

TITLE : TECHNICAL SPECIFICATION FOR BOUGHT-OUT ITEMS

ITEM : INFRARED THERMAL IMAGING CAMERA

	NAME	DESIGNATION	SIGNATURE	DATE
PREPARED	A.P.CHANDRASEKAR	DM		03.09.2019
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APPROVED	M.JEYAMURUGANAND	AGM		03.09.2019
ISSUED BY				
EDC-ECI				
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1.0.0 SCOPE OF SUPPLY:

The scope of supply includes supply of hand held Infrared based Thermal Imaging Camera with required accessories. Infrared based Thermal Imaging Camera with required accessories like battery, chargers, case, storage device, etc. to be provided to meet the purpose.

2.0.0 APPLICATION:

Infrared based Thermal Imaging Camera will be used for analysis of heat distribution pattern over ESP hopper surfaces fitted with heaters. The height of hoppers would be 3m tall and 6m wide. Provisions shall be available to store the captured images in internal storage device.

3.0.0 SITE CONDITION:

3.0.1 Ambient temperature : 10 ° C to 45 ° C.

3.0.2 Relative Humidity : 90%.

4.0.0 SPECIFICATION:

Make	: Fluke, FLIR, Agilent.
Principle	: Infra-Red Based
Temperature Measurement	: 0 to 200 °C
Display	: LCD colour display. Minimum 3” diagonal.
IR Resolution	: 80 x 60 pixels min.
Object focusing size	: Minimum 1m x 1m. (Object focused will be 3m x 6m).
Focusing distance	: 5m from object being focused.
Storage device	: Memory card (SD card), minimum 4 GB or atleast capacity to store 300 images internally with provision for transferring images to PC through cable..
I/O	: Data cable for transfer of images to PC.
Accuracy	: +/- 2 °C
Sensitivity	: 2 °C

Power Supply : Rechargeable Battery operated. Chargers (suitable for 230V AC, 50Hz) and cables to be provided.

5.0.0 DOCUMENTS TO BE SUBMITTED ALONG WITH THE OFFER:

5.0.1 Pointwise Compliance to the tender technical specification.

5.0.2 Catalogue, data sheet of the offered model.

6.0.0 DOCUMENTS TO BE SUBMITTED AFTER AWARD OF CONTRACT:

Data sheet of the offered model for BHEL approval.