

No. RO/VJA/Misc.24/B/OFC/NH-42/Sr.no.74 /1125

Government of India

Ministry of Road Transport & Highways

Regional Office, Vijayawada

Door no. 38-2-3/2, Gorle dalapanna Veedhi, Near American Hospital, Punnammithota
Vijayawada-520010. Tele: 0866-2970220; Fax: 0866-2571985

Dated: 18.02.2021

Invitation of Public Comments

Sub: Proposal for Permission for laying Optical Fibre cable (OFC) along NH-42 by M/s Reliance Jio Infocomm Limited from km 248/950 to km 252/200 (RHS) of NH-42 in Madanapalle bypass road for a total length of 3250mtrs in Chittoor 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 16.12.2020 for laying Optical Fibre cable (OFC) by M/s Reliance Jio Infocomm Limited from km 248/950 to km 252/200 (RHS) of NH-42 in Madanapalle bypass road for a total length of 3250mtrs in Chittoor District in the State of Andhra Pradesh by the Horizontal Directional Drilling (HDD) method.

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 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,
Gorle Dalapanna Veedhi, Near American Hospital,
Punnami Thota, Vijayawada - 520010
Email id: romorthvijayawada@gmail.com.

Encl: As above

Yours Faithfully,



(Nakul Prakash Verma)
Executive Engineer,
For Regional Officer, MoRTH, Vijayawada

Copy to:

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

INSPECTION REPORT

Specification report to accompany the estimate towards license fee for laying of OFC line along NH-42 (old NH-219) from Km 248/950 to Km 252/200 for a total length of 3250 meters in Chittoor District of Andhra Pradesh under (R&B) NH division, Chittoor.

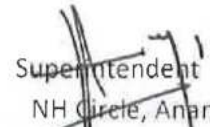
We have inspected the site on 16.03.2019 with reference to the above proposal submitted by the Authorized Signatory of RJIL, vide letter no. RJIL/OFC/ROW/INTERCITY/AG2/NH - 42 / Madanapalli / 2018./ 5392 , Dt: 13.03.2019 and the following points were observed and mentioned below.

- The total length of laying of cable proposed to be laid is 3250 meters along the road from Km Km 248/950 to Km 252/200 for a total length of 3250 meters in Chittoor District of Andhra Pradesh under (R&B) NH division, Chittoor
- The firm has proposed to lay 2nos- 40mm OFC line at the depth of 1.650m from existing ground level.
- Above OFC lines shall have to be laid at a minimum distance of 11 meters
- The ROW of road varies from 25m to 30 m. in this stretch.
- Restoration of the trenches should be done by the agency as specified in MoRTH circular Memo No.RW/NH/33033/29/2015/S&R (R) , dated 22.11.2016
- The agency has submitted Indemnity Bond and undertaking comply with MoRTH guidelines.
- The strip plan, methodology of laying pipeline and other documents submitted by the agency are attached herewith.


27/03/2019
Assistant Executive Engineer(R&B)
NH Section, Chittoor


11/02/2020
Executive Engineer (R&B)
NH Division, Chittoor
**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**

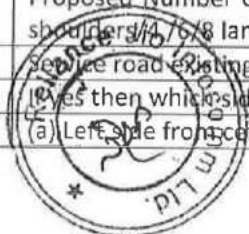

28/3/19
Deputy Executive Engineer(R&B)
NH Sub-Division, Chittoor.


7/1/2020
Superintendent Engineer (R&B)
NH Circle, Anantapur.

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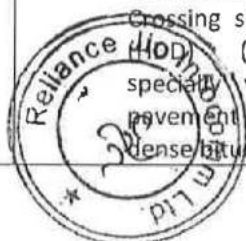
Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI/PWD/BRO.

Sl. No.	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Reliance Jio Infocomm Limited Regd. Office Address : 9 th Floor, Makers Chambers IV, No. 222, Nariman point, Mumbai-400 021 India	
1.2	National Highway Number	NH-42	
1.3	State	Andhra Pradesh	
1.4	Location	Madanapalli Bye Pass road, Madanapalli, Chittoor District	
1.5	(Chainage in km.)	along the Road from KM 248/950 to 252/200	
1.6	Length in Meters	3,250 meters.	
1.7	Width of available ROW		
	(a) Left side from center line towards Increasing chainage/ km direction	11 Meters	
	(b) Right side from center line towards increasing chainage/ km direction	11 Meters	
1.8	Proposal to lay the utility		
	(a) Left side from center line towards increasing chainage/km directions		
	(b) Right side from center line towards increasing /km direction	KM 248/950 to 252/200	
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		
1.11	Details of already laid services, if any, along the proposed route	Details of already laid services/permissions granted is enclosed.	
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		



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	(b) Right side from center line		
1.15	Proposed Service road		
	(a) Left side from center line	No proposed Service Road	
	(b) Right side from center line	No proposed Service Road	
1.16	Whether proposal to lay utility is after the service road or between the service road and main carriageway	Proposal is for laying of utility line (OFC) after the Service Road, wherever existing	
1.17	Whether carrying of sewage/gas pipeline 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/gas pipeline 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	No Crossings involved	
	a) Whether the existing drainage structures are allowed to carry the utility pipeline	Not applicable	
	b) Is it on a line normal to NH	Not applicable	
	c) What is the distance of crossing the utility pipelines 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 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details	Not applicable	
	h) Mention the methodology proposed for crossing of road for the proposed sewage/Gas pipeline. Crossing shall be by boring method (Trenchless Technology), specially where the existing road pavement is of cement concrete or dense bituminous concrete type	Not applicable	



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	i) The casing/conduit pipe shall be 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		
2.1	Cross section showing the size of trench for open trenching method	Enclosed	
	Is it normal size of 1.2m 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	Yes	
	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/Gas pipeline 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 Utility pipeline	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 refilling is 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	

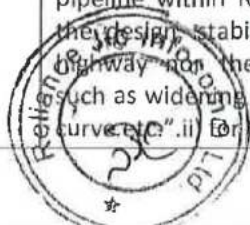


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	d) The side fill shall consist of granular material laid in 15 cms. Layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density. Overfill shall be compacted to the same density as the material 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 pipeline through CD works and method of laying In cases where the carrying of gas pipeline on the bridge becomes inescapable	Not applicable	
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 Reliance Jio Infocomm Limited	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines	Confirmation of BG shall be obtained after BG submission by M/s Reliance Jio Infocomm 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 NHAI or to the concerned agency	Yes, Enclosed	
✓ 5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI	Yes, Enclosed	
✓ 5.3	Undertaking for confirming all standard conditions of Ministry/NHAI'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 NHAI shall be obtained before undertaking any work	Yes Enclosed	

