



TEST & CALIBRATION REPORT



CUSTOMER M/s : BHARAT HEAVY ELECTRICAL LTD.
 P.O. NO. : 4000021315
 DATE : 15.10.2008

JOB NO. : 1088/2/1889
 ITEM : THERMOCOUPLE
 CERT.NO. : 1028/2/1889/1849
 DATE : 07/02/2009

Item No.	38494
Item Tag No.	LBA01CT101
AA MECHANICAL CHECKS	
1. Sheath Material T/W	SS316, DRILLED BAR STOCK (IBR CERTIFIED)
2. Insct	8MM, AISI 316 SS
3. Element	CR/AL 'K' TYPE
4. Element STD	ANSI MC96.1
5. Element Dia	16AWG (1.29MM)
6. H/EL MM	160/240MM
7. Outer Sheath OD X ID MM	28MM TAPERED UP TO 25X8.5MM ID
8. Insulation	MINERAL INSULATION COMPACTED MICO
9. Head & Chain IP 67	OK
10. Cable gland 1/2"NPT(M)	DOUBLE COMP. BRASS NI PLATED
11. Terminal Block	BRASS - NI PLATED
12. Process Connection	M33X2(M)
13. Tag	OK
14. Sealing	OK
15. Nipple	N/D/N: 1/2" SCH 80, 1/2" NPT (M), SS316
16. Finishing	OK
BB ELECTRIC CHECKS	
1. Simplex / Duplex	DUPLEX
2. Insulation test at 500 VDC	100 M OHMS (UNGROUND)
3. Polarity Colour Code	(+)VE YELLOW, (-)VE RED
4. Response time W/O T/W	6 SEC
5. Response time W/O T/W	48 SEC
6. Hydro test 250 Kg/Cm2	OK
7. Drg. No.	438096/1889
8. Calibration	DETAILS AS BELOW

MASTER THERMOCOUPLE : "K" TYPE T/C CALL FROM TEMPSSENS CALIBRATION CENTRE UDAIPUR, TEST CERTIFICATE NO. TL/028/1212.2.1 DT. 19.01.2009 VALID UP TO 18.01.2010
 MASTER MULTIMETER : PEPL TEST CERTIFICATE NO. PEPL/CAL/257 DT. 19.11.2008 VALID UP TO 20.11.2009
 REF JUNCTION : 0 DEG.C. (AT ICE POINT)
 SR. NO. / TAG NO. : 38494/ LBA01CT101

SR NO.	MV OF MASTER T/C	TEMP. DEG.C	MV OF TEST T/C	TEMP DEG.C	DEVIATION DEG.C.
01	10.151	250	10.135	249.6	-0.4
02	22.772	550	22.719	548.8	-1.2
03	32.455	780	32.388	778.4	-1.6
04	36.121	870	36.053	868.3	-1.7
05	39.310	950	39.226	947.9	-2.1

INSPECTED BY
 (Sr. ENGINEER - Q.C.)

TC REVIEWED/VERIFIED
 BHEL-EDN-BANGALORE
 N. M. DEVARAJA
 DATE:

APPROVED BY
 (MANAGER Q.C.)