

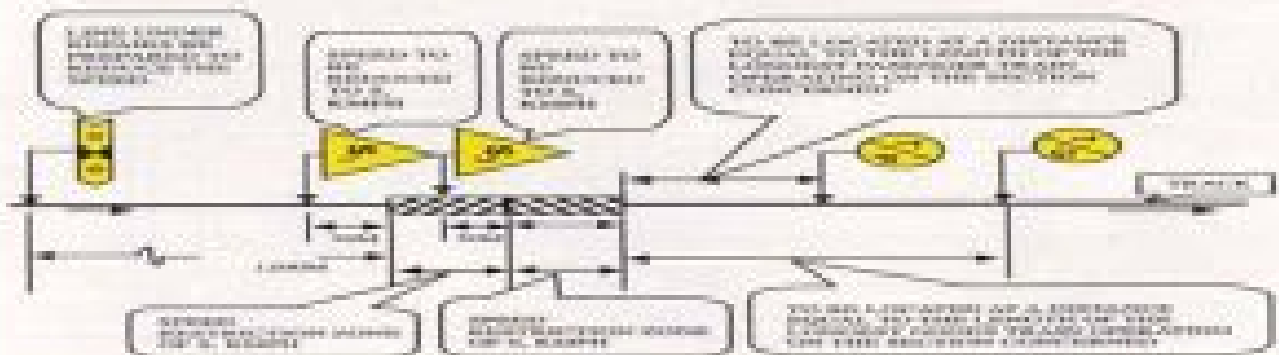
संरक्षा शाखा
सोलापुर मंडल



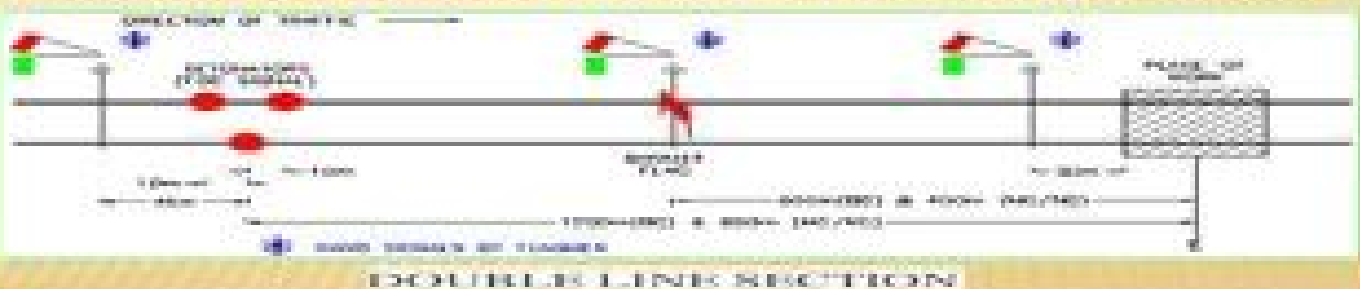
Safety Branch
Solapur Division

संरक्षा परिपत्र Safety Circular 02/2021-22

POSITION OF ENGINEERING INDICATORS IN CASE OF MULTI SPEED RESTRICTIONS -- CASE-15,16 --



PROTECTION OF LINE IN CASE OF WORKS OF SHORT DURATION AT STOP DEAD RESTRICTION



**विषय : इंजीनियर कार्य स्थलों पर संरक्षा बरते जाने वाले
पूर्वोपाय ।**

**Sub:- Safety at Engineering work sites - Precautions to
be taken.**

दिनांक/Date : 26.04.2021

Central Railway

No.SUR/SFT/S/103

SAFETY CIRCULAR – 02/2021-22

All concerned / SUR

DRM's Office
Safety Branch, Solapur
Dt. 26.04.21

SUB: Safety at Engineering work sites – Precautions to be taken.

WORKS REQUIRING COMPLETE BLOCK PROTECTION

A. Category of works where track is required to be occupied are:-

- a) Working of on - track machines
- b) Working of material trains or girder specials
- c) Working of dip-lorries
- d) Working of motor trolleys.