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	of 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 NHAI 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/NHAI 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/NHAI 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 Gas pipeline 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 NHAI for future six laning or/any other development.	Enclosed Enclosed	
6	Who will sign the agreement on behalf of Gas pipe line agency? Power of attorney to sign the Agreement is available or not	Manager-RE, Reliance Jio Infocomm Limited 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 Gas pipeline would be extremely difficult and unreasonably costly and the installation of Gas pipeline 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 curves etc." ii) For 6-laning	Enclosed	

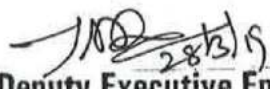


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	<p>a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location".</p> <p>b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning"</p>	Enclosed	
		Enclosed	
8	If NH section proposed to be taken up by NHAI on BOT basis – a clause is to be inserted in the agreement "the permitted highway on which licensee has been granted the right lay Gas Pipeline /duct has also been granted as a right of way concessionaire under the concession agreement for up gradation of ----- section from Km. ----- to km -----of NH no. - ----- on Build, Operate and Transfer basis and therefore the licensee shall honor same.	NA	
9	Who will supervise the work of laying of Utility Pipe line		
	a) On behalf of the applicant	Area Manager, Reliance Jio Infocomm Limited, Madanapalli	
	b) On behalf of MoRTH/NHAI	NH-R&B, Chittoor	
10	Who will ensure that the defects in road portion after laying of utility pipeline are corrected and if not corrected then what action will be taken.		
	c) On behalf of the applicant	Area Manager, Reliance Jio Infocomm Limited, Madanapalli	
	d) On behalf of MoRTH/NHAI	NH-R&B, Chittoor	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	Reliance Jio Infocomm Limited	
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	



Name, Designation and Signature of the Authorized representative of applicant


Deputy Executive Engineer
 (R & B) National Highways
CHITTOOR.

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


EXECUTIVE ENGINEER
 (R & B) N.H. Division
CHITTOOR.

ANNEXURE - I

Calculation of License Fees & Bank Guarantee Amount

Proposal for granting of permission for Laying of Optical Fiber Cable (OFC) along NH-42 from Km 248/950 to 252/200 for a total route length of 3,250 meters in Madanapalli Bye Pass road, Chittoor District of Andhra Pradesh under the Jurisdiction of R&B, NH-Division, Chittoor

Sl. No.	Name of Village	Chainage		Length route Mtrs.	Width Mtrs.	Utilized Land Area Sq. Mtrs.	Prevailing Circle rate of Land in Rs./Acre (As per Revenue Records)	Prevailing Circle rate of Land in Rs./Sq.Mtrs. (Rate per Acre/4046.86)	Amount Rs.	Remarks
		from km	to km							
1	Madanapalle Bye-Pass road	248.95	252.2	3,250	0.08	260.000	53,24,000	1,316	3,42,053	
Total Amount										
License Fees (Rs./month) =3,42,053/10*12										
Total License Fees for 5 years = 2850.44*12*5										
Total License Fees payable by M/s Reliance Jio for Laying of Public Utility Service (Telecom Cables) ----->										
(For Public Utility 33% of Industrial Utilities as per point No. 5 of MoRTH gude lines vide letter No. RW/NH-33044/29/2015/S&R(R) Dated: 22nd November, 2016 i.e. Rs. 1,71,026*33%)										
56,439										

Performance Bank Guarantee Amount calculation

Amount of Performance Bank Guarantee to be submitted = Total No. of route meters x Rs. 100/- per route meter (<= 300 mm dia/width)
i.e. 3250 x Rs. 100/- = 3,25,000/-

