE SUPPLIED IN SUITABLE PACKING CASES MEETING THE FOLLOWING DESCRIPTION.
  - a) IN EACH PACKING CASE FIVE (05) NO. OF SUCH PRTs MAY BE PACKED.
  - b) THE PACKAGE BOX SHOULD BE OF WOOD/ALUMINIUM OR ANY OTHER SUITABLE MATERIAL WITH RACKSIN COVER, HANDY, LOCKABLE AND WEIGHING NOT MORE THAN 5 KG EACH.

- c) THE SLOT FOR EACH PRT SHOULD BE PROPERLY DESIGNED WITH FOAM PACKING SO AS TO AVOID ANY MECHANICAL SHOCKS DURING HANDLING/TRANSPORTATION.
- d) THE PACKING BOX SHOULD BE ROBUST ENOUGH FOR TRANSPORTATION IN ALL MODES OF TRANSPORT
- e) THE DESIGN AND MATERIALS OF THE PACKING CASES TO BE GOT APPROVED FROM THE PURCHASER BEFORE BULK MANUFACTURING AND SUPPLY.
- f) THE RATES FOR THE PACKING CASES MAY BE QUOTED SEPARATELY.

Sealed tenders in two part bid system i.e. Part-I – Techno-Commercial bid and Part-II - Price bid are invited for supply of 150 NOS PRECISION PLATINUM RESISTANCE THERMOMETERS (as per detailed specifications so as to reach us before the date of opening. The tenders (Part I only) will be opened at 3.30 PM (IST) on 17.03.2010.

Tender should not be addressed to any Individual's name but only by designation to:

# ADDITIONAL GENERAL MANAER/PUR BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)
Power Sector-Northern Region,
Plot no.25, Sector 16 A PB NO. 55,
NOIDA –201301 (INDIA)

The tenderers are advised to submit the bid in conformity with the following: -

- 1. Offer should be submitted in two part bid system as under;
- 1.1 Part I Techno-Commercial bid. It should include the following:
  - i) Technical specifications along with necessary catalogues, drawings, and technical literatures for the offered **PRECISION PLATINUM RESISTANCE THERMOMETERS** in line with the technical specifications enclosed with this tender.
  - ii) Documentary evidence of **PRECISION PLATINUM RESISTANCE THERMOMETERS** manufactured, supplied.
  - iii) Details of service facilities available in India for 'After Sales Service'.
  - iv) Acceptance to commercial terms and conditions.
  - (vi) Normally no deviations are allowed (Techno-Commercial). However, If there are any deviations, the same should be clearly specified. Deviation, if any, will be liable for rejection or can be considered subject to suitable loading by BHEL and for which BHEL's decision shall be final and binding.
  - (vii) Bidders shall submit their offer in **INR only**, the same to be indicated in their offer (Part-I).
  - (x) Commercial
    - This part shall include / indicate the following:
  - a) Station of dispatch
  - b) Terms of payment
  - c) Taxes & duties applicable.
  - d) Delivery Schedule
  - e) Offer validity
  - f) A copy of "Un-Priced Part II" i.e., a copy of the Price Bid without the price details to be enclosed.
- 1.2 Part II (Price bid) :
  - i) As per Rate Schedule format enclosed.
  - The bidders should fully understand scope of supply and their responsibilities under the tender specifications before quoting. The bidders are required to quote only in Indian Currency for the rates as per rate schedule, in part-II price bid.

Conditional price bid or price bid with any deviation are liable to be rejected. No cutting / erasing /overwriting shall be done in the price bid.

2. Following should be super scribed on the envelopes of the two parts of the Bid.

Part	l: Tec	hno-C	Commer	cial	Bid:-
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Tender for: Tender No.:

Due on:

Part II (Price bid)

Tender for: Tender No.:

Both Part I and Part II should be individually sealed and super scribed as indicated above and shall be enclosed in one main envelope duly sealed and super scribed as:

Tender for:

Tender No.: Due on:

Containing Part I and Part II of the offer.

- The tenders should be sent sufficiently in advance so as to reach before the due date and time. **BHEL shall not be responsible in case of delay in receipt of tenders.**
- 5 Inspection & Testing: -

The supplier shall offer the **PRECISION PLATINUM RESISTANCE THERMOMETERS** for inspection at manufacturer's works as per international norms. Inspection shall be carried out in presence of BHEL engineers or its nominated representative.

