Station Maintenance Report

Zone	Station	Date
ER	Barddhaman	2025-12-24

SCHEDULE CHECK – QUARTERLY

S.No	Details of Equipment	Name/Number	Date of Commissioning	Required Value	Observed Value	Remarks	Images
1	Signalling and Interlocking Plan	43222222222222222222	2026-01-01	There shall not be any change in the SIP No.	rffffffffffffffffffffffefvd	jdjhgden	' Image
2	RFID Tag Layout	23432432	2026-01-01	The RFID Tag layout shall be based on SIP layout No mentioned above. Date of Commissioning on RFID Tag shall be on or after the Date of Commissioning as indicated in SIP	vffvrfrf	hgeuged	N/A
3	Selection Table.(TOC)	3425454322	2025-12-24	There shall not be any change in Selection Table No.	feeregvvvv	egwuyueewu7e	N/A
4	TCAS Table of Control			The TCAS Table of Control shall be based on Selection Table No mentioned above. Date of Commissioning on TCAS Table of Controlshall be on or after the Date of Commissioning as indicated in Selection Table of the Station			N/A
5	Relay wiring Circuit diagram			There shall not be any change in the Relay Circuit Diagram.			N/A
6	TCAS Wiring Circuit diagram			The TCAS wiring diagrams shall be an integral part of station wiring sheets If not, they shall be separately located in a sealed transparent covers			N/A
7	Is there any noticeable change in relay wiring			There shall not be any changes in the relay wiring			N/A
8	Is there any noticeable change in Power Supply equipment			There shall not be any changes in the power supply eqpt			N/A

MAINTENANCE SCHEDULE – DAILY & MONTHLY

S.No	Location	Maintenance Task Description	Action taken/Range of Voltage levels	Frequency	Equipment condition	Remarks	Images

S.No	Location	Maintenance Task Description	Action taken/Range of Voltage levels	Frequency	Equipment condition	Remarks	Images
1	NMS PC	Ensure E1 network is always healthy and all stations communication is Healthy on line	Ensure all TCAS stations are in working condition in NMS	Daily	jjhugghdeed		N/A
2	TCAS Eqpt Relay Room and LC gate equipment.	Check the communication status of the TCAS Modules (if Any) and DSL modem (if Any)	Relevant Communication and LEDs should be Glow/Blink	Monthly	wehguguew		N/A
3	Radio Tower/Radio Modems	Check the Power voltages at PWR connector of Radio for both radios	23V to 25V to be observed	Monthly			N/A
4	Radio Tower/Radio Modems	Check the communication status of the Radio Modems	Tx LED shall blink alternative radios for every 2 seconds	Monthly			N/A
5	Radio Tower/Radio Modems	Check whether Radios, SRPS, Modems are fixed properly to the frame inside the Location Box	Check for healthy and fixing along with connectors	Monthly			N/A
6	Radio Tower/Radio Modems	Ensure the radio status is healthy	POWER and STATUS LEDs shall not show red indication	Monthly			N/A
7	Radio Tower/Radio Modems	Visually examine all the communication cables are connected properly and radio modems had tighten the corresponding screws	Ensure the tightness of the cables and modem modules	Monthly			N/A
8	Radio Tower / Radio Modems	Ensure the reverse power of Transmitter and receiver antennas is less than 1W	Measure reverse power of all 4 coaxial cables and record. Ensure reverse power is less than 1W for all cables	Monthly			N/A
9	Radio Tower / Radio Modems	Check the 110V DC output for Aviation Warning Lamp in the Location Box is correct and lamp is glowing	Check for correctness	Monthly			N/A
10	Earthing,LA &SPD	Clean surface of the Earth electrode /MEEB/SEEB	Surface should be kept clean	Monthly			N/A
11	Earthing,LA &SPD	Measure the Resistance of the Ring Earth If possible, fill water in the Earth Pits to keep low soil resistance	Resistance Should be 1	Monthly			N/A
12	Earthing,LA &SPD	Check the SPD devices for any signs of physical degradation	Check the Indication LED status of SPD. (If SPD indicates FAIL then replace)	Monthly			N/A
13	Earthing,LA &SPD	Check Lightning Arrestor at the top of the tower connection at copper wire to Ring earth. Tighten all the connections/Terminations	All the connections to be tightened.	Monthly			N/A
14	Earthing,LA &SPD	Check the serviceability SPD at IPS 110 V DC-DC converter	Check the Indication LED status of SPD. (If SPD indicates FAIL then replace)	Monthly			N/A
15	Earthing,LA &SPD	Check the serviceability SPD at Radio MODEM	Check the Indication LED status of SPD. (If SPD indicates FAIL then replace)	Monthly			N/A
16	SOIP in SM ROOM	Ensure buttons are working properly	Insert SM key and turn to keyIN position. Press and hold each button for 6 seconds and wait for button stuck fault. After releasing, button stuck fault shall disappear from LCD.	Monthly			N/A
17	SOIP in SM ROOM	Ensure SM Key is working properly	The above operation shall fail when SM key is OUT.	Monthly			N/A