Performance Bank Guarantee Amount = 3,25,000/-

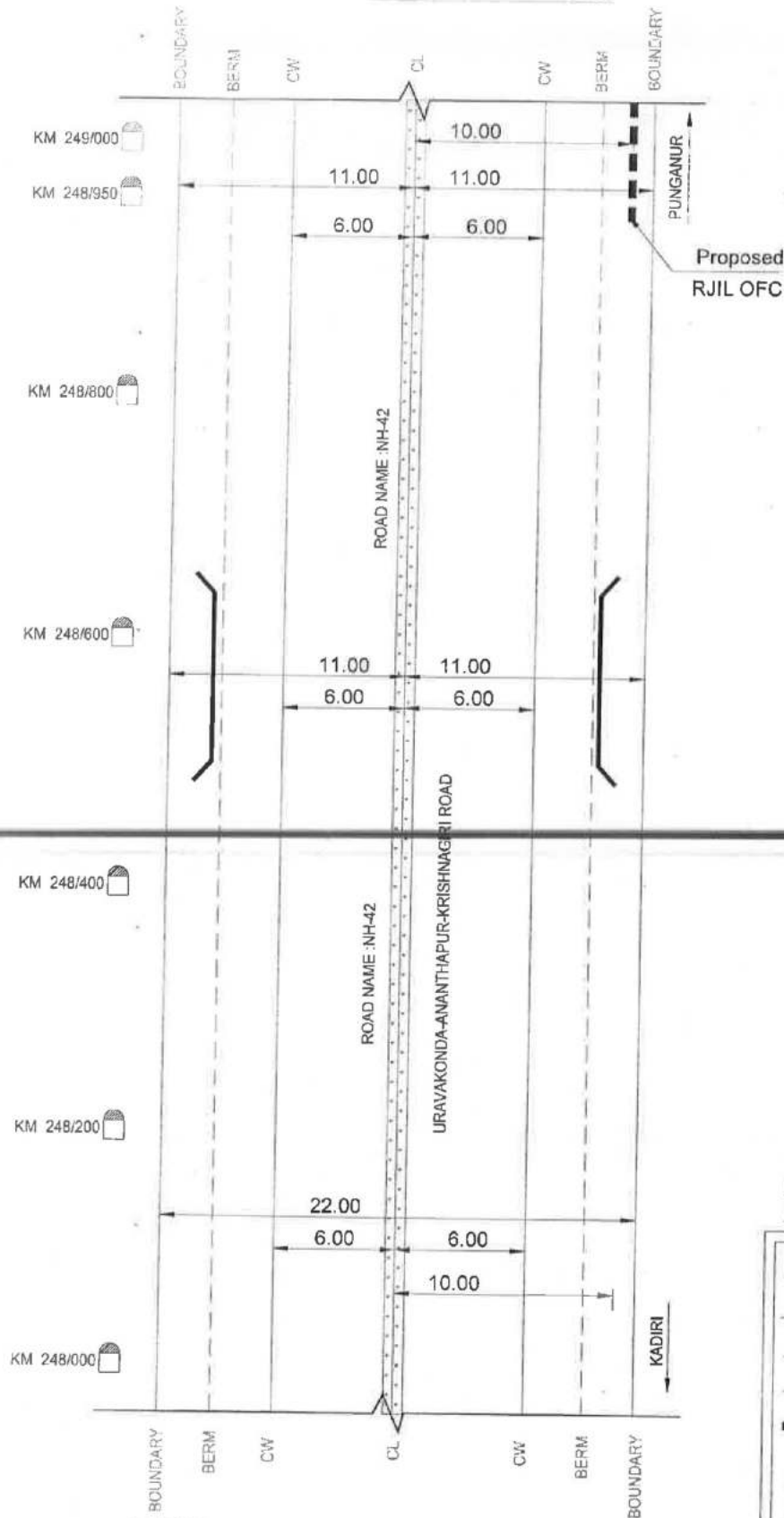


Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.

EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.

ROW PLAN FOR MADANAPALLI-LADDIGAM
ROAD NAME : NH-42

SHEET NO .01



[Signature]
**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**

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**Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.**

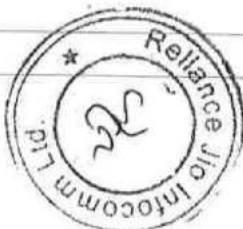
RELIANCE JIO INFOCOMM LIMITED
ALL DIMENSIONS ARE IN METERS

LEGEND:-

- BERM
- ROW BOUNDARY
- CW
- PROPOSED RJIL OFC
- CULVERT / BRIDGE
- RAILWAY LINE

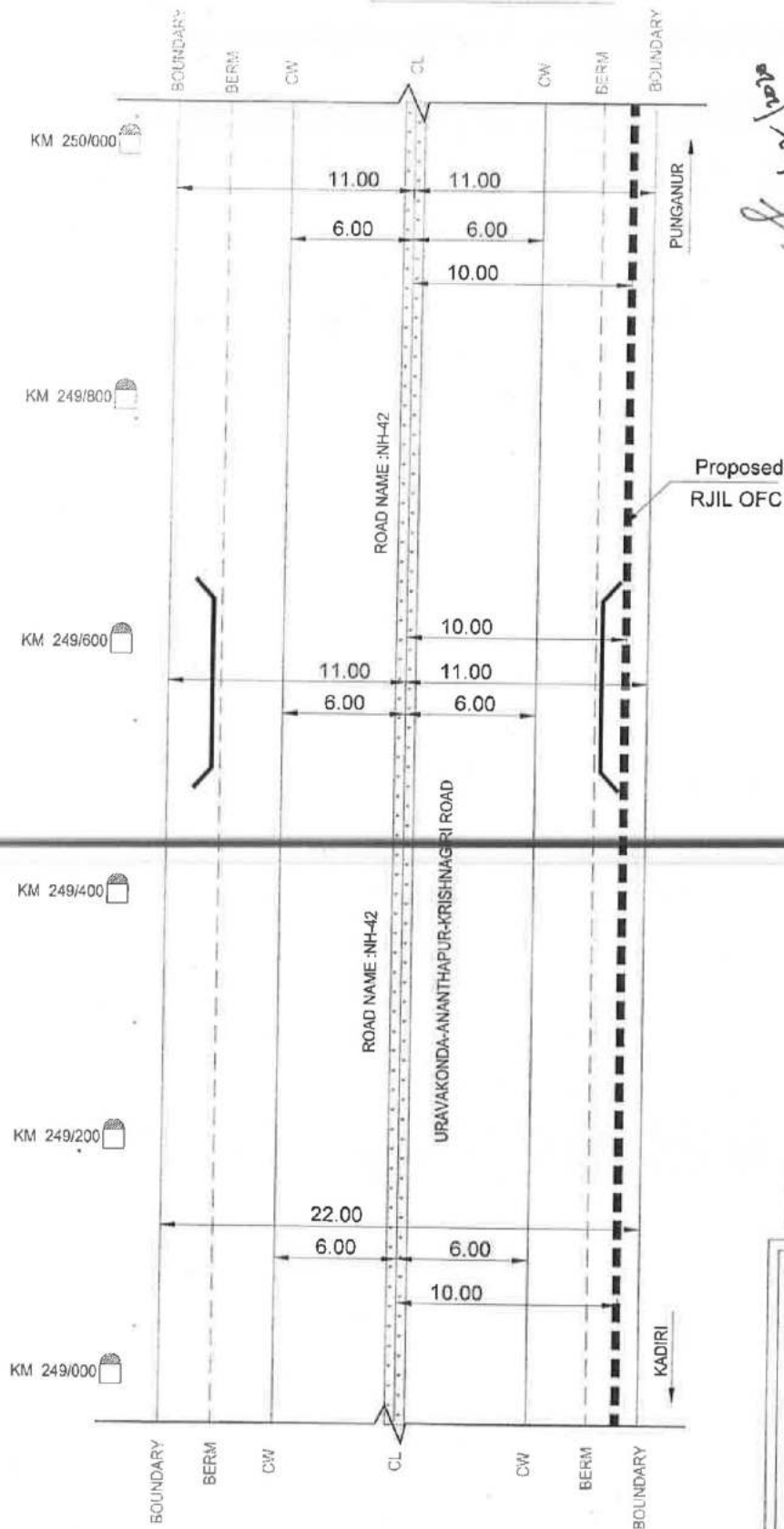
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ROW PLAN FOR MADANAPALLI-LADDIGAM
ROAD NAME : NH-42

SHEET NO .02



[Signature]

