

East Central Railway

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Office of the
General Manager (S&T)
Hajipur

No. ECR/S&T/Sig/Policy/200/Part-IV / 2116

Date: 12.12.2017

Sr. DSTEs/DHN, DNR, MGS, SEE, SPJ
Dy. CSTE/Works/DHN, DNR, MGS &
Dy. CSTE/Project/HJP


Sub: List of Standard Tool kit for Signal & Telecom Maintenance Staff.

Please find enclosed herewith a list of Standard Tool kit for Signal & Telecom Maintenance Staff as Annexure-I & II.

Division and executing units are requested to arrange tools & plants to all signal and telecom maintenance staff accordingly.

This is issued with the approval of PCSTE/ECR.

DA: Annexure I & II.


(Rajeev Kumar) 12-12-17
Dy. CSTE/Signal
for GM (S&T)/ECR/HJP

Copy to:

- (i) CSTE/Con/South & North/MHX for kind information with request to circulate further to all units under their control.
- (ii) CSTE/Plg, CCE, CSTE/Works kind information please.
- (iii) All S&T Officers of HQ/HJP.
- (iv) Principal/STTC/DNR.

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**East Central Railway
Signal & Telecom Department**

Annexure-I

LIST OF COMMON TOOLS OF SIGNAL MAINTAINER

A. Tools to be available in Tools bag of Maintainer

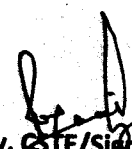
- 1) Tool Bag(to keep necessary tools)
- 2) Multimeter(With frequency and RMS)
- 3) AC Mains supply Tester
- 4) Clamp meter(Ac & DC)
- 5) Cutting Plier(8 Inch)
- 6) Nose Plier (6 Inch)
- 7) Plier(8 Inch)
- 8) Screwdriver Set
- 9) Wire Stripper (5.5 inch)
- 10) Obstruction test piece
- 11) Tommy Bar (18 inch)
- 12) Hammer (1kg)
- 13) Ring Spanner set (17,19,24,26)
- 14) Open end Spanner set (13,17,19,26,32,36,42)
- 15) Adjustable Spanner (10 inch)
- 16) Box Spanner with insulated handle(13)
- 17) Search light torch
- 18) Soldering Iron with resin core and flux. (30 Watt AC 220V and 30 Watt 110V both)
- 19) Connector Pin remover (Q series relay)
- 20) Wago screw driver
- 21) Steel Scale(12 inch)
- 22) Punch (7.2mm and 100mm long)

B. Tools to be available at station for Maintainers

- 1) Train Simulator
- 2) Dummy Wheel
- 3) Socket wrench (with size 19,20,21 and 22)
- 4) Grease Gun
- 5) Insulation Peeler(40mm)
- 6) Allen Key set
- 7) Box spanner set (1/2 inch square driving socket set)
- 8) Measuring Tape (5 feet leather/resin make)
- 9) Friction Type ratchet (adjustable 12 inch)
- 10) Torque wrench (15-26 Nm)
- 11) Hydrometer
- 12) TSR meter
- 13) Drill machine (Electrical 110V AC)
- 14) Screw driver large (For point machine)
- 15) Marking Jig for axle counter
- 16) Screwdriver for connect-disconnect type terminals

Tools to be available at station for JE/SSE (Signal)

- 1) Megger(100V and 500V)
- 2) Earth resistance tester
- 3) Cable route tracer
- 4) Cable fault locator


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**East Central Railway
Signal & Telecom Department**


Annexure-II

A. List of Tools to be kept by Technician (Telecom)

1. Screwdriver set
2. AC Mains supply Tester
3. Nose Plier(6 inch)
4. Plier((8 inch)
5. Wire Stripper(6 inch)
6. Cable Knife
7. Digital Multimeter (Frequency and RMS)
8. Krone tool
9. Wrapping & Unwrapping tool
10. Hacksaw tool(Small)
11. Crimping Tool(RJ11 and RJ45)
12. adjustable spanner (9 inch)
13. Soldering iron and desoldering pump
14. Resin core and flux
15. Receiver(Capsule)
16. Tool bag

B. List of Tools to be kept by SSE/JE (Telecom)

- Optical power meter
- TMS kit
- Signal generator
- Splicing machine
- Megger(100V)
- Earth resistance tester(Digital)
- Cable route tracer
- Cable fault locator


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