

No. RO/VJA/Misc.24/B/OFC/NH-544D/Sr.no.107/318

Government of India

Ministry of Road Transport & Highways

Regional Office, Vijayawada

Door No.41-29-45A, 3rd & 4th floors, MORTH/NHAI Buildings, Ranigarithota,
Near Kanakadurga Varadhi, Krishnalanka, Vijayawada-520013. Tele: 0866-2571985

Dated: 24.06.2022

Invitation of Public Comments

Sub: Proposal for permission for laying Optical Fibre cable (OFC) along the NH-167 by M/s Jio Digital Fibre Pvt. Ltd., from km 8/8 to km 56/700 (LHS) of Ananthapuramu - Tadipatri road of NH 544D for a total length of 48,800mtrs in Anantapur District in the State of Andhra Pradesh - reg.

Please find enclosed herewith the proposal in accordance with Ministry's latest guidelines dated 22.11.2016 forwarded by Chief Engineer(R&B), NH & CRF, AP vide letter dated 24.06.2022 and PD, NHAI, PIU - Ananthapur vide letter dated 05.05.2022 for laying Optical Fibre cable (OFC) by Horizontal Directional Drilling Method (HDD/ Open trench method) along the NH-544D road by M/s Jio Digital Fibre Pvt. Ltd., from km 8/8 to km 56/700 (LHS) of Ananthapuramu - Tadipatri road of NH 544D for a total length of 48,800mtrs in Anantapur District in the State of Andhra Pradesh.

2. As per the guidelines, issued by the Ministry vide Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.16, the proposal for Highway crossing permission along & across National Highways shall be put out in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

3. In view of the above, comments of the public on the above mentioned proposal is invited on the address mentioned below:

The Regional Officer,
Ministry of Road Transport and Highways,
Door No.41-29-45A, 3rd & 4th floors, MORTH/NHAI Buildings,
Ranigarithota, Near Kanakadurga Varadhi,
Krishnalanka, Vijayawada - 520013
Email id: romorthvijayawada@gmail.com.

Yours Faithfully,

Encl: As above


(Venkataiah M)

Assistant Engineer,

For Regional Officer, MoRTH, Vijayawada

Copy to:

- 1) The Senior Technical Director, NIC for uploading on the Ministry's website.
- 2) The Chief Engineer(R&B), NH & CRF, AP.
- 3) M/s Jio Digital Fibre Pvt. Ltd., 40-1-72D, 5th floor, K.K. Towers, Opp: HDFC Bank, M.G. Road, Vijayawada - 520010.

Government of Andhra Pradesh
Roads & Buildings Department

From,
Sri. V. Ramachandra, M.Tech.,
Chief Engineer (R&B),
National Highways & CRF,
Room no. 412, State HODs Offices Bldg,
MG Road, Vijayawada-520010.

To,
The Regional Officer,
MoRT&H, 4th Floor,
Near Kanaka Durga Varadhi,
Rani gari Thota, Krishna Lanka,
Vijayawada.



Lr. No. Road Cutting/NH 544D/DCE(NH&CRF)/EE/DEE6/AEE3 dt. 24.06.2022

Sir,

Sub:- (R&B) NH Circle, ATP - (R&B) NH Division, ATP - Permission for laying OFC cable along NH 544D from Km 8/8 to 57/6 (LHS) of Ananthapuramu to Tadipatri road in Anantpur district of Andhra Pradesh - Proposals furnished - Permission Requested - Regarding

Ref:- 1. T/o Lr. No. Road Cutting/NH 544D/DCE(NH&CRF)/EE/DEE6/AEE3 dt. 08.04.2022
2. Lr. No. RO/VJA/Misc.24/B/OFC/NH-544D/Sr.no.107/68 dt. 25.04.2022 of the RO, MoRT&H, Vijayawada
3. Lr. No. NH-544D/Road Cutting/JIO Digital/SENH/ATP/DYSE/JTO/2022-23 dt. 11.05.2022 of the Superintending Engineer, NH Circle, Ananthapuramu
4. Lr. No. NH-544D/Road Cutting/JIO Digital/SENH/ATP/DYSE/JTO/2022-23 dt. 23.06.2022 of the Superintending Engineer, NH Circle, Ananthapuramu

In the reference 1st cited, the subject proposal was furnished to the RO, MoRT&H, Vijayawada for approval. In the reference 2nd cited, the RO, MoRT&H, Vijayawada has returned the subject proposal unapproved with a request to resolve the discrepancy in width of ROW mentioned in the checklist and ROW line diagram. Now, in the reference 3rd cited, the SE/NH/ATP has submitted the revised inspection report, checklist and ROW line diagrams duly mentioning the corrected ROW width of 25-30m.

Hence it is requested to accord necessary approval for the same, as the original proposal was initiated earlier to the Ministry Circular dt. 13.05.2022.

Encl: Revised inspection report, checklist and ROW line diagrams

Yours Sincerely,

For Chief Engineer (R&B),
NH & CRF, A.P., Vijayawada

Copy to:

1. The Superintending Engineer (R&B), NH Circle, Ananthapuramu for information.
2. The Executive Engineer (R&B), NH Division, Ananthapuramu for information.

GOVERNMENT OF ANDHRA PRADESH
ROADS AND BUILDINGS (N.H) DEPARTMENT

From

Sri.D.Madhusudana Rao, B.Tech.,
Executive Engineer (I/c),
(R&B) N.H. Division,
Anantapuramu.

To

The Superintending Engineer,
(R&B) N.H Circle,
Anantapuramu.

Letter No.NH-544D/JTO/Road Cutting/ Jio /2022-23, Dt . 11-05-2022

Sir,

Sub:- (R&B) NH Division, Anantapuramu – Permission for Providing for Laying Optical Fibre Cable along NH-544D From Km 8/800 to 57/600 (LHS) of Anantapuramu – Tadipatri –Bogasamudra road – M/s Jio Digital Fiber Private Limited 101, Saffron, Nr. Center point, Panchwati 5 Rasta, Ambawadi, Gujarat, Ahmadabad – Replies Submitted – Regarding.

Ref:- 1. F.No.RW/NH-33044/29/2015/S&R(R) Dated 22-11-2016. of the MORT&H, New Delhi.

2. Lr No.JDFPL/OFC/RoW/INTERCITY/NLD4C/AP/NH- 544D/ ANANTAPUR-TADIPATRI/NH-R&B/8038, Dt: 08.11.2021 of M/s Jio Digital Fiber Private Limited 101, Saffron, Nr. Center point, Panchwati 5 Rasta, Ambawadi, Gujarat, Ahmadabad.

3. Deputy Executive Engineer (R&B) NH, Sub-Division, Tadipatri Letter No.DEE/ (R&B) / NH/ Tadipatri/NH.544D/OFC/ 2021-22, Dt. 30-03-2022.

4. Letter No.RO/VJA/Misc.24/B/OFC/NH-544D/Sr.no.107/68, Dt.25.04.2022 of Regional Officer, Vijayawada.

5. This office Endt.No.NH-544D/JTO/2022-23, Dt.29.04.2022.

6. Deputy Executive Engineer (R&B) NH, Sub-Division, Tadipatri Letter No. NH-544D/Road cutting/DEE/(R&B)/NH/TDP/2022-23, Dt. 10-05-2022.

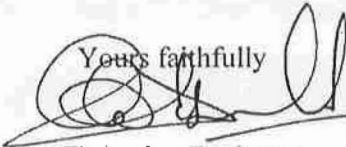
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I submit that in the reference 2nd cited, the M/s Jio Digital Fiber Private Limited 101, Saffron, Nr. Center point, Panchwati 5 Rasta, Ambawadi, Gujarat, Ahmadabad has requested to this office for Permission to Lay OFC along NH-544D from Km 8/800 to 57/600 (LHS) of Anantapuramu – Tadipatri – Bogasamudra for a length of 48,800 Mts along the road in Anantapuramu District of Andhra Pradesh.