B. Category of works where discontinuity in track

1. Discontinuity in track is created

2. May result discontinuity in running track

- a) Through rail renewal
- b) Casual rail renewal
- c) Replacement of SEJ/Buffer rail
- d) Replacement/insertion of glued joint
- e) Temporary/permanent repairs of rail fractures
- f) Temporary/permanent repairs to buckling.
- g) Replacement of switch / crossing or any part of turnouts.
- h) De-stressing of LWRs
- i) In-situ welding of rails.
- j) End cropping and welding.
- k) Through renewal of bridge sleepers.
- l) Replacement of girder with slabs.
- m) Removal of rail from track for any purpose.

WORKS WITHOUT BLOCKS BUT WITH IMPOSITION OF SUITABLE SPEED RESTRICTION

(With adequate protection and other safety measures)

- a) Through sleeper renewal.
- b) Deep screening.
- c) Lifting / Lowering of track.
- d) Realignment of curves.
- e) In situ reconditioning of points and crossing.
- f) Pre & Post de-stressing operation.
- g) Adjustment of creep
- h) Adjustment of gap in SWR.
- i) Casual renewal of sleeper in tunnel.
- j) Lubrication of rail joints by gang.
- k) Major over hauling of LC gates.

WORKS WITHOUT BLOCK AND WITHOUT ANY SPEED RESTRICTION

**A) Work Requires Look Out Caution Order: - OEHS
(with adequate protection and safety measures)**

- a) Working of rail dolly.
- b) Works involves mass labor / noise /restricted visibility due to dusty conditions, such as in BCM working-caution order to be issued to trains on adjacent line.
- c) Casual replacement of bridge sleepers.
- d) Changing of guard rail on Girder Bridge.

- e) Changing of loose rivets on girder bridges.
- f) Painting of bridge girder
- g) Working of power driven rail drilling machines.

B) Works not Requiring any Caution Order

(with adequate protection and safety measures)

- a) Through packing .
- b) Shallow screening.
- c) Casual replacement of sleeper.
- d) Replacement of isolated fish plate.
- e) Painting of rails and welds.
- f) Oiling of fitting
- g) USFD operation
- l) Drilling of holes in rail with hand operated ratchet.
- h) Repairs to cess.
- i) Lubrication of rail joints by Key man
- j) Minor Overhauling of level crossings

CHECK LIST WHILE WORK IS IN PROGRESS

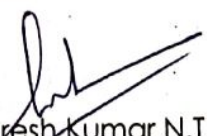
- 1) Does the knowledge of supervisor on safety of track and work site up to the mark?
- 2) Are adequate safety precautions taken?
- 3) Are communication facilities (walkie – talkie sets) available at site?
- 4) Are adequate protection equipment available at site?
- 5) Is caution order to trains being issued ?
- 6) Are train drivers following the enforced temporary speed restrictions ?
- 7) Has work permit been taken for working in electrified territory / station yards(P&C areas) ?

PRECAUTIONS REQUIRED TO BE TAKEN DURING EXECUTION OF WORK REQUIRING TRAFFIC BLOCK

- 1) Any work which in-fringe the moving dimensions shall be started only after the traffic block has been imposed and the track protected.
- 2) At locations where night working is unavoidable, proper lighting arrangements should be made.
- 3) Before closing the work, the track shall be left with the proper track geometry so that the trains run safely.
- 4) After completion of work, the released sleepers and fittings should be properly stacked away from the track to be kept clear of moving dimensions.
- 5) Block shall be removed only after all the temporary arrangements machineries, tools, plants etc. have been kept clear off standard moving dimensions.

STACKING OF MATERIAL ALONG THE RAILWAY TRACK.

- 1) The sites for material stacking shall be selected in advance ensuring that, no part of the stacked material would infringe the standard moving dimensions. A plan of proposed stacking locations be made and signed jointly by an authorised Railways representative and contractor's representative.
- 2) The selected locations shall be marked by lime in advance.
- 3) Presence of an authorised Railway's representative while unloading and stacking materials shall be ensured.
- 4) The material shall be stacked up to such a height which will not cause infringement to SOD in case of accidental roll off.


(Suresh Kumar N.T.)
Sr.DSO/SUR