

East Central Railway

Office of the
General Manager
(Signal & Telecomm)
ECR, Hajipur

Dated: 22.12.2024

No. ECR-HQ0SnT (OTH)/7/2024
(Comp.no. 279747)

Sr.DSTEs/
DDU/DHN/DNR/SEE /SPJ,
Dy. CSTE/Works
DDU, DNR, DHN & HJP
East Central Railway.

Sub: Typical Drawing of RCC Cable Duct size 290mm for S&T Cable laying.

Ref: Director/Signal/III/RDSO letter No. STS/E/Cable-laying Practices Vol. IV
date 19.12.2024.

Please find enclosed herewith the above referred provisional RDSO typical drawing (SDO/S&T/RCC DUCT/1025) of RCC Cable Duct size 290 mm for S&T Cable laying.

In view of above all divisions and units are requested to send feedback/suggestion to improve the same if any to HQ.

DA: As above.

(Rajiva Shekhar)
ASTE/Signal/HJP
for GM (S&T)/ECR/HJP

Copy to:

- CSTE/Const./North & South & CSTE/Works for kind information & necessary action please.



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dirs3@rdsso.railnet.gov.in



सत्यमेव जयते

Government of India - Ministry of Railways
Research Designs & Standards Organisation
LUCKNOW -226011

Room No. 206 S&T Directorate, Annexe-I Building,
ManakNagar,LUCKNOW-226011

No.: STS/E/Cable-Laying Practices Vol-IV

Date: 19.12.2024

प्रमुख मुख्य संकेत एवं दूरसंचार अभियन्ता,	Principal Chief Signal & Telecom Engineer,
मध्य रेलवे, मुम्बई सी.एस.टी.- 400001	Central Railway, Mumbai CST-400 001
पश्चिम रेलवे, चर्चगेट, मुम्बई- 400020	Western Railway, Churchgate, Mumbai - 400 020
पूर्व रेलवे, फेयरली प्लेस, कोलकाता- 700001	Eastern Railway, Fairlie Place, Kolkata - 700 001
दक्षिण पूर्व रेलवे, गार्डनरीच, कोलकाता-43	South Eastern Rly., Garden Reach, Kolkata - 43
उत्तर रेलवे, बड़ोदा हाउस, नई दिल्ली- 01	Northern Railway, Baroda House, New Delhi- 01
पूर्वोत्तर रेलवे, गोरखपुर- 273012	Northeastern Railway, Gorakhpur -273 012
पूर्वोत्तर सीमान्त रेलवे, मालीगांव, गुवाहाटी-11	North Frontier Railway, Maligaon, Guwahati- 781 011
दक्षिण रेलवे, पार्क टाउन, चेन्नई- 600 003	Southern Railway, Park Town, Chennai -600 003
दक्षिण मध्य रेलवे, सिकन्दराबाद - 500 371	South Central Railway, Rail Nilayam, Secunderabad-71
पूर्व मध्य रेलवे, हाजीपुर - 844101	East Central Railway, Hazipur-844101
उत्तर पश्चिम रेलवे, जयपुर-300206	North Western Railway, Jaipur-300206
पूर्वतटीय रेलवे, ग्राउन्डतल, उत्तरी ब्लाक, समन्तविहार, भुवनेश्वर-17	East Coast Railway, Rail Vihar, Ground floor, North Block, Samant Vihar, Bhubneshwar -17
उत्तर मध्य रेलवे, गंगा काम्पलेक्स, सूबेदारगंज, इलाहाबाद - 211012	North Central Railway, Ganga Complex, Subedarganj, Allahabad- 211012
दक्षिण पश्चिम रेलवे, क्लब रोड, केशवपुर, हुबली-580023	South Western Railway, Club Road, Keshavpur, Hubli-23
पश्चिम मध्य रेलवे, जबलपुर - 482001	West Central Railway, 2 nd floor, DRM Office, Jabalpur-482001
दक्षिण पूर्वोत्तर रेलवे, आर०ई० ऑफिस काम्पलेक्स, बिलासपुर-495004	South East Central Railway, R. E. Office Complex, Bilaspur-495004
मैट्रो रेलवे, 33/1, जवाहर लाल नेहरू रोड, कोलकाता- 700 071	Metro Railway, 33/1, Jawaharlal Nehru Road, Kolkata - 700071
कोर, नवाब युसुफ रोड सिविल लाइन्स इलाहाबाद- 211 001	CORE, Nawab Yusuf Road, Civil Lines, Allahabad- 211 001
निदेशक/इरिसेट, तारनाका रोड, लल्लागुडा, पीओ सिकन्दराबाद-17	Director/IRISET, Tarnaka Road Lallaguda, P.O Secunderabad -17