**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**

[Signature]
**Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.**

RELIANCE JIO INFOCOMM LIMITED
ALL DIMENSIONS ARE IN METERS

LEGEND:-

- BERM
- ROW BOUNDARY
- CW
- PROPOSED RJIL OFC
- CULVERT / BRIDGE
- RAILWAY LINE

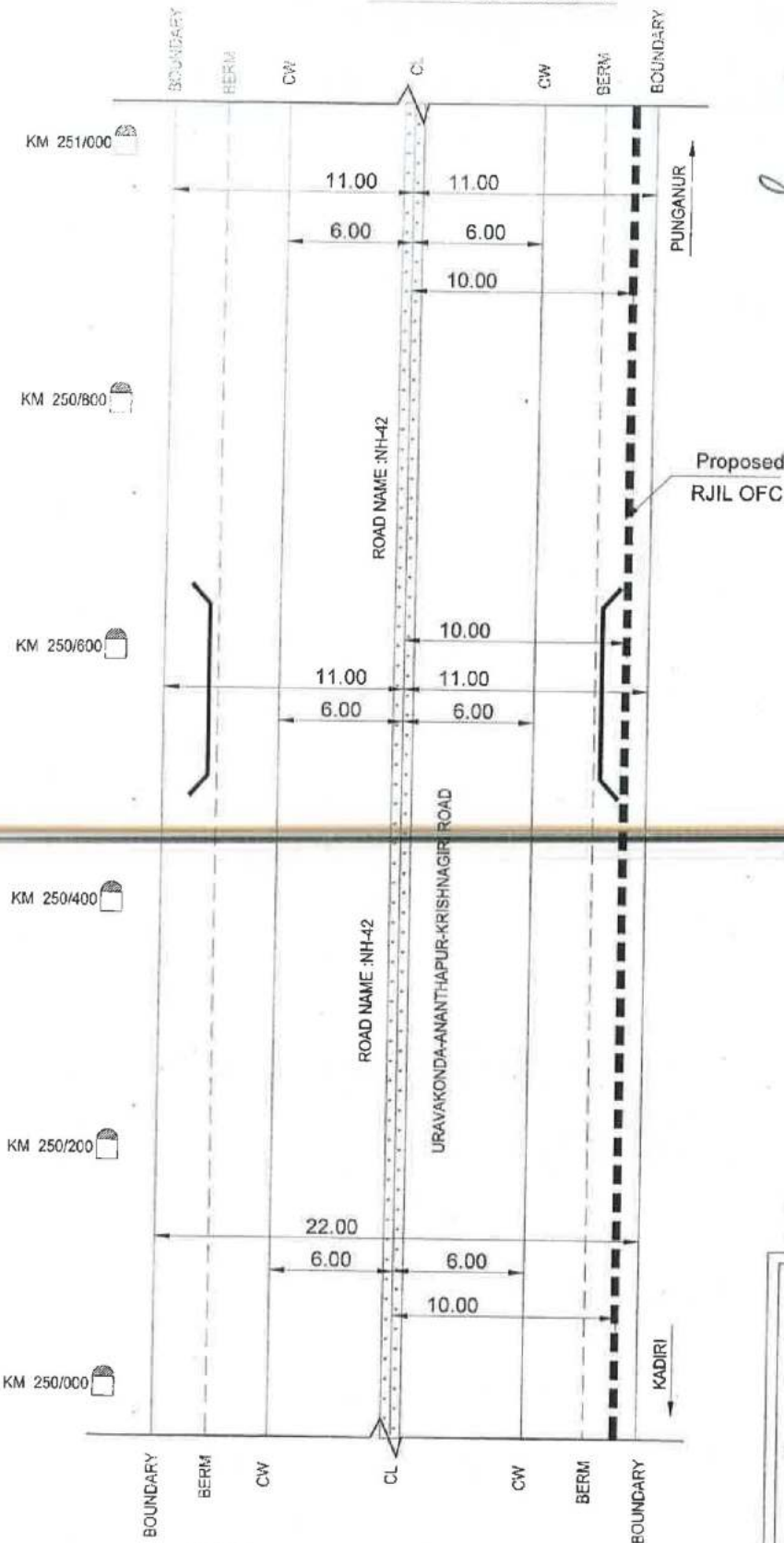
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ROW PLAN FOR MADANAPALLI-LADDIGAM
ROAD NAME : NH-42

SHEET NO .03



[Signature]
**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**

[Signature]
**Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.**

RELIANCE JIO INFOCOMM LIMITED
ALL DIMENSIONS ARE IN METERS

LEGEND:-

- BERM
- ROW BOUNDARY
- CW
- PROPOSED RJIL OFC
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- RAILWAY LINE

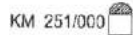
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ROAD NAME : NH-42

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PUNGANUR

Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.

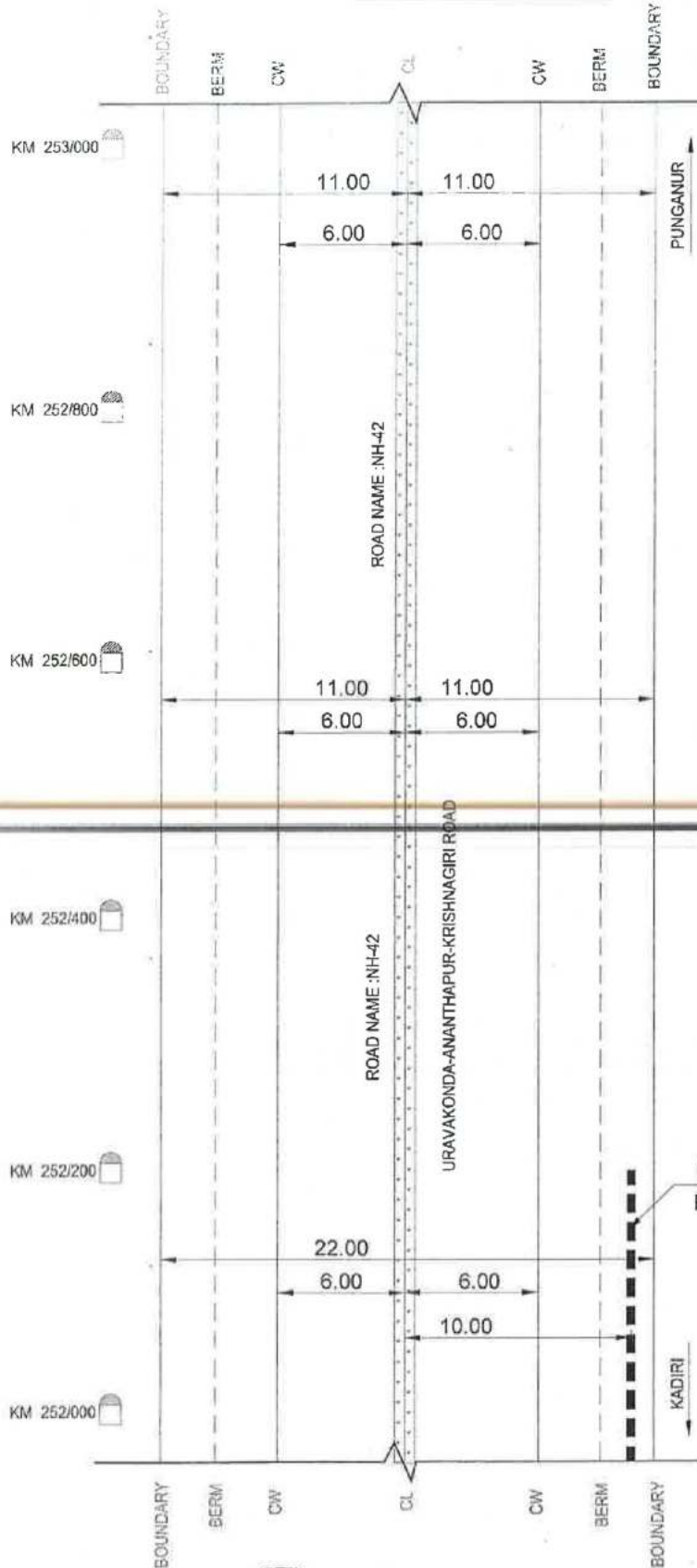
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ROW PLAN FOR MADANAPALLI-LADDIGAM

