

## BHARAT HEAVY ELECTRICALS LIMITED, RUDRAPUR

Quality Assurance Plan for Electro plating of Tin on Copper/ Al. & its Alloys.

FINAL INSPECTION

VENDOR's WORK/ BHEL

Doc No.: QP/BD/EP-01,

REV.No.: 00

DATE: 23.11.2020

Page 1 of 1

		AND AND DESCRIPTION OF STREET								1		30)	
SI. No.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUAN OF CI M		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	M	C		REMARKS
1.	Inspection of Electroplated Surface	a) Surface Finish. b) Thickness of Plating. c) Adhesion Burnishing Test.	B B	V I T	100% 100% Sample	*Sample *Sample	BHEL Drg./ IS 1771 (General), IS 3203 (Thicknes Measurement) SG 15605 (for Al., AA 0673602 (for Cu.)	s document	TC/OS	P P	W W W		CHP (Insp. By BHEL/ TPIA at vendor's work)  *No. of Samples taken for witness is at the discretion of BHEL/IS

## **Important Note:**

- 1) Vendor to strictly follow the process requirement stages as per Product Standard & reference documents as mentioned in above table).
- 2) Surveillance Process Inspection can be done by BHEL for any plating job in progress.
- Cleaning/ Surface preparation/Buffing to be done effectively prior to plating as per Product Standard.
- Packing of electroplated jobs shall be inspected at vendor's work Or at the time of receiving at BHEL works. Vendor to ensure packing protection during transit.
- Packing of electroplated jobs shall be in line with latest packing scheme provided by BHEL.
- QAP prepared on the basis of inputs received from Engineering Deptt. email dated 28th Aug'2020. Also, the acceptance of QAP Tests is given by Engineering vide Email dt 23rd Nov' 2020.

## LEGEND: -

CLASS A: CRITICAL B: MAJOR

TYPE OF CHECK V: VISUAL I: MEASUREMENT

M: VENDOR / SUB CONTRACTOR C: BHEL / BHEL NOMINATED INSPECTION

AGENCY N: CUSTOMER

**AGENCY** 

SCOPE

P: PERFORMER V: VERIFICATION

W: WITNESS

CHP: CUSTOMER HOLD POINT

FORMAT OF RECORD

TC: TEST CERTIFICATE OS: OBSERVATION SHEET

Drg.: DRAWING

Prepared & Checked by

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