




CORRIGENDUM No. - I

Sub: Open Tender No.: RailTel/Tender/NR/Unarmoured OFC/2018-19/21, Dated 30.03.19.

Ref: OT Notice posted on RailTel website on 22.04.2019.

With reference to the above Open Tender, following amendments to the Tender Document are issued as under:

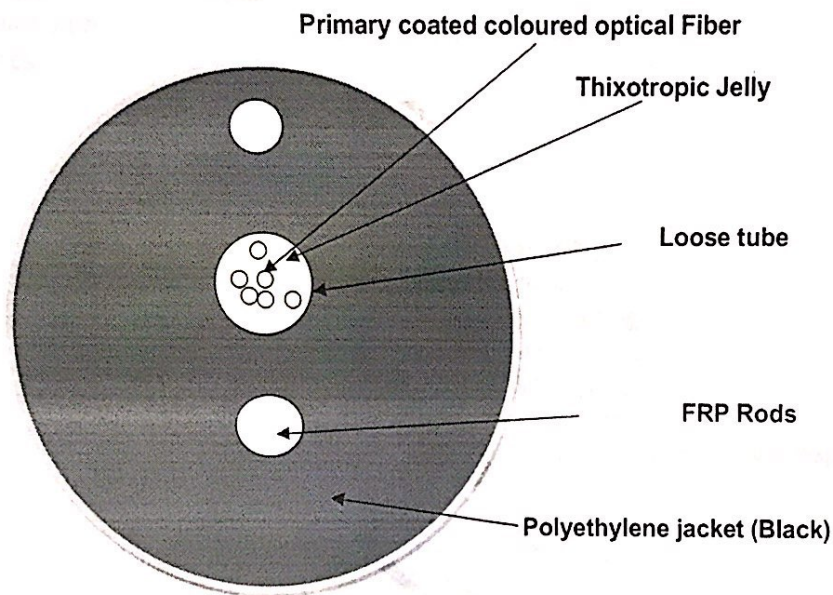
SN	Existing Tender Conditions/Clause	Corrigendum/ Amendment to Tender Conditions /Clause
1	E-Tender down loading.: From 16.04.2019 to 08.05.2019 Online Only	E-Tender down loading.: From 16.04.2019 to 14.05.2019 Online Only
2	Last date & Time of downloading: Up-to 14:30 hrs. on 08.05.2019 Online only	Last date & Time of downloading: Up-to 14:30 hrs. on 14.05.2019 Online only
3	Submission of e-Bids: Up-to 15:00 hrs on 08.05.19 (if the date of opening happens to be a holiday the tender will be opened on next working day at same time.) Online only	Submission of e-Bids: Up-to 15:00 hrs on 14.05.19 (if the date of opening happens to be a holiday the tender will be opened on next working day at same time.) Online only
4	Opening of e-Bids: At 15:30 hrs on 08.05.2019 Online Only	Opening of e-Bids: At 15:30 hrs on 14.05.2019 Online Only
5	Technical Specification for 6 FIBER/24 FIBER UNARMoured OFC ➤ 6 Fiber/24 Fiber Unarmoured OFC should be conforming to ITUT G.652 D.	Technical Specification for 6 FIBER/24 FIBER UNARMoured OFC ➤ 6 Fiber/24 Fiber Unarmoured OFC should be conforming to ITUT G.652 D. ➤ Construction of OFC Attached at Annexure A


(YP Singh Malik)
General Manager/Project
For Regional General Manager/NR

रेलटेल कॉर्पोरेशन ऑफ इण्डिया लिमिटेड (भारत सरकार का एक उपक्रम, रेल मंत्रालय)
RailTel Corporation of India Ltd. (A Government of India Undertaking, Ministry of Railways)
Northern Region & Regd. Office : 6th Floor, Block-III, Delhi IT Park, Shastri Park, Delhi -110053.
CIN : U64202DL2000GOI107905 Tel. : +91 (11) 22185933, 22185934 • Fax : +91 (11) 22185978
E-mail : ednr@railtelindia.com • www.railtelindia.com
कॉरपोरेट कार्यालय : प्लॉट नं० 143, संस्थानिक क्षेत्र, सेक्टर-44, गुडगांव-122003 (हरियाणा)
Corporate Office : Plot No. 143, Institutional Area, Sector-44, Gurgaon-122003 (Haryana)
Tel. : 0124-4236084, 85, 89 • www.railtelindia.com