SHEET NO .05

ROAD NAME : NH-42



[Signature]
EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.

[Signature] 28/12/19
Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.

RELIANCE JIO INFOCOMM LIMITED
 ALL DIMENSIONS ARE IN METERS

LEGEND:-

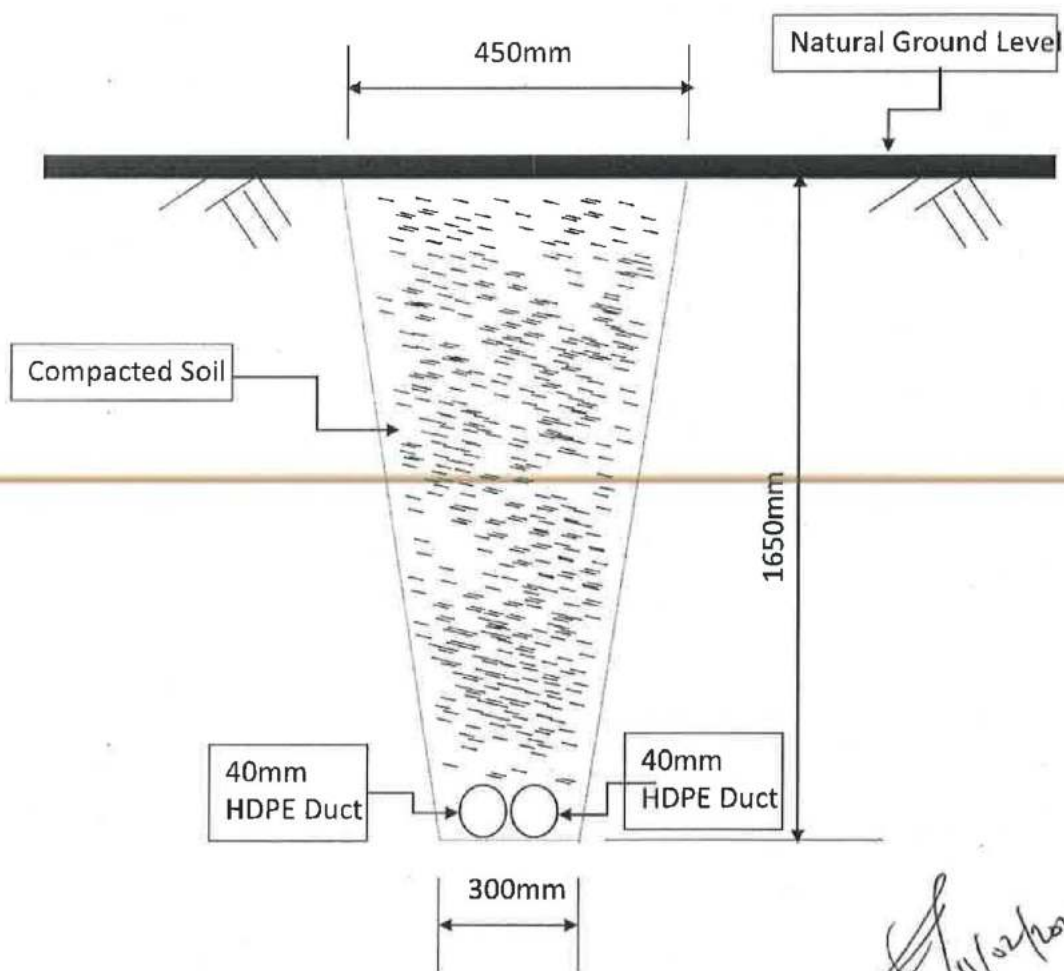
- BERM
- ROW BOUNDARY
- CW
- PROPOSED RJIL OFC
- CULVERT / BRIDGE
- RAILWAY LINE

SCALE

NOT TO SCALE



TYPICAL CROSS SECTION OF OFC - OPEN TRENCH METHOD



[Signature]
28/3/19
**Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.**

[Signature]
**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**



INSPECTION REPORT


Specification report to accompany the estimate towards license fee for laying of OFC line along NH-42 (old NH-219) from Km 248/950 to Km 252/200 for a total length of 3250 meters in Chittoor District of Andhra Pradesh under (R&B) NH division, Chittoor.


We have inspected the site on 16.03.2019 with reference to the above proposal submitted by the Authorized Signatory of RJIL, vide letter no. RJIL/OFC/ROW/INTERCITY/AG2/NH – 42 / Madanapalli / 2018 / 5392 , Dt: 13.03.2019 and the following points were observed and mentioned below.

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- The agency has submitted Indemnity Bond and undertaking comply with MoRTH guidelines.
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Assistant Executive Engineer(R&B)
NH Section, Chittoor


Executive Engineer(R&B)
EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.


Deputy Executive Engineer(R&B)
NH Sub-Division, Chittoor.


Superintendent Engineer (R&B)
NH Circle, Anantapur.

SPECIFICATION REPORT

Specification report to accompany the estimate towards license fee for laying of OFC line along NH-42 (old NH-219) from Km 248/950 to Km 252/200 for a total length of 3250 meters in Chittoor District of Andhra Pradesh under (R&B) NH division, Chittoor.

