



PRODUCT PURCHASE SPECIFICATION

(HEEP: HARIDWAR)

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TECHNICAL SPECIFICATION FOR INFRARED TEMPERATURE INDICATOR
(FOR ONE NO.)

1.0 PURPOSE:

Purpose of the Portable, handheld, Infrared, Non-Contact Temperature Indicator is to measure temperature of various assemblies of Turbo Generator and Exciters during manufacturing. These assemblies majorly comprise of copper components.

2.0 SCOPE:

The scope of supply includes supply and successful trial of temperature indicator.

3.0 TECHNICAL SPECIFICATION :

- 3.1 Portable, Handheld, Non-Contact Type, Infrared Temperature Indicator.
- 3.2 Temperature Measurement Range:
 - Minimum: $\leq 0^{\circ}\text{C}$
 - Maximum: $\geq 900^{\circ}\text{C}$
- 3.3 Resolution: 1°C or better
- 3.4 Distance to Spot Ratio: 30:1 or better
- 3.5 Accuracy : $\pm 2.5^{\circ}\text{C}$ or better
- 3.6 Ambient operating Temperature: Approximately $0-50^{\circ}\text{C}$
- 3.7 Response time: ≤ 1 sec.

4.0 POWER SUPPLY:

The temperature indicator shall have suitable power supply. In case of chargeable batteries, suitable charger shall be supplied.

5.0 ACCESSORIES:

- 5.1 User Manual: 01 no.
5.2 Carry case: 01 no.
5.3 Batteries /Charger: As per clause 4.0

				नाम NAME	दिनांक एवं प्रस्तावर SIGNATURE & DATE
			अनुवादक TRANSLATED BY		
			निर्माणकर्ता WORKED BY	SHWETA	12/10/18
(BLOCK-1)	SEEMANT	12/10/18	जांचकर्ता CHECKED BY	RANJEET KUMAR	Ranjeet Kumar
सहमत विभाग AGREED DEPTT.	नाम NAME	दिनांक एवं प्रस्तावर DATE & SIGNATURE	पर्यवेक्षणकर्ता SUPERVISED BY	U.K. SINGH	U.K. Singh
			स्वीकृति APPROVED : AGM(EMT)	G.N.O.	
REV.NO.			निर्माण PREPARED :	शाहिद जयसिंग, शाहिद अहमद (इ.एन.टी.) AGM (EMT)	दिनांक DATE :
Di.				ISSUED BY	
CHANGE ADVICE NO.				प्र. एन. ई. एल., डी.पी. हरिद्वार HARIDWAR	

उत्पाद क्रय विनिर्देश (हीप : हरिद्वार)
PRODUCT PURCHASE SPECIFICATION
(HEEP: HARIDWAR)

EMT-6841

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6.0 CERTIFICATES:

- 6.1 Calibration certificate
 6.2 Guarantee/Warranty certificate for 12 months from final acceptance at BHEL works.

7.0 ACCEPTANCE CRITERIA:

The material shall be accepted on basis of certificates (as per clause no. 6.0) and successful demonstration by vendor at BHEL works.

8.0 PACKING AND MARKING :

Material shall be supplied in the packing box of suitable size to protect the instrument.

9.0 REJECTION:

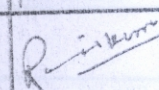
BHEL reserves the right to reject the instrument if it does not conform to the specifications, not giving correct reading or any manufacturing defects.

स्वत्वाधिकार एवं गोपनीय
 यह प्रलेख मे की गई सूचना भारत हेतु की तृतीयकृत विनिर्देश की सहाजि है इसका प्रलेख
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निर्देश एवं हस्ताक्षर
 SIGN & DATE

सामग्री सूची संख्या
 INVENTORY NO.

REV.
 NO.

निर्मणिकर्ता WORKED BY	SHWETA		21/01/18
जांचकर्ता CHECKED BY	RANJEET KUMAR		12/1/18

Pre Qualifying Requirements (PQR)

DESCRIPTION OF BHEL REQUIREMENT	TO BE SUPPLIED/ CONFIRMED/ SUBMITTED BY	OFFERED	DEVIATION	REMARKS
Only those vendors, who have supplied at least one number Portable (Battery operated) Infrared Temperature Indicator (temperature indication in range of 0°C to 500°C or more) in last ten years should quote. The period should be prior to tender opening date.	Vendor to accept & confirm			
The following information shall be submitted by vendor about companies where such "Portable Infrared Temperature Indicator(s)" have been supplied. This is required from all vendors for qualification of their offer.				
1. Name of the customer / company where referred temperature indicator is supplied.	Vendor to inform.			
2. Complete postal address of the customer.	Vendor to inform.			
3. Month & Year of supply.	Vendor to inform.			
4. Parameters of supplied Temperature indicator and application for which it is used.	Vendor to inform.			
5. Name and designation of the contact person of the customer.	Vendor to inform.			
6. Phone, FAX no. and email address of the contact person of the customer.	Vendor to inform.			
7. Copy of purchase order of supplied Temperature indicator from the customer will be required.	Vendor to submit.			
8. BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	Vendor to accept & confirm.			

17/11/18
C. U.K. SINGH
SDGM, EMU (B)