East Central Railway

Office of the
General Manager (S&T)
Hajipur

No.-ECR/S&T/SIG/Maintenance/Pt.III. **Date:** 28.01.2015

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

Sub: Summer Precautions.

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In view of ensuing summer season, divisions are directed to launch a drive for summer precautions to minimize effect of high temperature on S&T installation, including following measures:

1. **Track Circuits:**
   (i) Adjustment of track circuit parameters to keep track relay pick up voltage within safe limit.
   (ii) Arresting of creep to avoid crushing of end post of insulated joints. At least one rail length on either side of the insulated joint should be provided with anti-creep devices by Engg. Dept.
   (iii) Provision of J-clip at glued joints by Engg. Dept.
2. **Points**:
   (i) Adjustment of point rodding, adjustable crank, rod compensators for rod operated points.
   (ii) Joint inspection with P.Way staff of points & crossing and track circuits and compliance of deficiencies noted during joint inspections.
3. **Signals:**
   (i) Adjustment of wire run for semaphore signals.
   (ii) Ensuring provision of hood on CLS Signals.
4. **Power Supply:**
   (i) Proper maintenance of IPS and functioning of exhaust fan of IPS.
   (ii) Proper ventilation and exhaust fan in IPS and Battery Rooms.
   (iii) Proper working of auto-change over arrangement of power supply.
   (iv) In coordination with Sr.DEE/DEE, improvement in local power supply of State Electricity Board at identified stations having unreliable & low voltage supply.
   (v) Proper working of stabilizers and inverters at CLS Stations.
   (vi) Proper working of distilled water plant.
   (vii) Checking of battery & ensuring adequate distilled water in cells for maintaining required specific gravity.
   (viii) Cleaning of Solar panels and its proper functioning.
5. **DG Sets:**
   (i) Proper functioning of DG sets and availability of sufficient spare parts.
   (ii) Availability of portable DG sets at strategic locations for use in emergency.

(iii) Adequate stock of diesel oil for working of DG sets during prolonged power cuts.

6. Relay Room:

(i) Proper working of air conditioning equipments wherever available.
(ii) Proper ventilation in relay room for air circulation.
(iii) Cleaning of relay room to make it dust free.
(iv) Visual inspection of relay wiring to ensure proper locking of connector clips.
(v) Cable entries to be sealed.
(vi) Provision of fire alarm / fire extinguisher systems and ensure its proper working.

7. General (Electronic Signalling System / Cable /Block):

(i) Ensuring proper earthing for all Electronic Signaling System and block circuits.
(ii) Tightening of terminals used for cables, equipments, wiring etc.

Station wise compliance of drive must be carried out and the feedback be submitted to this office positively by 28.02.2015.

28/1/2015

(Jagmohan Ram)
CSE/North
***for* GM (S&T)/ECR/HJP**