Estimate Amount:

License Fee: Rs.56,439 /-

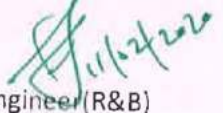
Bank Guarantee : 3,25,000/-


The Authorized Signatory of RJIL, vide letter no. RJIL/OFC/ROW/INTERCITY/AG2/NH – 42 / Madanapalli / 2018 / 5392 , Dt: 13.03.2019 has requested to accord permission for laying of OFC line along NH-42 from Km 248/950 to Km 252/200 for a total length of 3250 meters in Chittoor District of Andhra Pradesh under (R&B) NH division, Chittoor.

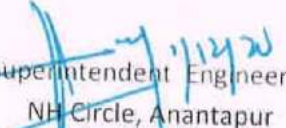
The Land rates have been obtained from official website of registration & stamps department, Government of Andhra Pradesh and copy of the same is attached herewith.

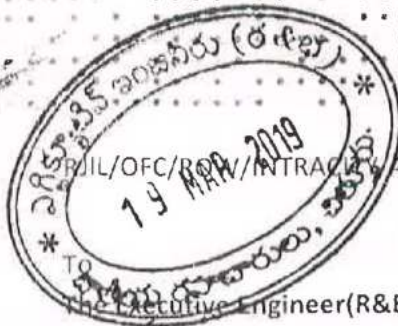
Further, the license fee and bank Guarantee amount have been worked out as per MORTH circular Memo No. RW/NH/330044/29/2015/S&R (R), dated 22.11.2016.


Assistant Executive Engineer(R&B)
NH Section, Chittoor


Executive Engineer (R&B)
NH Division, Chittoor


Deputy Executive Engineer(R&B)
NH Sub-Division, Chittoor


Superintendent Engineer (R&B)
NH Circle, Anantapur



AG2/AP/NH-42/MADANAPALLI/2018/5392

Dated 13th Mar, 2019

420
2131

TO
The Executive Engineer(R&B),
NH Division,
Chittoor,
Chittoor District.

Sub: Request for Right of Way (RoW) permission for laying Optical Fiber Cable (OFC) along NH-42 from Km 248/950 to 252/200 for a total route length of **3,250 meters** in Madanapalli Bye Pass road, Chittoor District of Andhra Pradesh under the Jurisdiction of R&B, NH-Division, Chittoor.

Ref: Ministry of Road Transport & Highways (MoRTH) Guidelines for granting permission for laying Utility Services along and/or across ROW vide letter No. **RW/NH- 33044/29/2001/S&R(R) dated 22-11-2016**

Dear Sir,

Reliance Jio Infocomm Limited (Jio), is a company engaged in the business of providing Digital Services based on a world-class all-IP data strong future proof network with latest 4G LTE technology on pan India basis. Jio has been granted a Unified License by Dept. of Telecommunications, Ministry of Communication & IT, Govt. of India with authorization to provide all Telecom Services in all service areas. Jio will bring transformational changes in the Indian digital services space to enable the vision of Digital India for 1.2 billion Indians and propel India into global leadership in digital economy. Jio will also offer end-to-end solutions that address the entire value chain across various digital services in key domains such as education, healthcare, security, communication, financial services, government-citizen interfaces and entertainment.

We have recently launched **Jio** 4G services across Andhra Pradesh and are presently extending our 4G Network infrastructure in the state and plan to connect as many areas as possible to extend the Digital services like communication, education, entertainment, healthcare, financial services to the local panchayats, schools, hospitals and general public, in line with Govt. of India's Digital India initiative. This will greatly increase the tele density in those remote areas and also lead to economic development of the people living there. Further these services will also benefit various Government Departments like Forest, Revenue, Police, Health, Education and many more in better administration.

As part of this project, we have to lay underground Optical Fiber Cable (OFC) through HDPE ducts at the subject location. The **HDPE ducts of 33 mm dia (40 mm OD) x 2 ducts** will be laid at the extreme possible edge of RoW at a minimum depth of 1.20 mtrs., using various methods like Open Trenching/Horizontal Directional Drilling (HDD) to construct a Fiber Optic backbone link. The Trenching & restoration work shall be carried out in accordance with cited MoRTH guidelines with utmost care.

As per point no. 5 of cited MoRTH guidelines, we shall pay License Fee and also submit Performance Bank Guarantee in the prescribed format with a validity of 1 year (extendable if required till satisfactory completion of work) as per point no. 6.



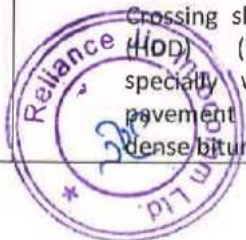
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Guidelines for processing the proposal for laying of utility line in the land along National Highways vested with NHAI/PWD/BRO.

Sl. No.	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Reliance Jio Infocomm Limited Regd. Office Address : 9 th Floor, Makers Chambers IV, No. 222, Nariman point, Mumbai-400 021 India	
1.2	National Highway Number	NH-42	
1.3	State	Andhra Pradesh	
1.4	Location	Madanapalli Bye Pass road, Madanapalli, Chittoor District	
1.5	(Chainage in km.)	along the Road from KM 248/950 to 252/200	
1.6	Length in Meters	3,250 meters.	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/ km direction	11 Meters	
	(b) Right side from center line towards increasing chainage/ km direction	11 Meters	
1.8	Proposal to lay the utility		
	(a) Left side from center line towards increasing chainage/km directions		
	(b) Right side from center line towards increasing /km direction	KM 248/950 to 252/200	
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		
1.11	Details of already laid services, if any, along the proposed route	Details of already laid services/permissions granted is enclosed.	
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		

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	(b) Right side from center line		
1.15	Proposed Service road		
	(a) Left side from center line	No proposed Service Road	
	(b) Right side from center line	No proposed Service Road	
1.16	Whether proposal to lay utility is after the service road or between the service road and main carriageway	Proposal is for laying of utility line (OFC) after the Service Road, wherever existing	
1.17	Whether carrying of sewage/gas pipeline 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/gas pipeline 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	No Crossings involved	
	a) Whether the existing drainage structures are allowed to carry the utility pipeline	Not applicable	
	b) Is it on a line normal to NH	Not applicable	
	c) What is the distance of crossing the utility pipelines 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 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details	Not applicable	
	h) Mention the methodology proposed for crossing of road for the proposed sewage/Gas pipeline. Crossing shall be by boring method (HOB) (Trenchless Technology), specially where the existing road pavement is of cement concrete or dense bituminous concrete type	Not applicable	