Further the Regional Officer, Vijayawada, A.P vide 4th cited, has returned the proposals unproved duly informing that width of ROW is mentioned as 25mts 30mts in inspection report ^{specification} ~~were~~ ^{where} as in the checklist and ROW line diagram it is mentioned as 10mts. The Regional Officer, Vijayawada has also requested to reinspect the site and resubmit the inspection report, check list and ROW line diagram if necessary.

Accordingly, the Deputy Executive Engineer, (R&B) NH Sub-Division, Tadipatri has resubmitted revised inspection report, checklist and RoW line diagrams duly mentions corrected ROW width of 25mts – 30mts.

Hence, I herewith submit revised inspection report, checklist and ROW line diagram with a request to kindly address the higher authorities for according road cutting permission and communicate orders at an early date for taking further necessary action.

Yours faithfully

Executive Engineer
(R&B) NH Division, Anantapuramu

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11/5/2022

INSPECTION REPORT

Permission for Laying of Optical Fiber Cable (OFC) along NH-544D, Anantapuramu - Tadipatri road from Km 8/8 to 57/6 (LHS) total length of 48800 mts in Anantapur District of Andhra Pradesh under the Jurisdiction of R&B, NH-Division, Anantapur

We have inspected site, with reference the proposal submitted by Jio Digital Fiber Private Limited (JDFPL). having registered office at 101, Saffron, Nr Centre point, Panchawati 5 Rasta, Ambawadi, Ahmedabad – 380006, Gujarat State for the proposal of Laying of Optical Fiber Cable (OFC) along NH-544D, Anantapuramu - Tadipatri road from Km 8/8 to 57/6 (LHS) total length of 48800 mts in Anantapur District of Andhra Pradesh under the Jurisdiction of R&B, NH-Division, Anantapur. The following points were observed and mentioned below.

1. The total length of OFC Proposed is 48800 Mts, along the road from km. 8/8 to 57/6 of NH-544D, Anantapuramu - Tadipatri road.
2. The Jio Digital Fiber Private Limited (JDFPL). having registered office at 101, Saffron, Nr Centre point, Panchawati 5 Rasta, Ambawadi, Ahmedabad – 380006, Gujarat State., has Proposed to lay OFC by Open trench (at a depth of 1.65 Mts below ground level) to a length of 48800 Mts
3. The ROW of the road varies from 25 Mts to 30 Mts in this location.
4. Restoration of trench should be done by the Agency as specified by the Ministry
Vide F. No.RW/NH-33044/29/2015/S&R(R) Dated 22-11-2016.
5. The Agency has submitted Undertaking for submission of Performance Bank Guarantee, Indemnity bond, Certificate for relocation of cable in case 4-Lanning of the road and undertaking to comply with the MORTH Guidelines.
6. The strip plan and methodology of laying Cable and other documents submitted by the agency is attached here with.
7. No road crossing in the proposal.
8. At Major bridges and village/Town limits where available ROW is restricted OFC ducts shall have to be laid using HDD method.

The land rates have been obtained from the offices of the Registration and Stamps Department, Government of Andhra Pradesh and a copy of the same is attached.

Further the restoration charges Rs. 48,80,000/- in the shape of Bank Guarantee and license fee Rs. 1,00,505/- (for five years) in the shape of DD may be obtained from M/s Jio Digital Fiber Private Limited 101, Saffron, Nr. Center point, Panchwati 5 Rasta, Ambawadi, Gujarat, Ahmadabad.

S. Srinivasulu 10/5/2021
Assistant Engineer
(R&B) NH Section, Tadipatri

10/5/2021
Deputy Engineer (R&B)
NH Sub-Division, Tadipatri.

Executive Engineer (R&B)
NH Division, Anantapuramu
//Counter signed//

Superintending Engineer
(R & B) NH Circle, Anantapuramu.

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Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NH/PWD/BRO.

Sl. No.	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Jio Digital Fibre Private Limited Regd. Office Address : Office-101, Saffron, Nr.Center Point, Panchwati 5 Rasta, Ambawadi, Gujarat, Ahmadabad-380 006 India	
1.2	National Highway Number	NH-R&B-544D	
1.3	State	Andhra Pradesh	
1.4	Location	Bukkarayasamudram, Singanamala, Peddapappuru and Tadipatri mandal	
1.5	(Chainage in km.)	along NH-544D, Anantapur – Tadipatri road, from Km 8/800 to Km 57/600, in LHS	
1.6	Length in Meters	48,800 meters.	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/ km direction	12.5 to 15 meters	
	(b) Right side from center line towards increasing chainage/ km direction	12.5 to 15 meters	
1.8	Proposal to lay the utility		
	(a) Left side from center line towards increasing chainage/km directions	from Km 8/800 to Km 57/600, in LHS	
	(b) Right side from center line towards increasing /km direction		
1.9	Proposal to acquire land		
	a) left side from center line	NA	
	b) right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the cable	At the edge of the RoW	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	Number of existing lanes (2/4/6/8 lanes)	2 lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 /6/8 lanes)	NA	
1.14	Service road existing or not	NA	
	If yes then which side		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	



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1.15	Proposed Service road		
	(a) Left side from center line		
	(b) Right side from center line	NA	
1.16	Whether proposal to lay utility is after the service road or between the service road and main carriageway	NA	
1.17	Whether carrying of sewage/OFC has been proposed on highway Bridges. If yes, then mention the methodology proposed for the same.	No, Utility (OFC) not proposed on Bridges.	
1.18	Whether carrying of sewage/OFC has been proposed on the parapet/any part of the Bridges. If yes, then mention the methodology proposed for the same.	No, Utility (OFC) not proposed on the parapet/any part of the Bridges.	
1.19	If Crossing of the Road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expense of the agency owning the line	Not Applicable	
	a) Whether the existing drainage structures are allowed to carry the OFC	No	
	b) Is it on a line normal to NH	Yes	
	c) What is the distance of crossing the utility OFC from the existing structures? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	Not Applicable	
	d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron or reinforced concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable Mention type of casing.	Not Applicable	
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	Not Applicable	
	f) The casing/conduit pipe should be as minimum extend from drain to drain in cuts and toe of slope in the fills.	Not Applicable	
	g) The top of the casing/conduit pipe should be at least 1.5 meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details	Applicable	
	h) Mention the methodology proposed for crossing of road for the proposed sewage/OFC. Crossing shall be by boring method (HDD) (Trenchless Technology), specially where the existing road pavement is of cement concrete or dense bituminous concrete type	Using HDD methodology	
	i) The casing/conduit pipe shall be		

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	installed with an even bearing throughout its length and in such a manner as to prevent the formation of a water way along it	Not Applicable	
2	Document/Drawings to be enclosed with the proposal	Enclosed	
2.1	Cross section showing the size of trench for open trenching method	Enclosed	
	Is it normal size of 1.5m deep x 0.3 m wide	Yes	
	i) should not be greater than 60 cms wider than the outer diameter of the pipe	Yes	
	ii) located as close to the extreme edge of the Right of Way as possible but not less than 15m from the center line of the nearest carriageway	Drawing Enclosed	
	iii) shall not be permitted to run along the National Highways when the road formation is situated in double cutting nor shall these be laid over the existing culverts and bridges	Not Applicable	
	iv) These should be so laid that their top is at least 0.6m below the ground level so as not to obstruct drainage of the road land	Yes	
2.2	Cross section showing the size of pit and location of cable for HDD method	HDD Cross section enclosed	
2.3	Strip plan / Route Plan showing utility/OFC chainage, width of ROW, distance of proposed pipe line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Strip plan showing all the details is enclosed	
2.4	Methodology for laying of the OFC	Enclosed	
2.4.1	Open trenching method (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type) If yes, what is the methodology of refilling the trench	Yes, Methodology of OFC laying attached.	
	a) The trench width should be at least 30 cms, but not more than 60 cms. wider than the outer diameter of the pipe	Open Trench cross section enclosed	
	b) For filling of the trench, Bedding shall be to a depth of not less than 30 cms. It shall consist of granular material, free of lumps, clods, cobbles and graded to yield firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.	Yes	
	c) The backfill shall be completed in two stages- i) side fill to the level of the top of the pipe and ii) overfill to the bottom of the road crust	Yes	

