

Detail Project Report

JIO DIGITAL FIBRE PRIVATE LIMITED

OFC Network

DGPS Survey report for Forest Diversion of proposed OFC Cable Route from Ramapur to Mathanahalli total length of 59.56km

1.1 Background Reliance Jio Infocomm Limited is setting up 4G Optical Fiber Cable network across the country. In the state of Karnataka, the company plans to set up the telecom network (including laying of OFC cable) along the NHAI/PWD Road corridor. Reliance Jio Infocomm is granted license by Ministry of Communications & IT, Dept. of Telecommunications, and Govt. Of India, to establish Optical Fiber Cable network. The OFC Cable is laid under the ground at approx. depth of 1.65m and the trench width is 0.5m. In most of the places the cable trench line on National Highways is approx. at a distance of 14.5m from the road centerline and for State/District highways it is approx. 7m from the road center line.

1.2 Location and Communication The proposed OFC Cable route from Karkala to Sringeri total length of 33.652km (Tehsil: Karkala & Sringeri District: Udupi & Chikkamagaluru) is on the National Highway corridor NH-13. The route length is approx. 33.652 km. The National Highway 13 links the town Karkala to Sringeri. OFC cable route falls in two tehsils: Karkala and Sringeri of the Udupi and Chikkamagaluru district. The survey site passes through two forest ranges – Palli and Katghora of Katghora forest division. The cable route's proposed starting point is Palli Village Latitude 22°22'35.3551"N and Longitude 82°19'39.7134"E and the end location is Katghora at Latitude 22°33'16.76" N and Longitude 82°32'49.29" E. The OFC Cable route is covered under Survey of India Toposheet 48 O/3 and 48 O/4 on RF 1:50000.

1.3 Objective As per directives of Ministry of Environment & Forests (MoEF) dated 8th July 2011; all applications for Forest Diversion, under Forest Conservation Act, 1980 must be accompanied with Geo-referenced shape file, showing the boundary of the proposed area (both soft copy and hard copy maps), prepared using Differential GPS (DGPS) and the same should be uploaded to MoEF website along with the online application. To meet this requirement of MoEF, Reliance Jio Infocomm Limited, entrusted the DGPS survey work and submitting online application through MOEF website as required.

1.4 Google Picture of proposed OFC route:



1.5

1.4 TOPO Sheet Showing Proposed OFC route:

APPLICATION DRAWING FOR SEEKING APPROVAL FOR LAYING UNDERGROUND OPTICAL FIBER CABLE IN
EDYARHALLI RESERVE FOREST, IN CHARAMAJANAGARA DISTRICT.