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	i) The casing/conduit pipe shall be 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		
2.1	Cross section showing the size of trench for open trenching method	Enclosed	
	Is it normal size of 1.2m 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	Yes	
	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/Gas pipeline 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 Utility pipeline	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 refilling is 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 pipeline through CD works and method of laying In cases where the carrying of gas pipeline on the bridge becomes inescapable	Not applicable	
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 Reliance Jio Infocomm Limited	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines	Confirmation of BG shall be obtained after BG submission by M/s Reliance Jio Infocomm 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 NHAI or to the concerned agency	Yes, Enclosed	
✓ 5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI	Yes, Enclosed	
✓ 5.3	Undertaking for confirming all standard conditions of Ministry/NHAI'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 NHAI shall be obtained before undertaking any work	Yes Enclosed	

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	of 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 NHAI 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/NHAI 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/NHAI 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 Gas pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic	Enclosed	
	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 NHAI for future six laning or/any other development.	Enclosed	
6	Who will sign the agreement on behalf of Gas pipe line agency? Power of attorney to sign the Agreement is available or not	Manager-RE, Reliance Jio Infocomm Limited 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 Gas pipeline would be extremely difficult and unreasonably costly and the installation of Gas pipeline 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	If NH section proposed to be taken up by NHAI on BOT basis – a clause is to be inserted in the agreement "the permitted highway on which licensee has been granted the right lay Gas Pipeline /duct has also been granted as a right of way concessionaire under the concession agreement for up gradation of ----- section from Km. ----- to km ----- of NH no. - ----- on Build, Operate and Transfer basis and therefore the licensee shall honor same.	NA	
9	Who will supervise the work of laying of Utility Pipe line		
	a) On behalf of the applicant	Area Manager, Reliance Jio Infocomm Limited, Madanapalli	
	b) On behalf of MoRTH/NHAI	NH-R&B, Chittoor	
10	Who will ensure that the defects in road portion after laying of utility pipeline are corrected and if not corrected then what action will be taken.		
	c) On behalf of the applicant	Area Manager, Reliance Jio Infocomm Limited, Madanapalli	
	d) On behalf of MoRTH/NHAI	NH-R&B, Chittoor	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	Reliance Jio Infocomm Limited	
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	



Name, Designation and Signature of the Authorized representative of applicant


Deputy Executive Engineer
 (R & B) National Highways
CHITTOOR.

23/2/19


EXECUTIVE ENGINEER
 (R & B) N.H. Division
CHITTOOR.

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

ANNEXURE - I

Calculation of License Fees & Bank Guarantee Amount

Proposal for granting of permission for Laying of Optical Fiber Cable (OFC) along NH-42 from Km 248/950 to 252/200 for a total route length of 3,250 meters in Madanapalli Bye Pass road, Chittoor District of Andhra Pradesh under the Jurisdiction of R&B, NH-Division, Chittoor

Sl. No.	Name of Village	Chainage		Length route Mtrs.	Width Mtrs.	Utilized NH Land Area Sq. Mtrs.	Prevailing Circle rate of Land in Rs./Acre (As per Revenue Records)	Prevailing Circle rate of Land in Rs./Sq.Mtrs. (Rate per Acre/4046.86)	Amount Rs.	Remarks		
1	Madanapalle Bye-Pass road	from km	to km	248.95	252.2	3,250	0.08	260.000	53,24,000	1,316	3,42,053	
Total Amount												
License Fees (Rs./month) =3,42,053/10*12												
Total License Fees for 5 years = 2850.44*12*5												
Total License Fees payable by M/s Reliance Jio for Laying of Public Utility Service (Telecom Cables) -----> (For Public Utility 33% of Industrial Utilities as per point No. 5 of MoRTH gude lines vide letter No. RW/NH-33044/29/2015/S&R(R) Dated: 22nd November, 2016 i.e. Rs. 1,71,026*33%)												
									1,71,026		56,439	

Performance Bank Guarantee Amount calculation

Amount of Performance Bank Guarantee to be submitted = Total No. of route meters x Rs. 100/- per route meter (≤ 300 mm dia/width)
 i.e. 3250 x Rs. 100/- = 3,25,000/-