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	d) The side fill shall consist of granular material laid in 15 cms. Layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density. Overfill shall be compacted to the same density as the material that has been removed. Consolidation by saturation or ponding will not be permitted.	Yes	
	e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	Yes	
	f) The excavation shall be protected by flagman, Signs and barricades and red lights during night hours.	Yes	
	g) If required a diversion shall be constructed at the expense of agency owing the utility line.	Not applicable	
2.4.2	Horizontal Directional Drilling (HDD) Method	Details provided in Methodology of Laying.	
2.4.3	Methodology for laying of the OFC through CD works and method of laying In cases where the carrying of OFC on the bridge becomes inescapable	Yes, Methodology of OFC laying attached	
3	Draft License Agreement signed by two witnesses	Enclosed	
3.1	The License fee estimate as per Ministry's guidelines issued vide circular No. RW/NH/33044/29/2015/S&R dated 22-11-2016	Enclosed	
4	Whether Performance Bank Guarantee as per Ministry guidelines issued vide circular No. RW/NH/33044/29/2015/S&R dated 22-11-2016 is obtained	Undertaking for submission of BG has been obtained from M/s Jio Digital Fibre Private Limited	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NH guidelines	Confirmation of BG shall be obtained after BG submission by M/s Jio Digital Fibre Private Limited	
5	Affidavit/Undertaking from the Applicant for following is to be furnished		
5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to NH or to the concerned agency	Yes, Enclosed	
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NH	Yes, Enclosed	
5.3	Undertaking for confirming all standard conditions of Ministry/NH's guidelines	Yes, Enclosed	
5.4	Undertaking for Indemnity against all damages and claims	Yes Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic	Yes Enclosed	
5.6	Undertaking that if any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant	Yes Enclosed	
5.7	Undertaking that prior approval of the NH shall be obtained before undertaking any work of	Yes Enclosed	

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	installation, shifting or repairs, or alterations to the utility located in the National Highway Right of Ways.		
5.8	Undertaking that expenditure if any incurred by NH for repairing any damage caused to the NH by laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Yes Enclosed	
5.9	Undertaking that text of the License deed is as per verbatim of format issued by MoRTH vide circular No. RW/NH/33044/29/2015/S&R dated 22-11-2016	Yes Enclosed	
5.10	Undertaking that the applicant has obtained various safety clearances from the respective authorities such as Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate, state/central pollution control board and any other statutory clearances as applicable, before applying to Highway Administration.	Not Applicable as the Utility line proposed is OFC.	
5.11	If the MoRTH/NH considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the MoRTH/NH at the cost of the Agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, enclosed	
5.12	Certificate from the applicant in the following format i) Laying of OFC will not have any deleterious effects on any of the bridge components and roadway safety for traffic ii) We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NH for future six laning or/any other development.	Enclosed Enclosed	
6	Who will sign the agreement on behalf of OFC line agency? Power of attorney to sign the Agreement is available or not	RoW Lead, Jio Digital Fibre Pvt Ltd, Copy of Power of Attorney enclosed.	
7	The Project Director shall submit the following Certificates		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide MoRTH circular No. RW/NH/33044/29/2015/S&R dated 22-11-2016	Enclosed	
7.2	Certificate from the PD in the following format i) "it is certified that any other location of the OFC would be extremely difficult and unreasonably costly and the installation of OFC within RoW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriage way, easing of curve etc..ii) for 6-laning	Enclosed	

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	<p>a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location".</p> <p>b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning"</p>	Enclosed	
8	<p>If NH section proposed to be taken up by NH on BOT basis – a clause is to be inserted in the agreement "the permitted highway on which licensee has been granted the right lay OFC duct has also been granted as a right of way concessionaire under the concession agreement for up gradation of _____, Operate and Transfer basis and therefore the licensee shall honor same.</p>	NA	
9	Who will supervise the work of laying of Utility Pipe line		
	a) On behalf of the applicant	Area Manager, Jio Digital Fibre Private Limited, Anantapur	
	b) On behalf of MoRTH/NH	Executive Engineer (R&B), NH Division, Anantapur	
10	Who will ensure that the defects in road portion after laying of OFC are corrected and if not corrected then what action will be taken.		
	c) On behalf of the applicant	Area Manager, Jio Digital Fibre Private Limited, Anantapur	
	d) On behalf of MoRTH/NH	Executive Engineer (R&B), NH Division, Anantapur	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	Jio Digital Fibre Pvt Ltd	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Yes, Enclosed	
13	If any previous approval is accorded for laying cable line then Photocopy of register of records of permissions accorded (as maintained by PD) to be enclosed.	NA	

Shri. Sreekanth Pinninti
RoW-Lead



Name, Designation and Signature of the
Authorized representative of applicant

G. Sreekanth
10/5/2022
AE (R&B), NH, Secy, NH-1
Tadipatri

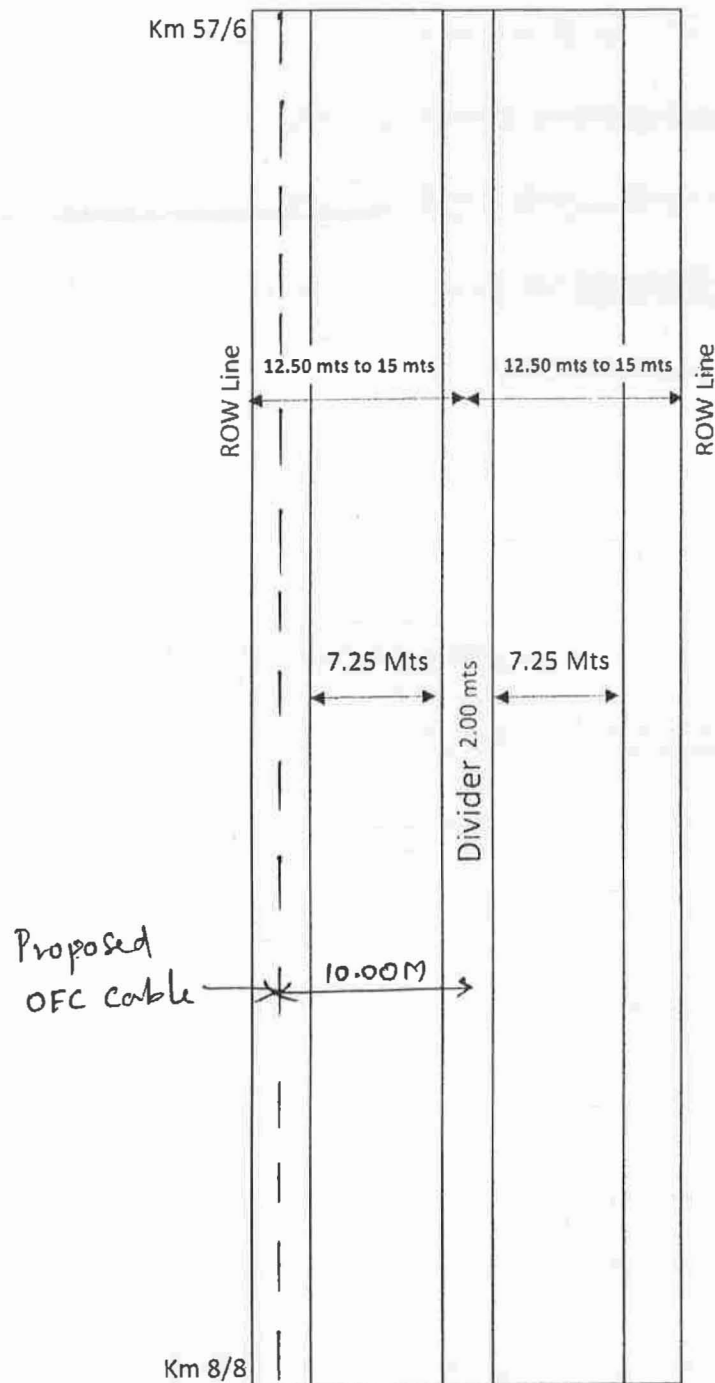
Deputy Superintending Engineer
R & B, NH Circle, Anantapuramu.