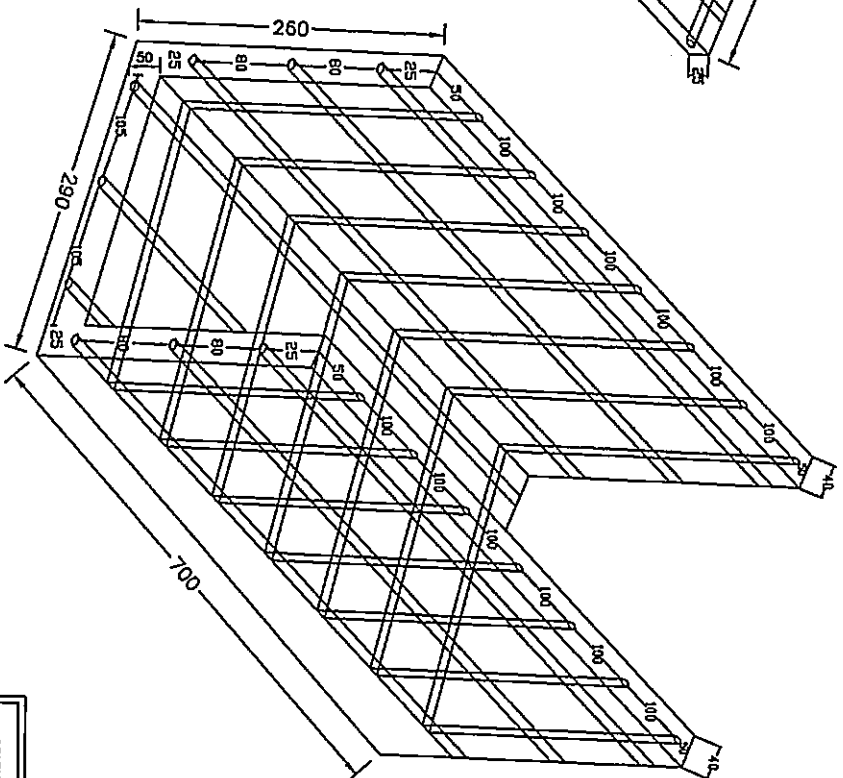
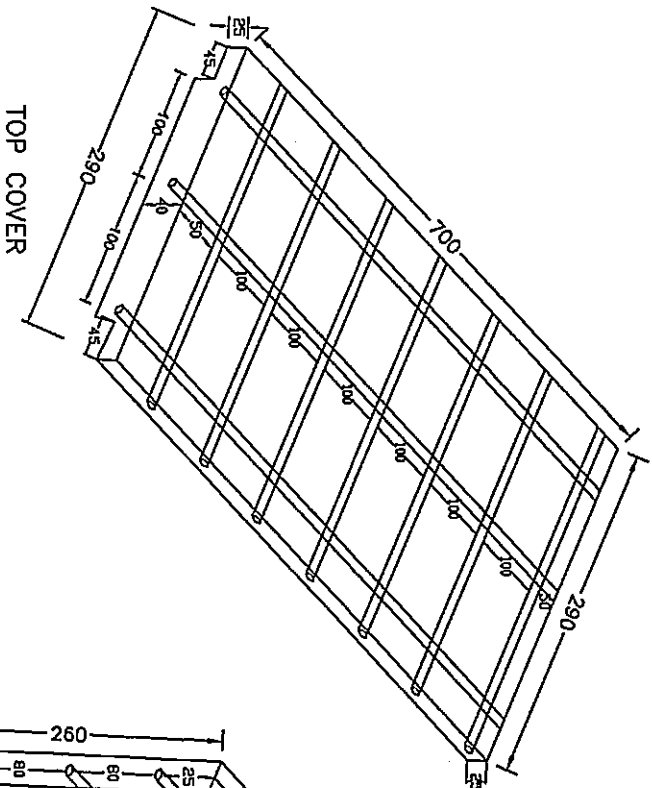
Sub.: Typical Drawing of RCC Cable Duct of size 290 mm for S&T Cable laying.

In view of above subject, a typical drawing of RCC cable duct of size 290 mm for S&T Cable laying is prepared by RDSO is issued for use of zonal Railways. This drawing is provisional. Any feedback/suggestion to improve the same further, may please be sent to dirs3@rdsso.railnet.gov.in & dirs3@rdsso@gmail.com.

This has approval of the competent authority.

DA: 01 No. drawing of RCC cable duct.

(Y.P. SINGH)
Director/Signal-III
RDSO/Lucknow



NOTE

1. TRUNKING AND CAPPING ARE SUITABLE FOR BURYING ADJACENT TO THE TRACKS IN TRENCHES WITH MINIMUM DEPTH OF 600mm.
2. THE TRUNKING TO BE ALIGNED BY PUTTING AN MS ROD OF 8mm DIA. x 1000mm LONG AS PER IS 432 PART CD - 1982 IN THE TWO HOLES PROVIDED.
3. 6mm DIA. HIGH STRENGTH DEFORMED STEEL BARS CONFORMING TO IS 11786 TO BE USED FOR REINFORCEMENT.
4. M-25 GRADE CONCRETE TO BE USED CONFORMING TO IS 10262 - 1982 AND IS 436 - 2000 - 10mm SIZE CRARSE AGGREGATE TO BE USED.
5. OPC OF 43 GRADE TO BE USED CONFORMING TO IS 8112 - 1989.
6. THE ACCEPTANCE TEST SHALL BE CONDUCTED IN A RECOGNISED LABORATORY AND THE COST OF THE TEST AS CHARGED BY THE LABORATORY SHALL BE BORNE BY THE CONTRACTOR.
7. CURING SHALL BE DONE AS PER THE IS 436 - 2000.
8. TEST MAY BE IN SITU OR FACTORY MADE.
9. ONE HOLE EACH OF 8mm DIA. AND 500mm DEPTH SHALL BE PROVIDED ON ALL FOUR SIDES AT A DISTANCE OF 150mm FROM THE EDGE IN THE BASE.
10. ALL DIMENSIONS ARE IN mm.

TRUNKING

R.D.S.O.

TYPICAL DRAFTING FOR RCC
CABLE DUCT OF SIZE 290MM FOR
LAYING S&T CABLE

PROVISIONAL DATE - . 2024

DRAWING NO. SDO/S&T/RCC DUCT/1025

NOTE

SPECIFICATION

SCALE

ALT

DESCRIPTION

PREPARED BY- S&T/S&T

CHECKED BY- J&E/SCM-V

SCORINGED & RECOMMENDED BY

APPROVED BY

ED/SCM

DATE - . 2024

19-12-2024

19-12-2024

19-12-2024

19-12-2024

19-12-2024

19-12-2024