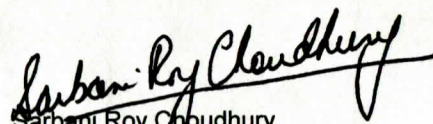


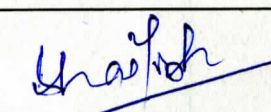
Sub.: PRE QUALIFYING REQUIREMENT OF VENDOR FOR RADIATION PYROMETER FOR PARTICIPATING IN TENDER OF "SINGLE AND DUAL COLOR MODE ONLINE RADIATION PYROMETER AS PER ATTACHED SPECIFICATION"

MATERIAL CODE: HW8743327214

INDENT NO.: 20180759

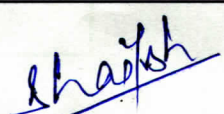
SN	Pre Qualifying Criteria	Document Required
1	Vendor should be OEM or Authorised dealer or subsidiary or authorized service provider of OEM for offered Product	A. OEM Confirmation letter from Vendor for the product offered B. In case vendor is authorised dealer or subsidiary or authorized service provider of OEM, copy of authorisation from OEM required.
2	Vendor should have supplied similar item to other customer in last five years from the date of submitting their offer. Similar item means item having same or better specification for temperature range, accuracy, spectral range, emmissivity, optical resolution, slope coefficient, single & dual color selection mode as per M/s BHEL Haridwar requirement.	A. Vendor has to submit atleast one PO copy against which similar item was supplied along with detailed technical specification of the item. B. Performance certificate of satisfactory performance from the customer for the item supplied against that very PO issued within last 2 years from the date of submitting their offer. C. BHEL reserves the right to inspect the supplied product to verify its performance ,if required. Vendor to facilitate.
3	Offered model should be in current manufacturing Range at the time of submitting their offer.	A. Latest original technical brochure or scanned copy of original technical brochure showing their complete specification. B. Offered model should be mentioned on Technical brochure as well as their official website. Vendor to specify their official website URL. C. Any customisation in regular model product offered by the Vendor will only be accepted, if same product was supplied to other customer with similar specification as per PQC at SN-2. D. Vendor will have to submit sample accredited calibration certificate for the customised product ,if offered .


Sarbani Roy Choudhury
Sr.DGM (WEX-INST.)


Shailesh Kumar Sharma
Dy. Manager (WEX-INST.)

SPECIFICATION FOR SINGLE & DUAL COLOR MODE ONLINE RADIATION PYROMETER

SN	PARAMETERS	SPECIFICATION
1	TEMP RANGE	300-1200°C
2	MAKE	RAYTEK, FLUKE, CHINO, IMPAC, LUMASENSE, WILLIAMSON, IRCON, LAND
3	ACCURACY(1 YEAR)	±(0.5% READING +2°C) OR BETTER
4	REPEATABILITY	±(0.3% READING +1°C) OR BETTER
5	RESPONSE TIME(95%)	50ms OR BETTER
6	SPECTRAL RANGE OF MEASUREMENT	SHOULD BE WITHIN 1-2.2µm IN SINGLE & DUAL COLOR MODE
7	ADJUSTABLE EMISSIVITY	0.10-1.00 BY 0.01 or AUTO ADJUST
8	OPERATING TEMP	0°C-50°C
9	STORAGE TEMP	0°C-50°C
10	LASER LIGHT	SINGLE/DUAL LASER DISPLAY LIGHT
11	OPTICAL RESOLUTION/ DISTANCE TO SPOT RATIO	MORE THAN OR EQUAL TO 75:1
12	ANALOG OUTPUT	0-20 mA DC or 4-20 mA DC
13	DISPLAY	MAX.,MIN.,AVG. TEMP DISPLAY
14	POWER SUPPLY	20VDC to 48 VDC
15	FOCUS RANGE	600mm To INFINITIY OR BETTER,LOCAL/REMOTE ADJUSTMENT
16	SLOPE CO-EFFICIENT (2-COLOR MODE)	0.85 to 1.15 by 0.01 OR BETTER
17	SINGLE & DUAL COLOR SELECTION MODE	INSTRUMENT SHOULD HAVE PROVISION FOR SINGLE & DUAL COLOR (WAVELENGTH) SWITCHING FACILITY AS PER REQUIREMENT.
18	SIGHTING MODE	VISUAL(LASER / LED)
19	BACKLITE LCD	MIN 4 DIGIT DISPLAY
20	TEMP DISPLAY	°C/°F SELECTABLE
21	DISPLAY RESOLUTION	MIN 1°C
22	TEST/CALIBRATION	TEST/CALIBRATION CERTIFICATE REQUIRED
23	TYPE/MODEL	LASER SPOTTING SHOULD NOT BE THROUGH OPTICAL FIBRE CABLE
24	SENSOR HEAD HOUSING MATERIAL	STAINLESS STEEL/ALUMINIUM
25	INPUT TRIGGER	EXTERNAL TRIGGER FOR LASER ON/OFF
26	DIGITAL COMMUNICATION	SERIAL/ETHERNET COMMUNICATION
27	SOFTWARE	REQUIRED FOR REMOTE CONFIGURATION & DATA ANALYSIS
28	SEALING	IP 65 OR BETTER
29	ACCESSORIES	1. AIR PURGE UNIT.
		2. AIR/WATER COOLING JACKET.
		3. EXTERNAL COMPATIBLE POWER SUPPLY.
		4. CONNECTING CABLE-5 MTRS. LENGTH MIN.
		6. SEPARATE 4-DIGIT DISPLAY UNIT WITH 2 NOS. OF RELAY.
		5. DISPLAY UNIT WITH EMISSIVITY ADJUSTMENT FACILITY
		6. ALL THE ACCESSORIES SHOULD BE FROM OEM.


 SHAILESH KUMAR SHARMA
 DY MANAGER(WEX/INST)