Executive Engineer (R&B)
N.H. Division, Anantapuramu.

(Name Designation and signature of
concerned field authority of NH/PWD/BRO

Deputy Exe. Engineer (R & B)
NH Subdivision, Tadipatri.

ROW Widths of NH-544D Anantapuramu - Tadipatri road from Km 8/8 to 57/6



S. Srinivas
AE (R & B) Section
Tadipatri
10/5/22

Srinivas
Deputy Executive Engineer
(R & B) NH Sub-Division, Tadipatri.
10/5/22



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

P.I.U.: 6-4-239, 3rd Cross, Maruthi Nagar, Anantapur - 515 004.

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भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

NHAI/PIU-ATP/11021/22/NOC/0389

05.05.2022

Regional Officer

Ministry of Road Transport & Highways

Regional Office

Door No.41-29-45A, 3rd & 4th floors

Near Kodandaramalayam

Chalasani Nagar, Ranigarithota

Krishnalanka, VIJAYAWADA - 520 013



[Handwritten signature]

Sub: Proposal for permission for laying Optical Fibre cable (OFC) by M/s Jio Digital Fibre Pvt. Ltd., from Km 8/8 to Km 56/700 (LHS) of Anantapuramu - Tadipatri road of NH 544D for a total length of 48,800 mtrs in Anantapur District in State of Andhra Pradesh- reg.,

Ref: RO, MoRT&H, Vijayawada letter dtd 25.04.2022

Sir,

This has reference to RO, MoRT&H, Vijayawada letter cited under reference above, vide which the proposal for permission for laying optical fibre cable (OFC) along NH-544D by M/s Jio Digital Fibre Pvt. Ltd., mentioned in the subject above and requested to furnish our views/comments in this regard, as the project is being developed by NHAI to 4 lane.

2. In this regard, it is to inform that DPR towards taking up of 4 lane of the subject stretch and LA activities for proposed 45 mts ROW is in final stage (i.e., 90% of 3 (D) of the subject stretch is already completed till date) and after completion of DPR, 4 laning work is likely to commence shortly.
3. In this connection, as per the strip plan submitted by the agency, it has been observed that the OFC Cables are proposed to be laid at a distance of 10 mts from centre of median of the existing highway i.e., within the 20 mts of existing ROW. As such, keeping in view of proposed ROW of 45 mts, during the construction of 4 laning, the OFCs needs to be shifted/ relocated to the suitable locations so as to accommodate the necessary VUPs / service/slip roads along with drains.
4. As such, it is requested to instruct the OFC agency to strictly undertake that they will shift/ relocate the cable if laid, to the suitable locations at their own cost immediately before the start of construction of 4 lane by NHAI, so that the same may not impact the construction works.
5. Further, it is also requested to instruct the OFC agency to ensure that all the remaining particulars viz., checklist, undertakings, Licensee Fee & BG calculations, methodology, Cross section drawings etc., are in accordance with the MoRT&H Guidelines dtd 22.11.2016 and keeping in view of existing site conditions & proposed ROW.

Yours faithfully

[Handwritten signature]
05.05.22

(J.L. Meena)

DGM (Tech.) & Project Director

Copy to:

Regional Officer, NHAI, RO, Vijayawada for kind information.

No. RO/VJA/Misc.24/B/OFC/NH-544D/Sr.No.107/11

Government of India

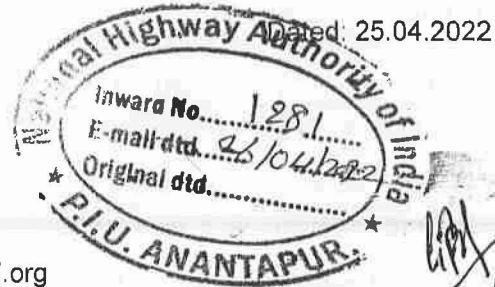
Ministry of Road Transport & Highways

Regional Office, Vijayawada

Door No.41-29-45A, 3rd & 4th floors, MORTH/NHAI Buildings, Ranigarithota,
Near Kanakadurga Varadhi, Krishnalanka, Vijayawada-520013. Tele: 0866-2571985

To,

The Project Director,
NHAI, PIU - Ananthapur,
PIU: 6-4-239, 3rd cross, Maruthi nagar,
Ananthapur – 515004, Andhra Pradesh.
Email: nahipiuatp@gmail.com; anantapur@nhai.org



Sub: Proposal for permission for laying Optical Fibre cable (OFC) along the NH-167 by M/s Jio Digital Fibre Pvt. Ltd., from km 8/8 to km 56/700 (LHS) of Ananthapuramu – Tadipatri road of NH 544D for a total length of 48,800mtrs in Anantapur District in the State of Andhra Pradesh – Regarding.

Ref: Chief Engineer (R&B) NH letter no. Road cutting/NH 544D/DCE(NH&CRF)/EE/DEE6 /AEE3 dated 08.04.2022.

Sir,

Please refer to CE(R&B), NH&CRF, AP letter dated 08.04.2022 cited under reference above, (copy enclosed) requesting therewith the proposal for laying OFC 2 nos. of 40mm dia. HDPE ducts along NH-544D road by M/s Jio Digital Fibre Pvt. Ltd., for the work mentioned in subject above.

2. In this connection, one set of subject proposal is being forwarded to you, as the stretch is being taken up by NHAI for 4-laning therefore, it is requested that your views/comments in this regard may kindly be furnished at the earliest.

These issues with the approval of Regional Officer, MoRTH, Vijayawada.

Yours faithfully,

Encl: As above

(Venkataiah M)

Sr. Technical Assistant
For Regional Officer, Vijayawada

Copy to: The Regional Officer, NHAI, Vijayawada – for information.

Government of Andhra Pradesh
Roads & Buildings Department

From,
Sri. V. Ramachandra, M.Tech.,
Chief Engineer (R&B),
National Highways & CRF,
Room no. 412, State HODs Offices Bldg,
MG Road, Vijayawada-520010.

To,
The Regional Officer,
MoRT&H, 4th Floor,
Near Kanaka Durga Varadhi,
Rani gari Thota, Krishna Lanka,
Vijayawada.



Lr. No. Road Cutting/NH 544D/DCE(NH&CRF)/EE/DEE6/AEE3 dt. 08.04.2022

Sir,

Sub:- (R&B) NH Circle, ATP - (R&B) NH Division, ATP - Permission for laying OFC cable along NH 544D from Km 8/8 to 57/6 (LHS) of Ananthapuramu to Tadipatri road in Anantpur district of Andhra Pradesh - Proposals furnished - Permission Requested - Regarding

Ref:- 1. Ministry Circular No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016
2. Lr. No. RO/VJA/Misc24BAccess/Utility/7 dt. 13.04.2017 of the RO, MoRT&H, Vijayawada
3. Lr. No. NH-544D/Road Cutting/JIO Digital/SENH/ATP/DYSE/JTO/2021-22 dt. 31.03.2022 of the Superintending Engineer (R&B), NH Circle, Ananthapuramu

In the reference 3rd cited, the Superintending Engineer (R&B), NH Circle, Ananthapuramu has submitted proposals for permission for laying OFC cable along NH 544D from Km 8/8 to 57/6 (LHS) of Ananthapuramu to Tadipatri road in Anantpur district of Andhra Pradesh.