MAINTENANCE SCHEDULE – QUARTERLY & HALF YEARLY

S.No	Location	Maintenance Task Description	Action taken/Range of Voltage levels	Frequency	Equipment condition	Remarks	Images
1	IPS Room / Equipment / RelayRoom and Radio Tower	Check the Voltage levels at 110V IPS Mains Input voltage to 110V/24V DCDC modules	100V to 115V	Monthly	hgdygudf	fewyweew	' I m a g e
2	IPS Room / Equipment / RelayRoom and Radio Tower	Ensure DC-DC Modules Fail indication should not Glow.	All Health and power ON Indications should glow.	Monthly	hefwuyfyew	ewygeyfwuew	N/A
3	IPS Room / Equipment / RelayRoom and Radio Tower	Check the voltages at Equipment End OF INTERNAL Supply.	22V to 26.5V to be observed	Monthly			N/A
4	IPS Room / Equipment / RelayRoom and Radio Tower	Check the voltages at Equipment End of EXTERNAL (RADIO)	22V to 24V to be observed	Monthly			N/A
5	TCAS Equipment / Relay Room and LC gate equipment.	Clean the Dust filters, Exhaust fan filters as well as fans	To be free from dust	Monthly			N/A
6	TCAS Equipment / Relay Room and LC gate equipment.	Clean the TCAS equipment	To be free from dust	Monthly			N/A
7	TCAS Equipment / Relay Room and LC gate equipment.	Check all Health Status LEDs ,i.e System health Indication, Output Voltage Indication of system	LEDs should be Glow/Blink	Monthly			N/A
8	TCAS Equipment / Relay Room and LC gate equipment.	Check the Power voltages at Equipment End of Ch-A & Ch-B	23V to 26.5V to be observed	Monthly			N/A
9	TCAS Equipment / Relay Room and LC gate equipment.	Visually examine all the S/A cards are Inserted properly and tighten the corresponding screws	Ensure the tightness of the cards	Monthly			N/A
10	TCAS Equipment / Relay Room and LC gate equipment.	Check the all Wago fuse indications	Check the all Wago fuse indications	Monthly			N/A
11	GPS antenna	Check the communication status of the GPS Receivers	GPS1 and GPS2 LED shall blink in VCC	Monthly			N/A
12	GPS antenna	Check the GPS faults status in 7-segment display in Ch-A and Ch-B	faults shall be present in 7- segment display.	Monthly			N/A
13	GPS antenna	Tighten all the connections/Terminations	All the connections to be tightened.	Monthly			N/A
14	GPS antenna	Clean surface of the GPS antenna modems	Surface should be kept clean Q	Monthly			N/A
15	GSM antenna	Check the communication status of the GSM modems	GSM1 and GSM2 LED shall blink in EVL	Monthly			N/A
16	GSM antenna	Tighten all the connections/Terminations	All the connections to be tightened.	Monthly			N/A
17	GSM antenna	Clean surface of the GSM antenna modems	Surface should be kept clean	Monthly			N/A
18	GSM antenna	Measure the signal strength of GSM-1	(>-85 dbm)	Monthly			N/A
19	GSM antenna	Measure the signal strength of GSM-2	(>-85 dbm)	Monthly			N/A

S.No	Location	Maintenance Task Description	Action taken/Range of Voltage levels	Frequency	Equipment condition	Remarks	Images
20	GSM antenna	Due date for the GSM-1 recharge/Balance amount		Monthly			N/A
21	GSM antenna	Due date for the GSM-2 recharge/Balance amount		Monthly			N/A
22	RFID Fitments	Fitment of the RFID in station section and block section is intact.	Found OK or not	Monthly			N/A
23	TCAS Equipment Relay Room and LC gate equipment.	Relay output voltage to checked in Tapping Relay . Relay output voltage tochecked in Tapping Relay	Should be greater than >22 Volt.Should be greater than >22 Volt	Monthly			N/A