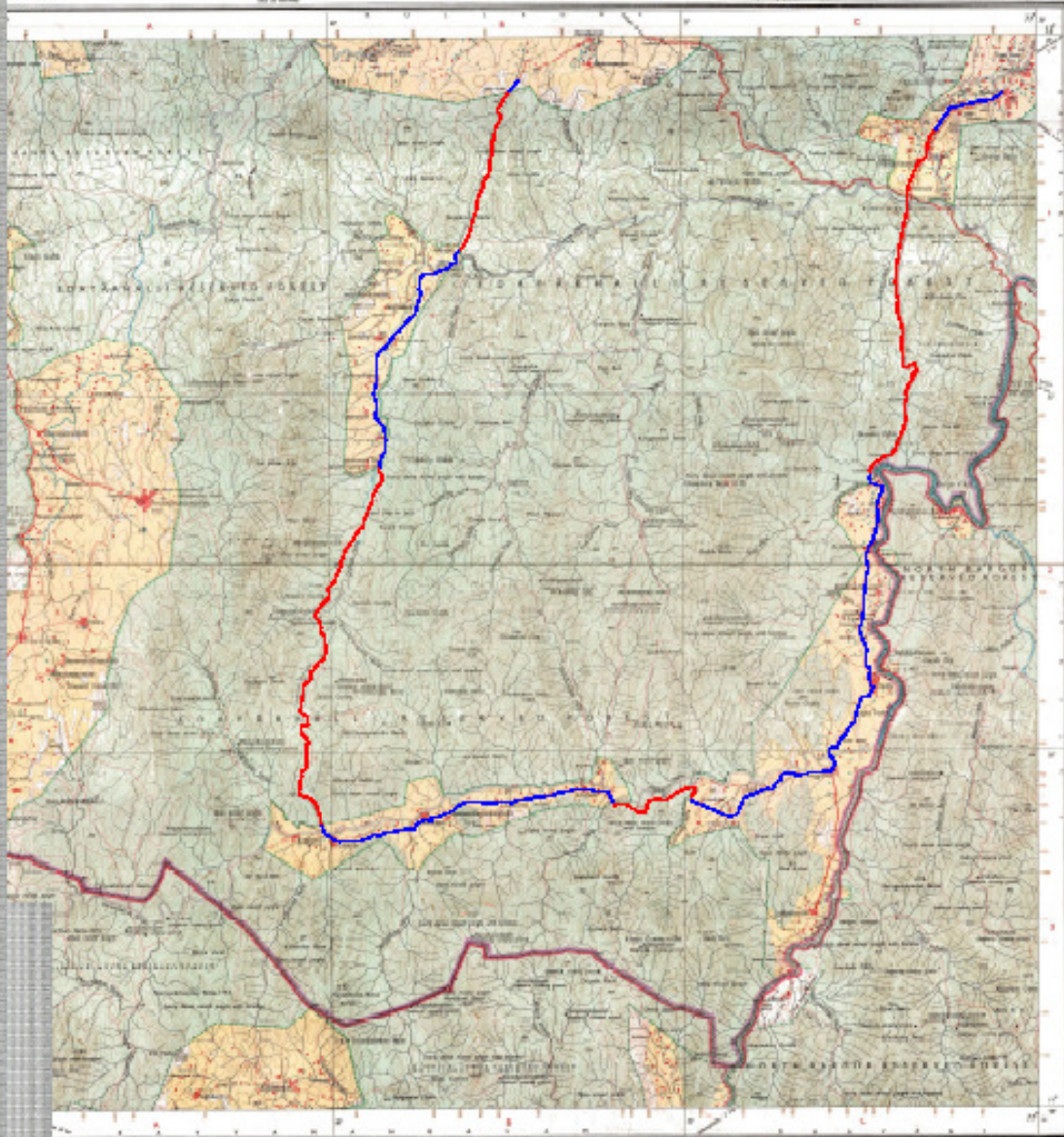


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KARNATAKA, TAMIL NADU

FWP 007024

Map scale: 1 cm = 1 km (1:100,000)

No. 58



Map scale: 1:50,000
Map projection: UTM
Datum: Everest
Zone: 48 N
Units: Meter
Map scale: 1 cm = 1 km (1:100,000)



Map scale: 1:50,000
Map projection: UTM
Datum: Everest
Zone: 48 N
Units: Meter
Map scale: 1 cm = 1 km (1:100,000)

Village Name	Pin	Dist	Search in M (Length in Km) Area in Sq.Km	Area in Ha	Non-forest Area (Forest Area)
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1.6 Coordinates of the Proposed route:

Datum-WGS84			
P.NO	CODING	Latitude	Longitude
1	A01	11.99113636	77.37763451
2	A02	11.99102491	77.37749001
3	A03	11.99090778	77.3773506
4	A04	11.99078065	77.37722014
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7	A07	11.99038743	77.37684195
8	A08	11.99024411	77.37673018
9	A09	11.99010352	77.37661494
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11	A11	11.98980653	77.37640628
12	A12	11.98965296	77.37630969
13	A13	11.98949698	77.37621717
14	A14	11.98934597	77.37611638
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16	A16	11.98907646	77.37587375
17	A17	11.98896029	77.37573362
18	A18	11.98886309	77.37557896
19	A19	11.98876342	77.37542614
20	A20	11.98864429	77.37528874
21	A21	11.98850624	77.37517061
22	A22	11.98835426	77.37507135
23	A23	11.98819757	77.37497993
24	A24	11.9880393	77.37489137
25	A25	11.98787805	77.37480852
26	A26	11.98772076	77.37471837
27	A27	11.98756936	77.37461815
28	A28	11.98742663	77.3745057
29	A29	11.98728655	77.37438975
30	A30	11.98714851	77.3742713
31	A31	11.98701194	77.37415113
32	A32	11.98687094	77.37403633
33	A33	11.98672717	77.37392516
34	A34	11.98658264	77.37381501
35	A35	11.98644213	77.37369959
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37	A37	11.98616543	77.37346346
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87	A087	13.24300272	75.11882544	504	A504	13.28345522	75.1318638	921	A921	13.32968393	75.15086799	1338	A1338	13.3515035	75.18619854
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89	A089	13.2429651	75.11919205	506	A506	13.28339817	75.13222525	923	A923	13.33003556	75.15093006	1340	A1340	13.35185278	75.18613809
90	A090	13.24294215	75.11937507	507	A507	13.28333945	75.13239915	924	A924	13.33020677	75.15098957	1341	A1341	13.35202489	75.18619484
91	A091	13.24293641	75.11955832	508	A508	13.28328335	75.13257423	925	A925	13.33037891	75.15104486	1342	A1342	13.35219699	75.18625158
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93	A093	13.243	75.11992096	510	A510	13.28337669	75.13291919	927	A927	13.3307381	75.15108829	1344	A1344	13.35253821	75.18617935
94	A094	13.24301696	75.12010476	511	A511	13.28349401	75.1330586	928	A928	13.33091769	75.15111	1345	A1345	13.35267481	75.18605832
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106	A106	13.24251289	75.12217726	523	A523	13.28561657	75.13335637	940	A940	13.3318808	75.15261342	1357	A1357	13.35442139	75.18626717
107	A107	13.24240718	75.12232705	524	A524	13.28579739	75.13335976	941	A941	13.33178537	75.15276876	1358	A1358	13.35452174	75.18642082
108	A108	13.24232738	75.12249181	525	A525	13.28597736	75.13335319	942	A942	13.3316693	75.15291038	1359	A1359	13.35462268	75.18657407
109	A109	13.24227255	75.12266694	526	A526	13.28615561	75.13333474	943	A943	13.3315563	75.153054	1360	A1360	13.35478919	75.18662798
110	A110	13.24221813	75.12284222	527	A527	13.28633312	75.13336462	944	A944	13.33149283	75.15322335	1361	A1361	13.35496616	75.18666607
111	A111	13.24214765	75.12301218	528	A528	13.28649822	75.13343862	945	A945	13.33151584	75.15340652	1362	A1362	13.35514505	75.18668488
112	A112	13.24210091	75.12319052	529	A529	13.28662235	75.13356901	946	A946	13.33153746	75.15358988	1363	A1363	13.35532089	75.18670103
113	A113	13.24209926	75.12337148	530	A530	13.28667122	75.13374497	947	A947	13.33147601	75.15371546	1364	A1364	13.35547061	75.18680462
114	A114	13.24213062	75.12355314	531	A531	13.28670785	75.13392547	948	A948	13.33130103	75.1537621	1365	A1365	13.35562034	75.18690821
115	A115	13.24216737	75.12372865	532	A532	13.28675657	75.13410321	949	A949	13.33123677	75.15391567	1366	A1366	13.35577006	75.18701181
116	A116	13.24229002	75.12386354	533	A533	13.28679538	75.13428349	950	A950	13.33120094	75.15409669	1367	A1367	13.35591978	75.1871154
117	A117	13.24241938	75.12399232	534	A534	13.28682583	75.1344655	951	A951	13.33105562	75.15418229	1368	A1368	13.35606951	75.18721899
118	A118	13.24251899	75.12413863	535	A535	13.28685874	75.13464706	952	A952	13.33088619	75.15424686	1369	A1369	13.35623232	75.18729181
119	A119	13.24252449	75.12431622	536	A536	13.28686382	75.13483156	953	A953	13.33071685	75.15431167	1370	A1370	13.35640864	75.18733291
120	A120	13.24252359	75.12449954	537	A537	13.28685773	75.13501541	954	A954	13.33055234	75.15438836	1371	A1371	13.35658495	75.187374
121	A121	13.24254346	75.12468303	538	A538	13.28681234	75.13519357	955	A955	13.33038782	75.15446505	1372	A1372	13.35676372	75.18739877

- 1.7 **Project Cost:** Proposed route from Ramapuram to Mathanahalli is _56.58_km in forest area 0.9191Ha and m in non-forest area 0.8745Ha. Cost of lying of optical fiber cable is 250 rupees per meter and total project cost is about _11