The proposal has been examined in this office as per the guidelines issued by the Ministry in the reference 1st cited and the details are as follows:

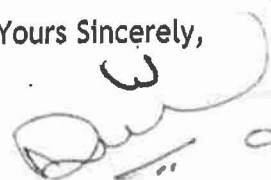
1. The total License Fee is Rs. 1,00,505/- and the performance Bank Guarantee Fee is Rs. 48,80,000/-
2. The proposed OFC cable is along NH 544D from Km 8/8 to 57/6 (LHS).
3. Total length of the proposed road cutting is 48800 m and width of 0.30m.
4. The firm has proposed that the OFC cable will be laid through both open trench and HDD methods, whichever applicable as per the site conditions.
5. Further, the OFC cable will be laid at a depth of 1.65m from top of adjacent natural GL.

The firm, M/s Jio Digital Fibre Pvt. Ltd., has submitted the checklist, undertakings and necessary registration certificate for infrastructure provider category - I (IP-I) of the Ministry of Communications, Govt. of India, required to be submitted for according permission and approval for laying of the utility as stipulated in the references 1st and 2nd cited. A copy of the documents submitted by the firm is herewith furnished in duplicate.

In this regard, it is requested to accord permission for laying the OFC cable along NH 544D from Km 8/8 to 57/6 (LHS) of Ananthapuramu to Tadipatri road, so as to enable them to commence the laying of the gas pipeline.

Encl: Checklist, Undertakings, 2 original copies
of License Deeds & necessary registration
certificate

Yours Sincerely,


For Chief Engineer (R&B),
NH & CRF, A.P., Vijayawada

Copy to:

1. The Superintending Engineer (R&B), NH Circle, Ananthapuramu for information.
2. The Executive Engineer (R&B), NH Division, Ananthapuramu for information.

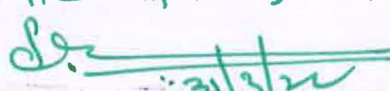
CERTIFICATE

1. Under signed has examined the proposal of the applicant for laying of Permission for Providing for Laying Optical Fibre Cable along NH-544D From Km 8/800 to 57/600 (LHS) of Anantapuramu – Tadipatri –Bogasamudra road in Anantapuramu District of Andhra Pradesh state and confirm that the all standard conditions issued vide Ministry Circular No.RW/NH-33044/29-2015/S&(R), Dt.22.11.2016 has been followed.
2. It is certified that any other locations of utility line would be extremely difficult and unreasonable costly and installation of utility line within RoW will not adversely affect the design stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, casing of curve etc.,
3. I will ensure supervision of the work of laying of utility and ensure that the defects in the road portion after laying of utility are corrected.
4. I will notify / forfeit the BG for claims for damages done / disruption in working, if any.
5. I will ensure the proposed permission in the entered in the register of records.
6. The record of previous approval, if any has been considered and the copy of same is enclosed with the proposal.

G. Ramesh
30/3/22
Assistant Engineer
(R & B) NH Section-1, Tadipatri.

Deputy Executive Engineer
(R & B) NH Sub-division, Tadipatri


Executive Engineer
(R&B) NH Division, Anantapuramu.

|| Counter Signed ||

31/3/22
Superintending Engineer
(R & B) NH Circle, Anantapuramu



ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

06AB 394293

S. No. 658 Dt. 19/09/22 Rs. 10/-
Sold To. M. SURESH KUMAR, S/O SATYANARAYANA, VIJAYAWADA
For Whom. M/S JIO DIGITAL FIBRE PVT LTD, VIJAYAWADA

M. Lalitha Devi
MORUMURI LALITHA DEVI
Licensed Stamp Vendor
OL NO. 8/2014, R.L.No.06-28-002/2021
D.No.7-54, Opp. Post Office, Kummari Street,
NUNNA-521 212,
Ph: 9247155578, Valid up to 31.12.2023

Undertaking as per Sl. No. 5 of Check List

We, **Jio Digital Fibre Private Limited**, having its registered office at Office - 101, Saffron, Nr. Centre Point, Panchwati 5 Rasta, Ambawadi, Ahmedabad-380006, India are planning to lay Telecom Cables/OFC/ducts along NH-544D, Anantapur – Tadipatri road, from Km 8/800 to Km 57/600, in LHS, for a total route length of **48,800 meters** in Bukkarayasamudram, Singanamala, Peddapappuru and Tadipatri mandal, Anantapur District of Andhra Pradesh under the Jurisdiction of R&B, NH-Division, Anantapur.

We hereby undertake the following conditions with reference to the above cited work:

- 5.1 We undertake that Not to Damage any other utility, if damaged then to pay the losses either to Authority or to the concerned agency
- 5.2 We undertake to renew the Bank Guarantee as and when asked by MoRTH/NHAI.
- 5.3 We undertake to confirm all standard conditions of Ministry Circulars and NHAI Guidelines.
- 5.4 We undertake to Indemnify against all damages and claims.
- 5.5 We undertake for management of traffic movement during laying of utility line without hampering the traffic.
- 5.6 We undertake that if any claim is raised by the Concessionaire/contractor then the same shall be paid by us.

Sneekanya

5.7 We undertake that prior approval of the NHA shall be obtained before undertaking any work of installation, shifting or repairs or alterations to the utility located in the National Highway Right-of-Ways.

5.8 We undertake to bear expenditure, if any, incurred by NHA for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the utility line.

5.9 We undertake that text of the license deed is as per verbatim of MoRTH format (issued vide Ministry's Circular no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016).

5.10 Not Applicable for OFC.

5.10.1 We undertake to carry out the work of moving the utility line at our cost as desired by the MoRTH/NHA for any work of improvement or repairs to the road within a reasonable time (not exceeding 60 days) of the intimation given.

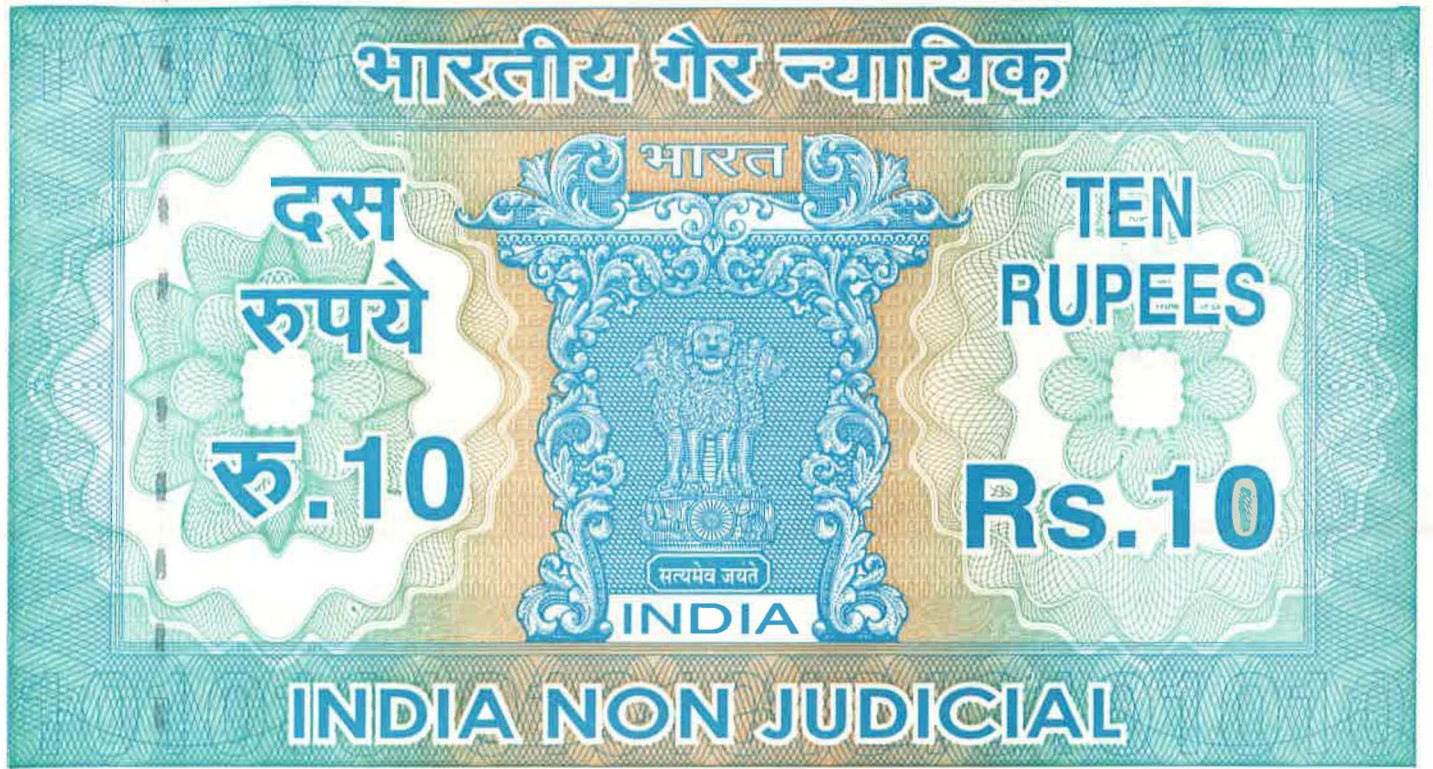
5.11 We undertake to submit a Certificate in the following format:

- i) Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and road way safety for traffic.
- ii) "We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHA for future six-laning or any other development."

For Jio Digital Fibre Private Limited

Authorized Signatory





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

06AB 394292

No. 657 D/19/02/22 Rs.10/-

M. Lalitha Devi
MORUMURI LALITHA DEVI

Licensed Stamp Vendor

OL NO. 8/2014, R.L.No.06-28-002/2021

D.No.7-54, Opp. Post Office, Kummari Street,

NUNNA-521 212,

Ph: 9247155578, Valid up to 31-12-2022

Certificate as per Sl. No. 5.12 of Check List

Name of Work: To lay Telecom Cables/OFC/ducts along NH-544D, Anantapur – Tadipatri road, from Km 8/800 to Km 57/600, in LHS, for a total route length of **48,800 meters** in Bukkarayasamudram, Singanamala, Peddapappuru and Tadipatri mandal, Anantapur District of Andhra Pradesh under the Jurisdiction of R&B, NH-Division, Anantapur.

We, Jio Digital Fibre Private Limited, having its registered office at Office - 101, Saffron, Nr. Centre Point, Panchwati 5 Rasta, Ambawadi, Ahmedabad-380006, hereby undertake that

- Laying of Utility (OFC) pipe line will not have any deleterious effects on any of the bridge components and road way safety for traffic.
- "We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHA for future six-laning or any other development."

For Jio Digital Fibre Private Limited

Authorized Signatory



Methodology of OFC Laying

Methods:

- Open Trench include Manual and Machine trenching
- Trench less technology by Horizontal Directional Drilling (HDD) Method
- Crossings

Open Trench

There will be continuous digging following a single line in open trench. The depth of trench will be 1.65M in the normal soil condition. Open trench will be carried out manually and with machine. Cross section of the trench is attached herewith. Trench will be in RoW limits and will be marked with lime powder to keep it straight. Trench will be barricaded with the safety signs as shown in the annexure drawing. This method will be used wherever normal soil is available for open trench. **Trench will be laid clear of Drains, service roads, Truck Lay bays and Bus Bays where ever existing on the High ways.**

Trench Profile

Bottom of trench shall be uniform and shall follow ground contour/profile. In areas with steep slope, trench profile shall be such that bottom of trench shall not have more than 23 degree gradient with horizontal (i.e. difference between two adjacent depth readings at a distance of one meter shall not be more than 250 mm). Prior to installation of the duct, the trench shall be checked to ensure the minimum depth requirements.

Backfilling

Backfilling shall be done with well compacted Granular material after ensuring soft material padding. Adequate dry compaction shall be done before Crowning. Compaction shall be done in layers of 15 cm each. The trench shall be filled up to the required height of 1.2m (measured from top of ducts as per Trench cross- section drawing attached in the proposal) and a 0.2mm thick high density polyethylene warning tape shall be placed above the ducts prior to further backfilling. A crown of 250mm shall be made at the top of the backfilled trench to cater for soil settlement. No surplus soil shall be left outside trench. Entire area shall be restored and debris removed and disposed off in a safe manner and in line with requirements of the authority having jurisdiction over the area.



G. G. G. G.
Assistant Engineer
(R & B) NH Section-1, Tadipatri.

Deputy Executive Engineer
(R&B) NH Sub-division, Tadipatri.

Methodology of OFC Laying

Installation of OFC Ducts by Trenchless Techniques (e.g. by HDD)

For the process of HDD excavation of only 2 pits each of standard size 1.5X0.5X1.65M is required which is called Entry pit and exit pit. Pit size may vary based on the site condition. The first stage drills a pilot hole on the designed path, and the second stage (reaming) enlarges the hole by passing a larger cutting tool known as the reamer. The reamer's diameter depends on the size of the duct (HDPE duct in our case) to be pulled back through the bore hole. The driller increases the diameter according to the outer diameter or the conduit and to achieve optimal production. The third stage places the Duct (3 to 7 ducts of 40mm dia each) in the enlarged hole by way of the drill stem; it is pulled behind the reamer to allow cantering of the Duct in the newly reamed path. Pit size may vary based on site condition. Entry and exit pits shall be dug at both ends of the segment which shall later on become either a location for man-hole/hand-hole. The drilled hole profile between entry and exit pits (except transition areas) shall be as straight as possible.

High Ways/Roads/Railway/Bridge Crossings

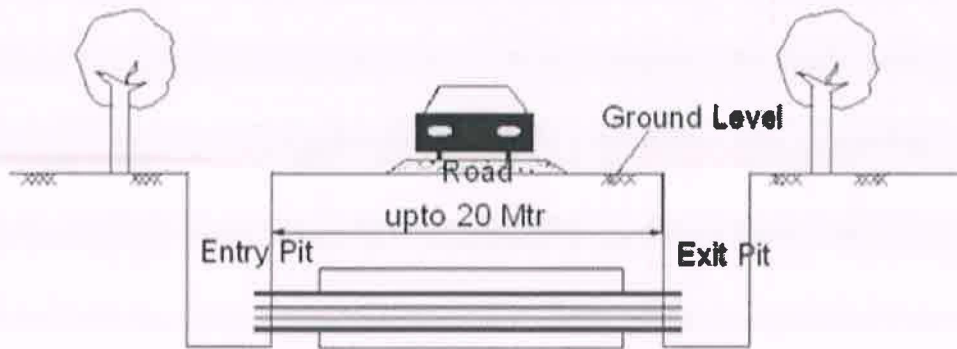
Highways /Roads/railway crossings may be crossed by trenchless technique (HDD/Mouling) appropriate / approved by the authorities (refer typical sketches below). Mouling method is generally not suitable for crossing width of more than 20 meters. For such crossings only HDD should be used when trenchless technique only is approved by authorities.



G. Srinivas
Assistant Engineer
(R & B) NH Section-1, Tadipatri.

Srinivas
Deputy Executive Engineer
(R&B) NH Sub-division Tadipatri.

Methodology of OFC Laying



SINGLE ROAD CROSSING BY MOILING / BORING

Water Body Crossing

Water bodies and other natural obstructions can be crossed by open-cut method, trenchless techniques. In all cases, installation technique shall be such that protection of HDPE ducts is ensured. Necessary protection should be provided.

