



BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL  
QUALITY ASSURANCE PLAN FOR TEMPERATURE SENSOR ASSEMBLY TO BHEL ORDERING  
SPECIFICATION/DRAWING AS PER PO

QUALITY PLAN NO. – QAP/QTM/VENDOR QAP/2022-23/ TEMPERATURE SENSOR ASSEMBLY DTD 09.08.2021 REV 00  
Reference Document- PO DRAWING/SPECIFICATION

SL. NO	COMPONENT	CHARACTERISTICS	TYPE OF CHECK	QUANTAM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	INSPECTION AGENCY	REMARKS
				TP	TP/A					
1)	Raw material ( All items mentioned in specification & drawing)	All tests	TC verification	100%	RR	As per Specification	As per Specification	MTC	BHEL/TP/A	TEST LAB NABL/EQUIVALENT ACCREDITED/SOURCE MILL as per drawing or specification /Supplier to get the raw material TC correlated with material TC
2)	Dimension	Dimension	Measurement	100%	10% (W)	As per relevant drawing	As per relevant drawing	Supplier record	BHEL/TP/A	
3)	Testing	a) Resistance measurement at room temperature (RTD element)	Testing	100%	5% (W)	As per specification	As per specification	Supplier record	BHEL/TP/A	
		b) Short time resistance in Oil	Testing	5%	RR	As per specification	As per specification	Supplier record	BHEL/TP/A	

अमित सेन /AMIT SEN  
अभियंता / Engineer  
ब्यूटी.एम.विभाग / Q. T.M. Division  
बी.एस.ई.एल.भोपाल/BHEL, BHOPAL

Prepared By  
SEN JIMV/ लसे लमिसे

अमित सेन /AMIT SEN  
अभियंता / Engineer  
ब्यूटी.एम.विभाग / Q. T.M. Division  
बी.एस.ई.एल.भोपाल/BHEL, BHOPAL

Approved By  
RAHUL TOPOO  
प्रबंधक / Manager

294142/2024/HEP-TXM20500



**BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL**  
**QUALITY ASSURANCE PLAN FOR TEMPERATURE SENSOR ASSEMBLY TO BHEL ORDERING SPECIFICATION/DRAWING AS PER PO**

QUALITY PLAN NO. – QAP/QTM/VENDOR QAP/2022-23/ TEMPERATURE SENSOR ASSEMBLY DTD 09.08.2021 REV 00  
Reference Document- PO DRAWING/SPECIFICATION

SL. NO	COMPONENT	CHARACTERISTICS	TYPE OF CHECK	QUANTAM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	INSPECTION AGENCY	REMARKS
				TP	TP/A					
		c) High voltage test at 1.5 KV, 50HZ for 1 min.(RTD Element)	Testing	100%	RR	As per specification	As per specification	Supplier record	BHEL/TP/A	
		d) Drop test	Testing	5%	RR	As per specification	As per specification	Supplier record	BHEL/TP/A	
		e) IR test (RTV element)	Testing	100%	5% (W)	As per specification	As per specification	Supplier record	BHEL/TP/A	
		f) Lead pulling test	Testing	5%	RR	As per specification	As per specification	Supplier record	BHEL/TP/A	

अमित सेन /AMIT SEN  
अभियंता / Engineer  
Bhopal

Prepared By

राहुल टोपा / RAHUL TOPA  
प्रबंधक / Manager  
Bhopal

Approved By

अमित सेन /AMIT SEN

अभियंता / Engineer  
Bhopal



**BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL**  
**QUALITY ASSURANCE PLAN FOR TEMPERATURE SENSOR ASSEMBLY TO BHEL ORDERING**  
**SPECIFICATION/DRAWING AS PER PO**

QUALITY PLAN NO. – QAP/QTW/VENDOR QAP/2022-23/ TEMPERATURE SENSOR ASSEMBLY DTD 09.08.2021 REV 00  
Reference Document- PO DRAWING/SPECIFICATION

SL. NO	COMPONENT	CHARACTERISTICS	TYPE OF CHECK	QUANTAM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	INSPECTION AGENCY	REMARKS
				TP	TPIA					
		b) IR test (On cable with connector)	Testing	100%	5% (W)	As per specification	As per specification	Supplier record	BHEL/TPIA	
		h) Continuity test	Testing	100%	5% (W)	As per specification	As per specification	Supplier record	BHEL/TPIA	
4)	Identification vendor name, PO & job serial no.	Visual	Visual	100%	10% (W)	As per drawing & specification	As per drawing & Specification	Supplier record	BHEL/TPIA	
5)	Packing to avoid transit damage	Visual	Visual	100%	20% (W)	As per drawing & specification	As per drawing & specification	Packing list for each kit box	BHEL/TPIA	Packing to be such that no damages should occur during transit. 1 kit items should be placed in on 1 box

RR: RECORD REVIEW X, W: WITNESS, TP: THIRD PARTY INSPECTION AGENCY, TP: TASK PERFORMER

Prepared By

अमित सेन / AMIT SEN  
अभियंता / Engineer  
1240HB TTHB/लघुमार्ग, लघु ई चलाये  
जोसिम W.T.Q. मध्य प्रदेश  
क्यू.टी.एम. विभाग / Q.T.M. Division  
श्री एच.ई.एल., भोपाल / BHEL, BHOPAL

Approved By

राहुल टोपा / RAHUL TOPA  
प्रबंधक / Manager  
क्यू.टी.एम. विभाग / QTM Division  
श्री एच.ई.एल., भोपाल / BHEL, BHOPAL