Technical specification of 6F OFC

Construction of OFC 6F



Specification for 6F Fiber (G-652 D) Single mode Fiber Optic Cable

Attenuation of Cabled Fiber:

At 1310nm	: ≤ 0.40 dB/KM
At 1550nm	: ≤ 0.25 dB/KM

Construction:

Primary Coated Fiber	: Single Mode (As per G-652)
Type	: Uni-tube
Tube filling compound	: Thixotropic Gel
Loose Tube	: PBTP
Strength Member (D=1.0mm)	: FRP rod of music spring grade (2 nos)
Jacket	: Black HDPE with Anti termite

Drum Length

- | | |
|-----|--|
| (1) | Drum Length : 2 KMs +/- 10%. |
| (2) | Tolerance : Total Quantity can vary 5% of order quantity. |
| (3) | OFC length in Drum: 5% of the total order quantity may vary with drum length of 2 KMs +/- 25%. |

Technical Data Sheet of 24 Fibre Single Mode (G652D) Central tube, Single sheath Optical Fibre Cable

(1) Mechanical Characteristics

Temperature Range (IEC 60794-L-2-F1)

Laying and Installation -20° to +70 ° C

Operation -20° to +70 ° C

Transport and Storage -20° to +70 ° C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 10 X D, D = Cable Diameter

Installed 20 x D, D = Cable Diameter

30 Cycle, r= 20 X D, 5 Kg Load, D = Cable Diameter

500N

10 cycle (± 180°) 5 Kg weight, L= 2 Mtr

Repeated Bending (IEC 60794-1-2-E6)

Tensile Force (IEC 60794-1-2-E1)

Torsion Resistance (IEC 60794-1-2-E7)

(2) OPTICAL CHARACTERISTICS:

For Single Mode Fibres:

at 1310 nm

≤ 0.40 dB/Km

at 1550 nm

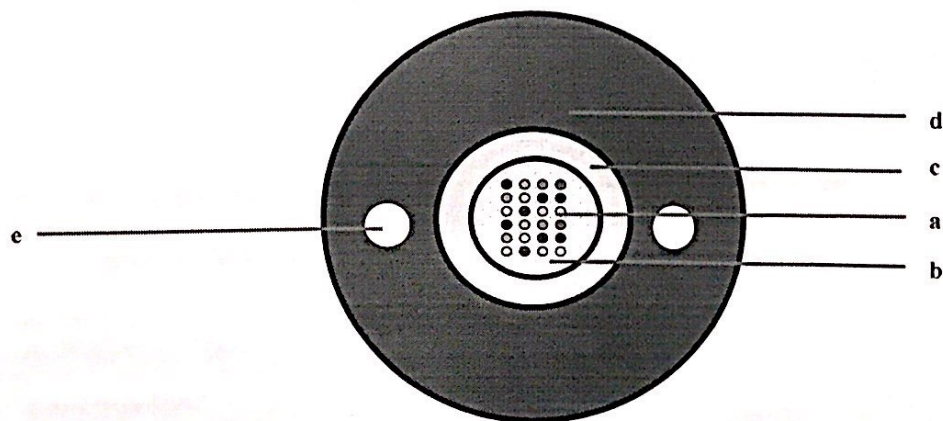
≤ 0.25 dB/Km

(3) COLOUR CODING:

Colour of Fibres in a Tube:

Blue, Orange, Green, Brown, Slate, White,
Red, Black, Yellow, Violet, Pink, Aqua,
Blue with Black Ring, Orange with Black Ring,
Green with Black Ring, Brown with Black Ring,
Slate with Black Ring, White with Black Ring,
Red with Black ring, Natural, Yellow with black Ring ,
Violet with Black ring, Pink with Black ring & Aqua with Black Ring.
Natural

Colour of Tube :



(4) CABLE CONSTRUCTTONAL DETAIITS:

a) Primary Coated Fibre

b) Tube Filling Compound

c) Loose Tube

d) Outer Sheath(T=2.0mm Nom)

e) Strength member (D=1.0mm)

5) Delivery Information:

Normal Cable Weight (kg/km)

Nominal Cable Diameter (mm)

Standard Length per Drum (Mtr)

Single Mode- G652D

Thixotropic Jelly

PBTP

HDPE Black

FRP ROD (2Nos.)

24F

40

7.0 ± 0.5mm

2000 ± 10%