- 6. The delivery required is within two months progressively from date of P.O. However, tenderers should indicate the best possible delivery period.
- 7. Offers should be valid for a period of 180 days from the date of Techno-Commercial bid (Part-I) opening.
- 8. The rates for packing cases may be quoted separately.
- 9. Payment Terms: Tenderer shall adhere to the following payment terms:
  - a) 90% of Ex-Works value of **PRECISION PLATINUM RESISTANCE THERMOMETERS** with 100% taxes, duties, freight packing & forwarding and insurance against despatch documents (Bill and Excise invoice, Copy of LR and Callibration Certificates Etc.),.
  - b) 10% of Ex-Works value of PRECISION PLATINUM RESISTANCE
    THERMOMETERS within 30 after receipt and acceptance of PRECISION
    PLATINUM RESISTANCE THERMOMETERS at destination.

The set of despatch documents for 90% payment shall be as follows

- Two Original of tax Invoices (Cenvat / Modvat Invoice)
- Inspection and Test Certificate of the PRECISION PLATINUM RESISTANCE THERMOMETERS at Manufacturer Works, duly certified by BHEL or its Authorised Agency or its waiver.
- Traceable Callibration Certificates from NABL accredited lab...
- Warranty Certificate for the goods

# **NOTES:-**

(i) Tenderers are required to specifically confirm acceptance of these payment terms in their techno-commercial offer.

(ii) No advance shall be paid.

#### 10. Warranty: -

The PRECISION PLATINUM RESISTANCE THERMOMETERS offered shall carry a warranty for a period of 12 months from the date of commissioning of PRECISION PLATINUM RESISTANCE THERMOMETERS at site or 18 months from the date of dispatch.. Rectification / replacement required during the warranty period will be arranged by the supplier free of cost including to and fro transport charges and import duty/excise duty/other taxes/insurance etc payable on replacement items.

- On acceptance of techno-commercial and price bids, BHEL reserves the right to conclude the contract either on Ex- works or FOR site basis at its sole discretion.
- 12. All sheets of the offer should be duly signed and stamped by the tenderers.
  - 13. In case of any contradiction between General Terms & Conditions (GTC) and Special Terms & Conditions of Contract (STC), the latter shall prevail.
- 14. Unique Serial number to be provided in three digits for each PRT

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#### **GENERAL TERMS & CONDITIONS**

- 1. Manufacturer's name, their trade mark and brand, if any should invariably be mentioned in the tender and illustrative leaflets in duplicate giving technical particulars etc. should be attached to the tender, to facilitate consideration of the offer
- 2. Materials should be of best quality and correct to specifications, relevant DIN/ISO/ANSI standard or any other equivalent INTERNATIONAL standard specification.
- 3. Please note that our terms of payment are as per clause 9 of "SPECIAL TERMS AND CONDITIONS" (enclosed).

#### No advance shall be paid.

Payments are released through Electronic Fund Transfer, supplier to provide the bank details along with bill invoices..

- 5. Bharat Heavy Electricals Limited does not bind itself to accept the lowest tender, but reserves to itself the right to accept or reject all or part of any tender at its discretion.
- 6. No enhancement of rate, whatsoever the cause, will be allowed once the offer is accepted and the order is placed. Withdrawal of the offer after it is accepted or failure to make the supply within the schedule period will entail cancellation of purchase order and purchase at the risk and cost of supplier. However any variation in govt levies, taxes /duties within contractual delivery period shall be to BHEL account.
- 7. The quantities to be purchased may vary according to actual requirement at the time of placement of order.
- 8. Supply against orders will be subject to the General Conditions of Contract prevailing in **Bharat Heavy Electricals Limited**.
- 9. Where Sales Tax is payable extra it will only be paid if registration numbers both under local sales tax/VAT and Central Sales Tax are specifically mentioned on the invoice. Tenderers should invariably quote their sales tax Registration No. in the offer.
- 10. <u>Liquidated Damages</u>: It is clearly understood between the parties to the contract that the delivery of the goods specified in the purchase order should be made within the time limit prescribed. Where the seller supplies or dispatches the goods beyond the delivery period specified, the purchaser will have no obligation to accept the goods. If accepted, liquidated damages at the rate of ½% ( half percent) of the value of goods in arrears per week subject to a maximum of 10% ( ten percent) of order value, will be levied at the discretion of the purchaser, without prejudice to any other relief or compensation due to the purchaser under any other condition to the contract.
- 11. Risk Purchase:- Alternatively, the purchaser at his option, will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole or any part of the goods which the supplier fails to deliver or dispatch within the time stipulated as aforesaid, or if the same were not available, the best and the nearest available substitute therefore. The seller shall be liable for any loss, which the purchaser may sustain by reason of such risk purchase in addition to L.D. at the rate mentioned in clause 10 above.
- 12. <u>Inspection</u>: All goods and work are subject to our inspection either at manufacture's works or after delivery as may be agreed. The decision of BHEL shall be final. Rejected goods will be returned to the supplier at his cost including freight on original shipment.