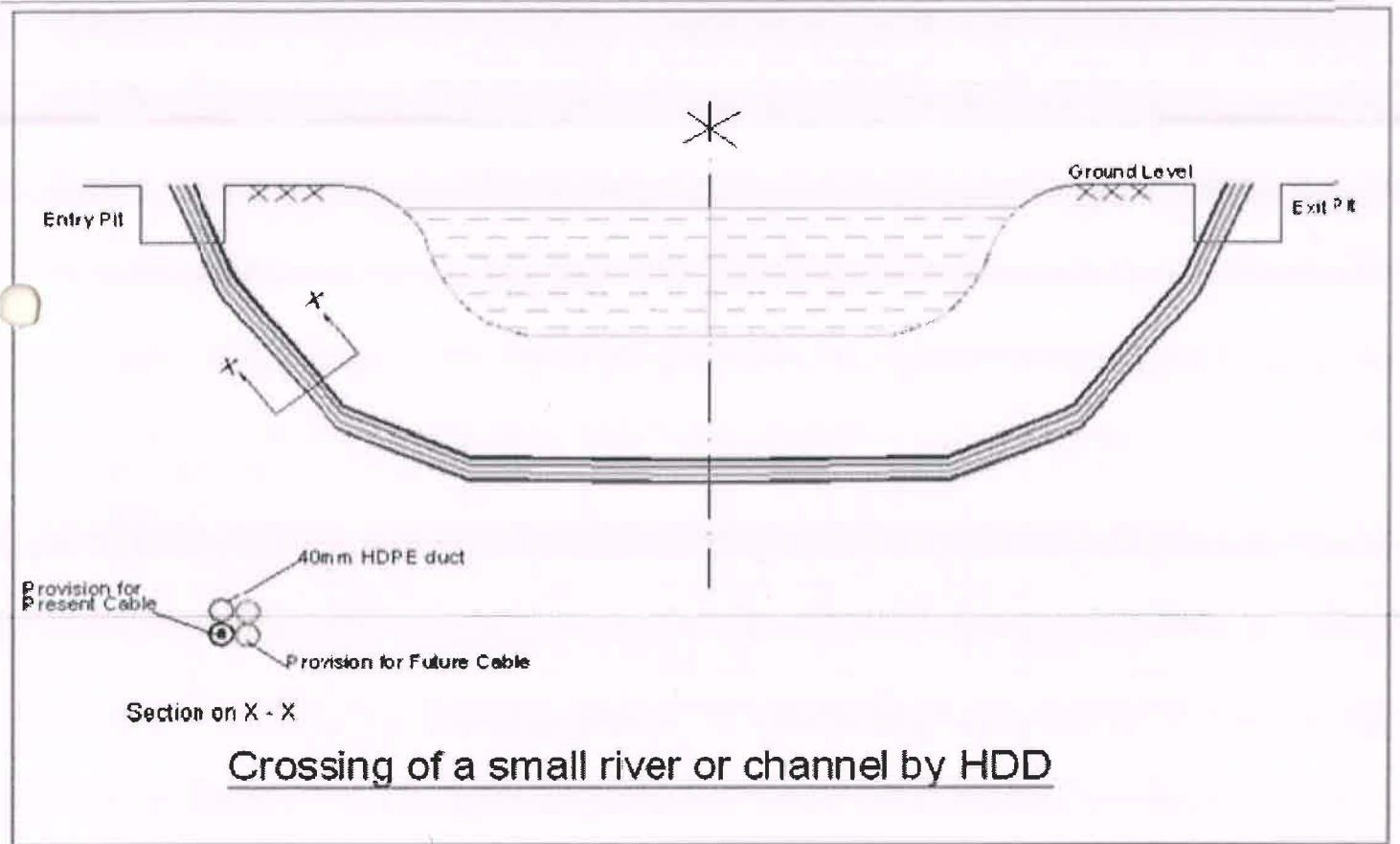


G. Srinivasan
Assistant Engineer
(R & B) NH Section-1, Tadipatri.

Deputy Executive Engineer
(R & B) NH Sub-division, Tadipatri.

Methodology of OFC Laying

Pit size of HDD will be 1.5X1.5X1.65m depth



Crossing by Open-cut method

- i) Open cut method is used when installation on bridge / culvert is not available. This method however is more suited to seasonal water bodies (prone to flowing water such as nala/ stream/ river/ canal etc.) which may be completely / partially dry during installation period. This method can also be used for small water bodies where it is possible to divert water for a short period of installation.
- ii) In case there is only one Hume pipe up to 600mm dia used as a culvert to equalise the water level on both side of road. The duct can be laid at a min depth of 1.65 m without any protection for more than one 600mm dia and all sizes of Box-culverts, ducts shall be installed as clause iii) below
- iii) In Case the water body bed is not rocky (i.e. normal soil is present), a trench 2.0 meter below the bottom of culvert bed shall be dug out and DWC pipe of suitable size shall be installed inside the trench. In case the bed is rocky then minimum depth of trench shall be 1.5 m. 50mm thick sand padding (covering highest point on the trench bottom

Methodology of OFC Laying

surface) shall be provided before installing DWC pipe.

Route Markers

Route markers made of RCC (1:2:4) shall be provided at a distance of every 250 meters or wherever there are crossings or major deviation in the route from being straight. Additionally route markers shall be installed on both sides of the crossing. Route markers shall also be put at duct coupler locations and man-hole and Handhole locations. Markers shall be of length 1250 mm with base of 100 mm x 250 mm tapering to 100 mm x 200 mm. Name/logo of Owner shall be engraved on the surface of marker. Aboveground surface of route marker shall be painted in Blue colour. Route Markers placed at coupler locations shall be painted yellow. Markers placed at the man-holes shall be painted red in colour. Owner name/logo shall be filled with fluorescent white.

Man Holes/Hand holes

Size of Manholes made of RCC is 1.0m dia and depth 1.1m depth. They will be placed 500mm below GL and will be placed each at 1.0Km distance.

Note: Trenchless technology will be used (e.g.: HDD) wherever available ROW is restricted/Built up areas and utility corridors cannot be conveniently earmarked.



G. Rammurthy
30/3/22
Assistant Engineer
(R & B) NH Section-1, Tadipatri.

Deputy Executive Engineer
30/3/22
(R & B) NH Sub-division, Tadipatri.

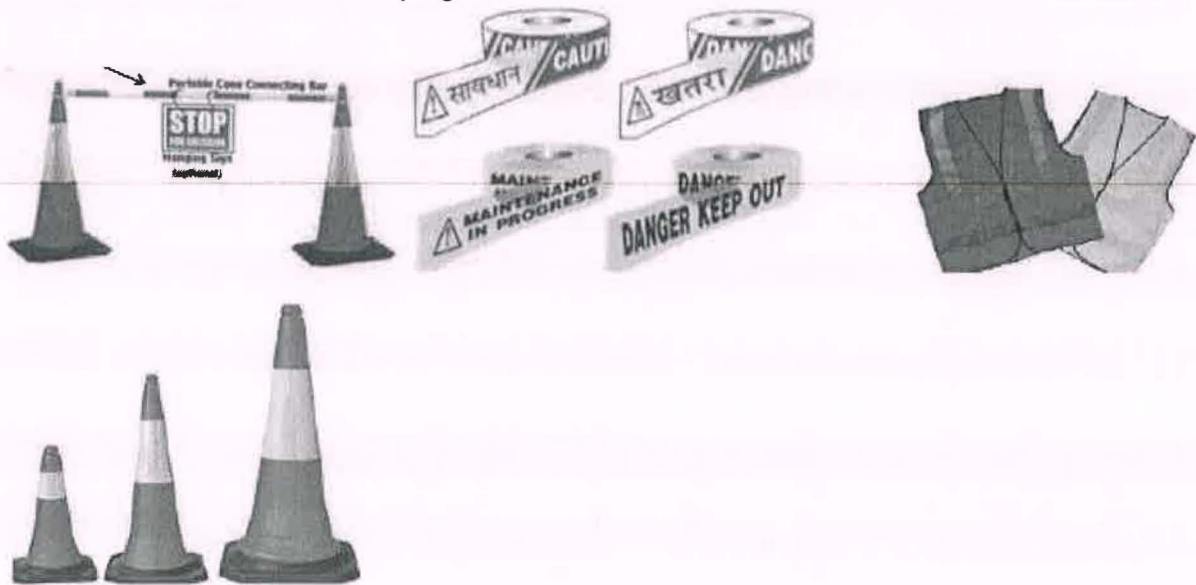
Traffic Management Plan

OFC Ducts are laid at the edge of the Right of Way with minimum disturbance to the Traffic Movement on the Highways. All necessary arrangements for safety of highway traffic and workmen and also to ensure that no impedence is caused to highway traffic by providing a barricading, danger lighting and other necessary caution boards while executing the work shall be provided. If any traffic diversion works are found necessary during the working period, such diversion shall be Co-ordinated with respective authorities and the cost shall be borne by us.

