

East Central Railway

**Office of
The General Manager (S&T)
HJP**

No. - ECR/S&T/Sig/Maintenance/Pt-III

Date: - 21.08.2014

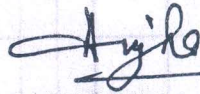
**Sr. DSTEs
DHN, DNR, MGS, SEE, SPJ
East Central Railway**

Sub :- Checklist of IPS and Data Logger for Joint Signature during AMC visit.

Checklist for Data Logger and IPS to be jointly filled by Railway's representative and Firm's representative during monthly visit of firm's representative for AMC is enclose herewith.

The format should be made available at all stations and joint filling of the same must be ensured for proper monitoring of AMC work.

DA: As above.


(A.N.Jha) 21/8/14
CSTE

Copy to: CSE/S & N & CSTE/W/HJP

IPS CHECKLIST BY FIRM'S REPRESENTATIVE & RLY REPRESENTATIVE TO BE FILLED JOINTLY DURING

MONTHLY VISIT OF FIRM'S AMC REPRESENTATIVE

Name Of Station/Cabin:

Date of installation:

Make:

Model:

S. No.	Item Checked	Voltage/ Current of the Module/ Observation	Date of Failure	Date of Rectification	Cause of Failure	Signature of Railway Representative	Signature of Firm's Representative	Remarks of ASTE/DSTE /Sr.DSTE
1.0	230 V Supply							
1.1	Without Load							
1.2	With Load							
2.0	IPS Batteries							
2.1	Nos. & Rating							
2.2	Charging Current							
3.0	Total Load at 110 v (Battery charging +circuit)							
4.0	SMRs Failed							
4.1	1							
4.2	2							
4.3	3							
4.4	4							
4.5	5							
5.0	24-32 V / 5 A DC-DC Converter Internal Failed							
5.1	1							
5.2	2							
5.3	3							
5.4	4							
5.5	5							
5.6	6							

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6.0	24-32 V / 5 A DC-DC Converter External Failed							
6.1	1							
6.2	2							
6.3	3							
7.0	24-32 V / 5 A DC-DC Converter Axle Counter Failed							
7.1	1							
7.2	2							
8.0	12-28 V / 5 A DC-DC Converter Block Local Failed							
8.1	1							
8.2	2							
9.0	12-28 V/5A Panel Indication Failed							
9.1	1							
9.2	2							
10.0	24-32 V/5A Data Logger Failed							
10.1	1							
10.2	2							
11.0	12-28 V/1 A HKT/Magneto Failed							
11.1	1							
11.2	2							

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12.0	24-32V/5A SSI Failed							
12.1	1							
12.2	2							
13.0	3-6 V/0.1 A Block Telephone Failed							
13.1	Up							
13.2	Dn							
14.0	Inverter Failed							
14.1	1							
14.2	2							
14.3	3 (Cold Stand by)							
15.0	Signalling AVR Failed							
15.1	1							
16.0	Track Tx Failed							
16.1	1							
16.2	2							
17.0	Track AVR Failed							
17.1	1							
17.2	2							
17.3	3							
17.4	4							
18.0	Auto Change Over Failed							
18.1	From Inverter 1 to Inverter 2 in failure of Inverter 1							
18.2	From Inverter 2 to AVR in failure of Inverter 2							

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19.0	Remote Alarm Panel of ASM's Room Failed							
20.0	LVDS (Low voltage disconnect switch) Failed							
21.0	Condition of IPS Earth							
21.1	Value of IPS Earth							
21.0	MCB Rating of the input supply							
21.1	Fuse Rating of the input supply							
22.0	Exhaust Fan							
23.0	General Cleanliness of the installation & module							
24.0	Fixing & wiring of the modules							

Name of Firm's Representative:

ID No. of Firm's Representative and valid upto:

Competency Certificate No. & Date along with validity:

Signature & Name of Firm's Representative

Signature, Name & Designation of Railway Representative

DATA LOGGER CHECKLIST BY FIRM'S REPRESENTATIVE & RLY REPRESENTATIVE TO BE FILLED JOINTLY DURING

MONTHLY VISIT OF FIRM'S AMC REPRESENTATIVE

Name of Station/Cabin:		Date of installation:		Make:		Model:			
S. No.	Item Checked	Voltage/ Current of the Module/ Observation	Date of Failure	Date of Rectification	Cause of Failure	Date of Inspection	Signature of Railway Representative	Signature of Firm's Representative	Remarks of ASTE/ DSTE/Sr. DSTE
1.0	General Cleanliness of the equipments and the modules								
2.0	Value of Supply voltage								
3.0	Value of the earth of the equipment								
4.0	Networking Failure								
5.0	Display + Key Board Failure								
6.0	Simulation as per yard or not								
7.0	Validation certificate No. & Date								
8.0	Fault Logic Failures								
8.1	Late operation of home signal Report failure								
8.2	Button stuck up Report-failure								
8.3	Relay room door opened & closed Report failure								

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8.4	Point not set against occupied line-rear end Report Failure								
8.5	Point not set against occupied line-front end Report Failure								
8.6	Signal bobbing without design problem Report Failure								
8.7	Signal bobbing with design problem Report Failure								
8.8	L.C off before adv starter off [Premature operation of TOL] Report Failure								
8.9	Emergency cancellation with EUYR Report Failure								
8.10	Emergency cancellation with EUYNR Report Failure								
8.11	Super emergency cancellation with RRBUNR Report Failure								

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8.12	Signal not lowered even operation is valid Report Failure								
8.13	Signal cleared without route in required state Report Failure								
8.14	Power supply failure- Analog Report Failure								
8.15	Dual detection fail Report Failure								
8.16	Signal Bobbing Report Report Failure								
8.17	Track bobbing Report failure								
8.18	Point bobbing Report failure								
8.19	Point failure Report failure								
8.20	Point loose packing Report failure								
8.21	Timer setting less Report failure								
8.22	Timer setting more Report failure								
8.23	Check the charger Report failure								

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8.24	Blanking of signals Report failure								
8.25	Fusing of signal lamp Report failure								
8.26	Track circuit failure Report failure								
8.27	Power supply failure Report failure								
8.28	Power supply restored Report failure								
8.29	Signal flying back to danger Report failure								
8.30	Route section not released Report failure								
8.31	Sluggish operation of point Report failure								
8.32	Late start of train Report failure								
8.33	Over speeding of train Report failure								
8.34	Clearing signal without route locking Report Failure								

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8.35	Signal assuming green aspect with one or more points in route in reverse condition Report failure								
8.36	Home/ mainline starter signal assuming green aspect with advance starter danger Report failure								
8.37	Point burst Report failure								
8.38	Check for passing of defective/danger signal Report failure								
8.39	Picking up of track circuit when adjacent track circuits are Dn Report failure								
8.40	Route getting released without all the sequential route relays in the route picking Up Report failure								