

Technical Policy Circular-108

Sub: Technical Policy Circular – 108 on of the cable route marker over Eastern Railway

1. The cable marker shall be as per ER Drawing DRG NO. S.I.- S&T /1/2024(SHEET NO.1)
2. The cable markers to be provided in all type of S&T cable route including Main and Tail cable, at a place either side of track and for different route.
3. The cable marker shall be provided at distance of not more than every 30 mtrs on the cable route and diagonally two at places wherever the cable route changes.
4. If at a distance of 30 mtrs on cable route due to culvert, bridges, track crossing, sharp changes from centre line etc., then route marker shall be placed at lesser interval based on the site condition. Additional markers shall be provided to indicate important points like cable joints, water and sewage mains, power cable crossings, alignment bends/curves etc.
5. Position of marker shall be marked in drawing with chainages. Division shall maintain the cable route markers as per drawing periodically. Also division shall have a suitable mechanism by way of agencies for immediate replacement of damaged/missing cable marker.
6. It must be ensured that sufficient cable markers are casted in advance and placed along the trench before closing. Marker shall be placed in the trench during closing the trench such that there is NO POSSIBILITY OF PUTTING MARKERS AT WRONG LOCATION.
7. Colour scheme shall be as per Telecom Manual i.e. RED for sigg, GREEN for QUAD JOINTS, YELLOW for OFC JOINTS. However the engraving can be common for all the markers i.e. "ER S&T CABLES".
8. CABLE ROUTE PLAN SHALL BE PREPARED IN TERM OF 1 KM section with route offset measured at every 30 mtrs i.e. Cable Marker location. Preferably cable Route Locators/Tracers with GPS plotting shall be used.

This is issued with the approval of PCSTE/ER.


22.04.24.
(Partha Sarathi Bhattacharyya)

Chief Communication Engineer/ER

Docket No. SG.115/13/0

Copy to:

1. CSE, CSTE/plg, CSTE/Project, CSTE/Con, CSTE/HQ
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3. Dy.CSTE/W/HWH,SDAH,ASN, Dy.CSTE/GSU/SDAH
4. Dy.CSTE/HQ, Dy.CSTE/Tele/HQ

SAMPLE PICTURES FOR ILLUSTRATION PURPOSE

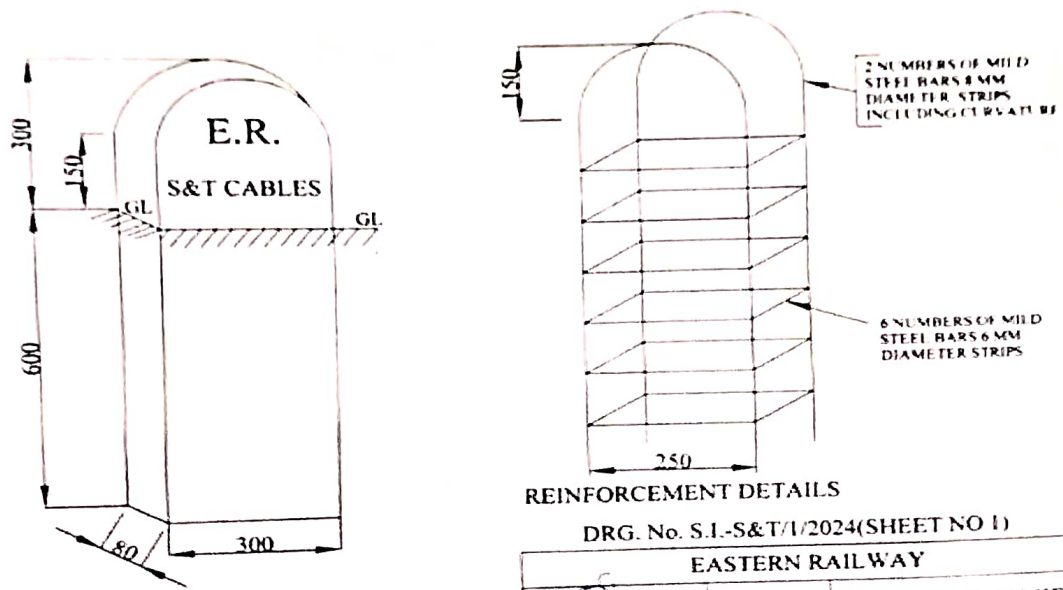


RCC CABLE ROUTE MARKER

Sunand
22/04/24
Dy. CSE/T/H&R

Pami
22/04/24
ASTE/tele/11/H&R

ER Drawing of cable Marker



NOTE:-

1. CONCRETE MIX SHOULD BE 1 CEMENT 2 SAND 4 HARD STONE AGGREGATE 20 MM NORMAL SIZE i.e. 1:2:4.
2. FINISHING SHOULD BE SMOOTH A DISTANCE OF 450 MM FROM TOP.

REINFORCEMENT DETAILS

DRG. No. S.I.-S&T/1/2024(SHEET NO 1)

EASTERN RAILWAY		
SS/TELE/HQ	S&T CABLE MARKER	(NOT SCALE) (ALL DIMENSION ARE IN MM)
AST/TELE/HQ		
DY. CSTE /TELE/HQ		

All type of S & T cable route marker:

1. All sides above ground to be painted with RED enameled paint to IS specifications with 2 coats.
2. The concrete composition to be added as 1:2:4
3. Engraved portion to be painted with WHITE enameled paint to IS specifications with 2 coats.

OFC joints marker:-

1. All sides above ground to be painted with YELLOW enameled paint to IS specifications with 2 coats at OFC joints.
2. RLY TELE OFC to be engraved on both sides.

QUAD joints marker:-

1. All sides above ground to be painted with GREEN enameled paint to IS specifications with 2 coats at Quad joints.
2. RLY TELE QUAD to be engraved on both sides.

Swad
22/04/24
DY. CSTE/TE/HQ

23/04/2024
ASTE/TELE/HQ