All construction workers and traffic marshals shall be provided high visibility waistcoats during the work for protection against speeding vehicular traffic.

Caution Boards, plastic warning tapes, barricades, night lamps (flicker lamp, lantern with glass painted red) and watchman shall be deployed to caution against the danger and to prevent any accidents to pedestrians, vehicles or animals.

Caution Boards shall be set up a Height of 1.25 meters above Ground level so that they are visible from a minimum distance of 25 meters. Boards shall have yellow and black background with writing in bold letters with red fluorescent paint. Boards shall be displayed at start and finish point of area in which is work is under progress.



Additional display boards shall be placed on either side of the trench. Board markings shall have the Name of Trenching Authority, Name of Engineer/Supervisor of work with contact phone number and planned date of opening and closing Trench.

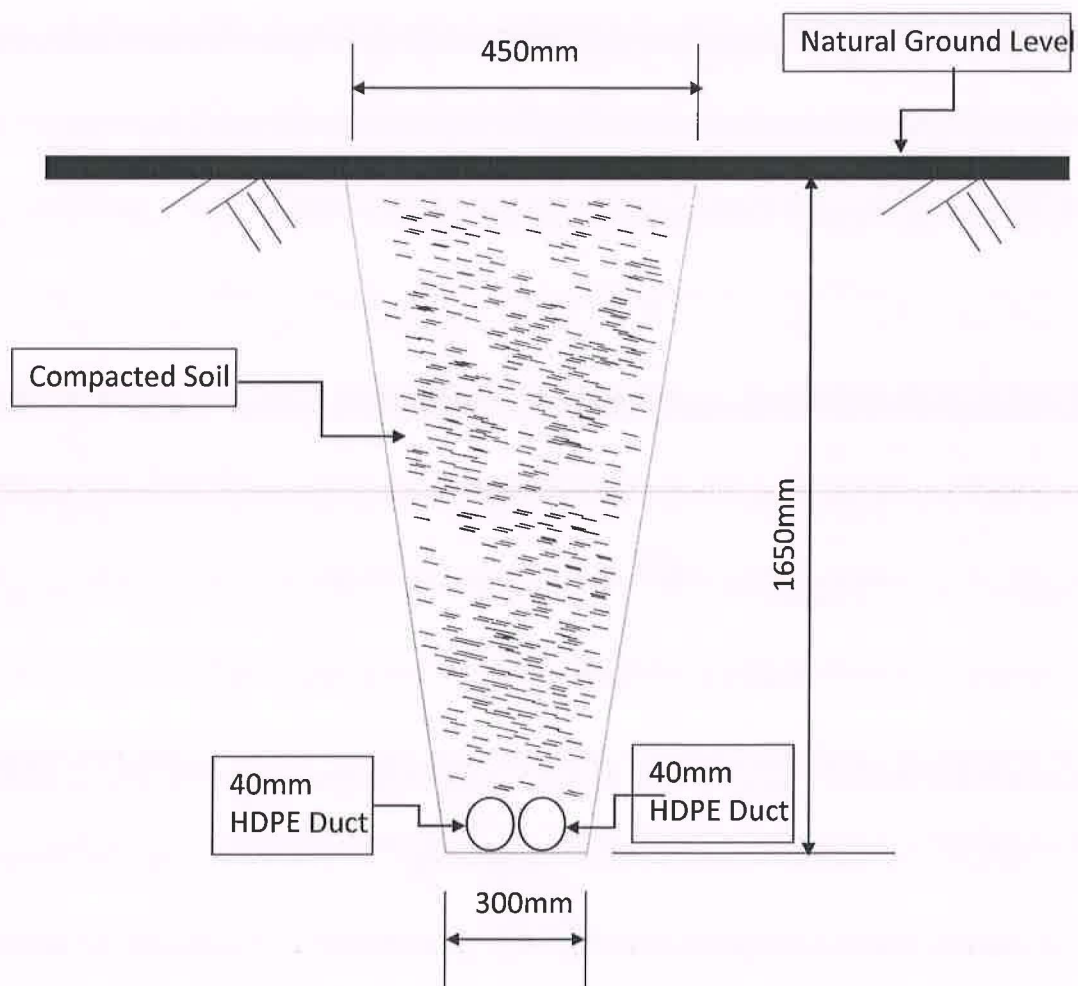
An Undertaking for management of traffic movement during laying of utility line without hampering the traffic also submitted along with the proposal.



G. J. J. J. J.
Assistant Engineer
(R & B) NH Section-1, Tadipatri.

Deputy Executive Engineer
(R&B) NH Sub-division, Tadipatri

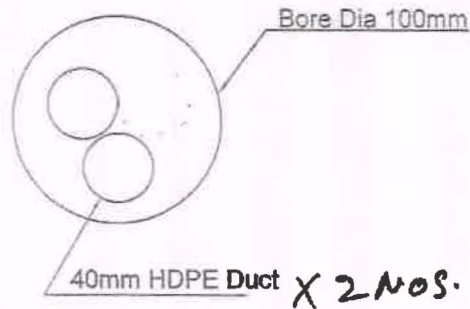
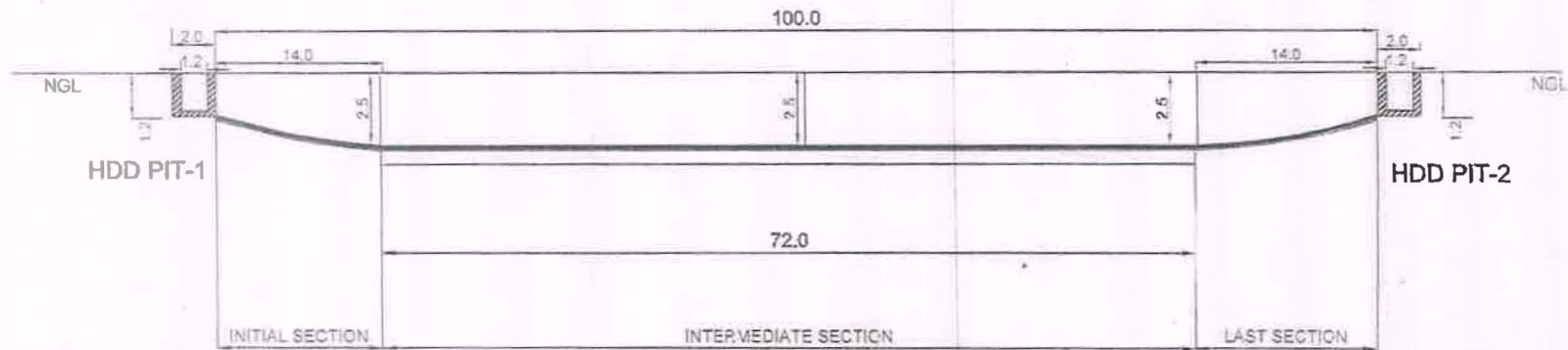
TYPICAL CROSS SECTION OF OFC - OPEN TRENCH METHOD



S. J. Jeyaraj
 Assistant Engineer
 (R & B) NH Section-2, Tadiyarkudi

L. Jeyaraj
 Deputy Executive Engineer
 (R&B) NH Sub-division, Tadiyarkudi

Typical Cross Sectional For HDD



G. 79mm
30/3/14
Assistant Engineer
 (R & B) NH Section-1, Tadipatri.

30/3/14
Deputy Executive Engineer
 (R & B) NH Sub-division, Tadipatri.