

PROCUREMENT PROCEDURE OF CPRI (NON WORKS)

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 Section : Formats
 Topic : Technical Specifications format

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Section IV T -Technical Specification

CENTRAL POWER RESEARCH INSTITUTE, BENGALURU, WWW.CPRI.RES.IN

Tender Enquiry No : CPRI BLR22SCL28M1113

Description of the Equipment/Goods/Services : Supply of T -Type Thermocouples at CPRI Bengaluru

Note : 1) The technical bid submitted in other than this format is liable to be rejected.

2) All fields are mandatorily to be filled in.

Name and address of the bidder

Quotation Number and Date

Sl.No.	Technical Specifications/Parameters	Qty	To be completed by the Bidder		
			Details of guaranteed technical parameters offered by the bidder	Guaranteed Technical Particulars (GTP)	Deviations from GTP
1	Equipment/Goods under Procurement : T -Type Thermocouples	180 Nos			
2	Scope : Supply at HRT Laboratory (SC Lab),CPRI,Bangalore				
3	Application : The T-Type Thermocouples will be used for monitoring temperature at various locations of test equipment during temperature rise test.It need to capture the temperature data at regular interval as specified by the recording Equipment.				
4	Description : The T-Type Thermocouple (Copper/Constantan) is a very stable thermocouple.Thermocouples are constructed from two wire leads made from different metals. The wire leads are welded together to create a junction to the ends . As the temperature changes from the junction to the ends of the wire leads, a voltage develops across the junction.				
5	Technical Specifications/Parameters				
	Type : Copper(+ve) / Constantan (-ve)				
	Length : 10 meters each.				
	Insulation : Teflon				
	Accuracy :± 1°C (or) Better				
	Class : A				
	Maximum Tempearture : 200°C (OR) Even better				
	Insulation type : Teflon (PTFE) Double				
	Wire gauge : 36 SWG				
	Number of strands : 7				
	Response Time in Liquid : 2 s				
	Response Time in air : 0.15 s				
	Colour code : + white – Blue				
	Outer Cable : Blue				
6	Numbering & Identification : All thermo couples are to be identified with numbering in sequence with proper heat shrinkable ferrule at both ends to get connected with the Data Logging Unit.				
7	Finishing : Bracing at the one end of the each Thermocouple & Other end suitably fitted with proper end clips to get connected with Data logger positive & negative terminals				
8	Calibration :To be supplied with International traceable calibration certificate.The calibration certificate from the accredited laboratory as per ISO/IEC 17025. One thermocouple out of the batch of 30 Nos has to be calibrated. Calibration date shall be after the date of purchase order received.				
9	Guarantee : The thermocouples supplied shall be guaranteed for satisfactory operation and manufacturing defect for one year from date of receiving at purchaser end.				

PN: 1) Mere statement of "Complied" do not suffice the requirement. The details of technical parameters in proof of CPRI requirements shall be furnished along with technical write-up, catalogues, brochures, literatures, pamphlets, or any other documents shall be submitted in hard copy along with technical bid.

2) Calibration reports/certificates, factory test reports/certificates from an accredited agencies/facilities shall be submitted wherever applicable.

3) CPRI reserves the right to conduct "predispatch inspection" prior to dispatch at the works of the supplier and the expenditure towards PDI shall be borne by CPRI. However information regarding the rediness of the equipment/machinery for the PDI shall be communicated in writing at lease 70 days in advance.