- 13. <u>Insurance</u>: Wherever specifically agreed to, the supplier will insure at his cost the goods for all transit risks from the date of delivery of the goods at the final destination.
- 14. Metric System:- Suppliers are requested to give metric measurements while quoting.
- 15. <a href="Arbitration">Arbitration</a>: All disputes between the parties to the contract arising out of or in relation to the contract, other than those for which the decision of the Engineer or any other person is by the contract expressed to be final and conclusive, shall after written notice by either party to the contract to the other party, be referred to sole arbitration of the General Manager or his nominee. The arbitration shall be conducted in accordance with the provisions of the Arbitration and Reconciliation Act, 1996 The place of Arbitration shall be New Delhi(India).
- 16. Any suites in respect of this contract shall have the jurisdiction of the courts of New Delhi (India) only.

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# **ANNEXURE-I**

#### **RATE SCHEDULE**

SI.No.	DESCRIPTION	PRICE IN INR
1	150 NUMBER OF PRECISION PLATINUM RESISTANCE	
	THERMOMETERS AS PER DETAILED SPECIFICATIONS	
	ENCLOSED WITH TENDER ANNEXURE-1.	
2	CHARGES OF PACKING CASES FOR PACKING OF PRT'S	
3	COST OF CALIBRATION CERTIFICATES FOR ALL THE 150 NO OF PRECISION PLATINUM RESISTANCE THERMOMETERS	
4.	EXCISE DUTY, CST WITH AND WITHOUT C FORM (CENVAT/MODVAT DETAILS)	
	TRANSPORTATION / FREIGHT CHARGES FROM MANUFACTURER WORK PLACE TO BHEL SITE OFFICE , AS PER BELOW.  TSX / BHEL-PSNR,NOIDA IN U.P	
_	TRANSIT INSURANCE FROM PLACE AND DATE OF DISPATCH TILL RECIEPT OF MATERIAL AT SITE.	
7.	TOTAL	
8.	CENVAT BENEFIT TO BHEL	
9.	COST TO BHEL (AFTER CONSIDERING CENVAT BENEFIT TO BHEL)	

#### NOTES:

- Tenders will be evaluated based on the prices quoted upto FOR Site after considering CENVAT benefit to BHEL. Bidders are requested to quote for each and every item from 1 to 6as indicated above and CENVAT AMOUNT MAY BE INDICATED. Please indicate NIL against items not applicable.
- CENVAT/MODVAT credit: The quotation must indicate Tariff item number and rate of Excise Duty applicable. The original Excise Duty Gate Pass will be required to be furnished in case charged to us. If the tenderer is availing MODVAT credit for his input materials, the effect of Performa credit should be passed on to the purchaser.
- 3. Any other charges, if not specified above, may also be indicated.
- 4. Incomplete offer received may not be considered.
- 5. The Rate shall be entered in figures as well as in words. In case of difference in rates between words and figures THE LESSER OF THE TWO will be treated as valid rate.
- 6. In case of omission in quoting any rate, the evaluation will be done considering the highest quoted rate obtained against that item but the order, if placed, will be on the lowest quoted rate obtained against that item.

(Signature and Seal of Tenderer)

#### **GENERAL TERMS AND CONDITIONS OF RA**

Against this enquiry for the subject item/system with detailed scope of supply as per enquiry specifications, BHEL shall resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING ON INTERNET.

- 1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
- 2. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
- 3. BHEL wil inform the vendor in writing in case of reverse auction, the details of Service Provider to enable them to contact & get trained.
- 4. Business rules like event date, time, Start price, bid decrement, extensions etc. also will be communicated through service provider for compliance.
- 5. Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor wil not be eligible to Participate in the event.
- 6. BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the Auction.
- 7. Reverse auction will be conducted on scheduled date & time.
- 8. At the end of Reverse Auction event, the lowest bidder value will be known on the network.
- 9. The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail.
- 10. During Reverse Auction, if no bid is received within the specified time, BHEL at its discretion, may decide to revise opening price/scrap the reverse auction process/proceed with conventional mode of tendering.
- 11. Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.
- 12. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
- 13. Bids-given by the bidders during the Reverse Auction process will be taken as an offer to execute the work. Bids once made by the bidder, can not be cancelled/withdrawn and bidders shall be bound to execute the work as mentioned above at the final bid price. Should be bidder (Lowest) back out and not execute the contract as per the rates quoted, BHEL shall take action as appropriate.

In case BHEL decide to process the tender through Reverse Auction Process (RA), following details shall be required from the bidders for their authorized representative who will participate in the on line Reverse Auction Process;

- (a) Name of Designation of official
- (b) Postal Address (Complete)
- (c)Telephone Nos. (Land line & Mobile both)
- (d) FAX No.
- (e) E-mail address
- (f) Name of Place/State/Country, wherefrom he will participate in the RA.