

SOUTH CENTRAL RAILWAY

Safety.387/Fly Leaf/07/2024.

Fly Leaf No. 07/2024

Attention..... ALL CONCERNED

INSTRUCTIONS FOR IMPOSITION OF EMERGENCY POWER BLOCK.

Ref :- As per ACTM – Volume–II (Part–I) Para 20603 to 20608.

1. Power blocks are of three different types :

- a. Emergency Power block,
- b. Pre–arranged Power block,
- c. Locally arranged Power block.

Power Blocks on the OHE of “Secondary lines” i.e., sidings, yards, sheds etc. arranged by the Station Master, Yard Master, Shed Foreman or Engine Examiner concerned locally come under category (c).

2. In all cases of Power Block, TPC shall place red warning caps on control switches corresponding to interrupters which are kept open for isolating the section. Similarly, warning boards shall be fixed on all manually operated switches opened locally for isolating the section. This shall be done by the operator who opens the switches. These red warning caps and warning boards can be removed only when cancelling the power block. In case SCADA system is in operation instructions issued for the operation of the system shall be followed.

Emergency Power Block : An “Emergency Power Block” shall be arranged by the TPC and 25 KV supply to the OHE affected shall be switched off by him immediately on receipt of an advice of any break–down of the OHE or injury to persons or damage to property particularly in the following cases :

- I. The whole or part of the OHE or a feeder or a cable falling down and or persons or animals or falling trees or vehicles coming in contact with or likely to come in contact with live equipment;
- II. A damaged catenary or contact wire fouling the vehicle gauge;
- III. A damaged electric locomotive getting damaged to rectify which the Driver requires the permit–to–work;
- IV. Derailment or any other traffic accident on the electrified lines, where cutting OFF of 25 KV power supply is considered necessary by TPC or the Section Controller, in the interest of Safety.

Reporting Abnormalities in OHE :

It is the duty of every railway official to report immediately any abnormalities on the OHE which are mentioned in para 20604 or of tracks, masts/structures or pantographs of locomotives as may adversely affect safety of trains movements, to the TPC either directly or through any Station Master. Section Controller or through the nearest available telephone. If the damage is heavy or the moving dimensions are infringed he should take steps to protect the lines in accordance with General and Subsidiary Rules.

Request for Emergency Power Block :

- 1 The person who gives the first information of break-down on the OHE shall invariably give all essential information such as his name, designation, kilometrage where the abnormality has been noticed, its nature and place from where he is reporting. He should leave the place only with the permission of the TPC.
- 2 The reason for asking an emergency power block should be brief and to the point, but explicit. Much time and trouble can be saved if the first information given is clear and unambiguous to enable the TPC to decide upon the course of action to be taken.

Action to be taken by the TPC :

On receiving the information the TPC shall immediately arrange to switch off power supply to the section affected (the details of defects being obtained after the supply is switched off). He shall at the same time advise the section controller on duty the section made dead by him. The section controller in turn should arrange with the Station Masters concerned to take protective measures in accordance with "Station working Rules".

Precautions after Emergency Power Block imposed :

Once an emergency power block imposed, no work on the affected lines shall be commenced until an authorized OHE official arrives at site and earths the OHE at two points or more as per rules. Power supply to the section concerned shall not be restored by TPC until the authorized official at the site issue a message supported by private number.

PRINCIPAL CHIEF SAFETY OFFICER

SAFETY ORGANISATION

SOUTH CENTRAL RAILWAY