Performance Bank Guarantee Amount = 3,25,000/-

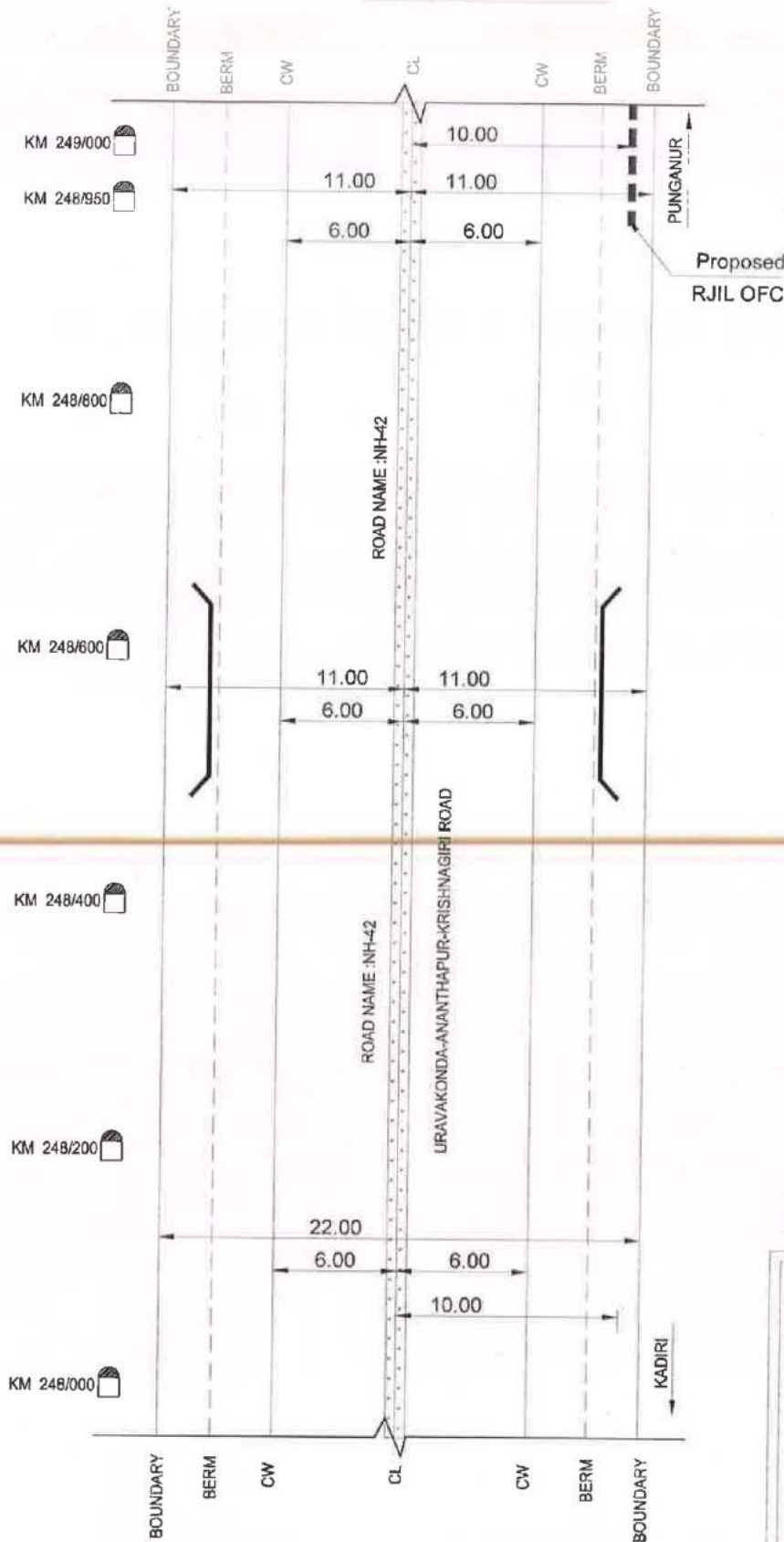



Deputy Executive Engineer
 (R & B) National Highways
CHITTOOR.


EXECUTIVE ENGINEER
 (R & B) N.H. Division
CHITTOOR.

ROW PLAN FOR MADANAPALLI-LADDIGAM ROAD NAME : NH-42

SHEET NO .01



[Signature]
**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**

[Signature]
**Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.**

RELIANCE JIO INFOCOMM LIMITED
ALL DIMENSIONS ARE IN METERS

LEGEND:-

- BERM
- ROW BOUNDARY
- CW
- PROPOSED RJIL OFC
- CULVERT / BRIDGE
- RAILWAY LINE

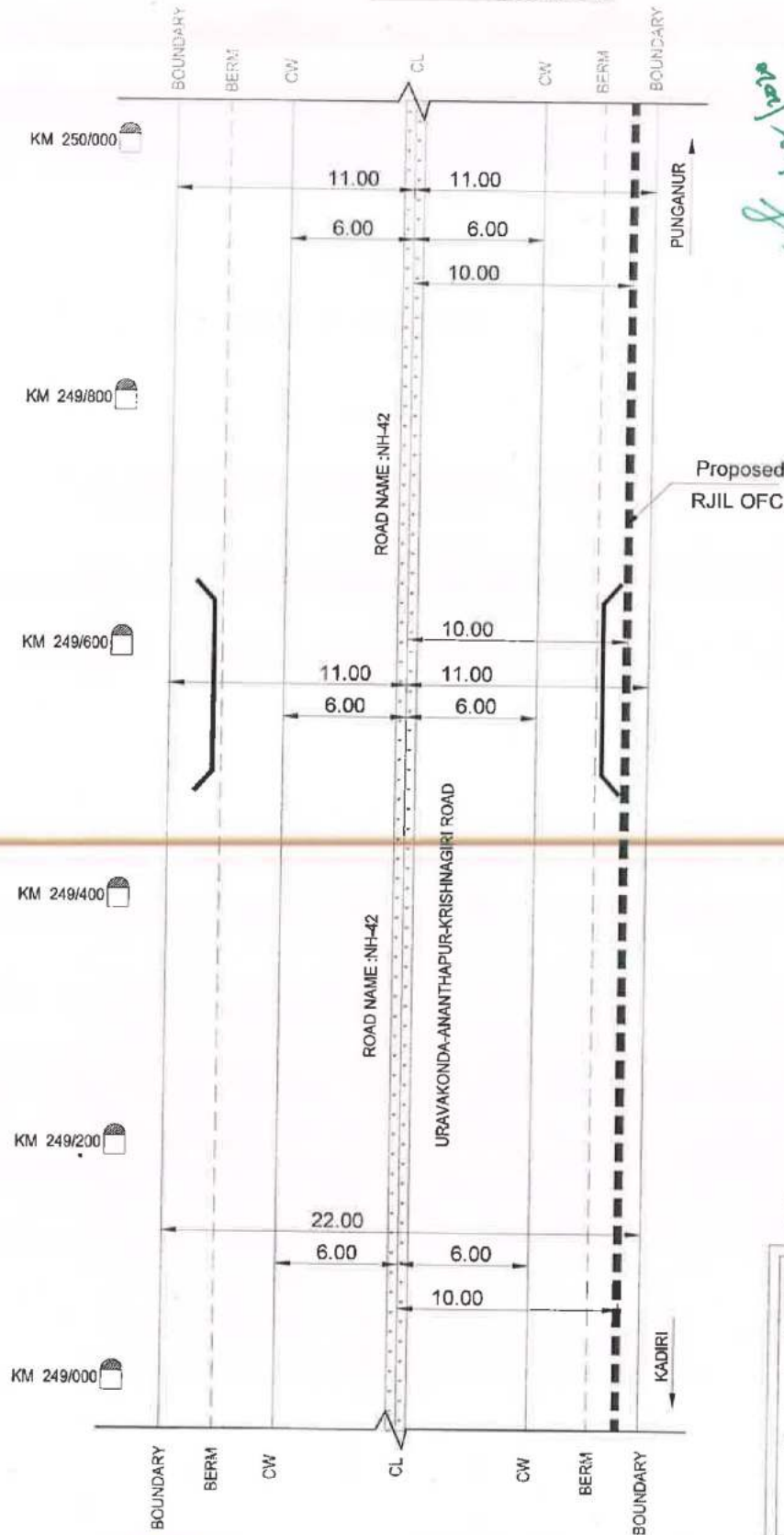
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ROW PLAN FOR MADANAPALLI-LADDIGAM
ROAD NAME : NH-42

SHEET NO .02



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**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**

Handwritten signature in blue ink.
**Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.**

RELIANCE JIO INFOCOMM LIMITED
ALL DIMENSIONS ARE IN METERS

LEGEND:-

- BERM
- ROW BOUNDARY
- CW
- PROPOSED RJIL OFC
- CULVERT / BRIDGE
- RAIL WAY LINE

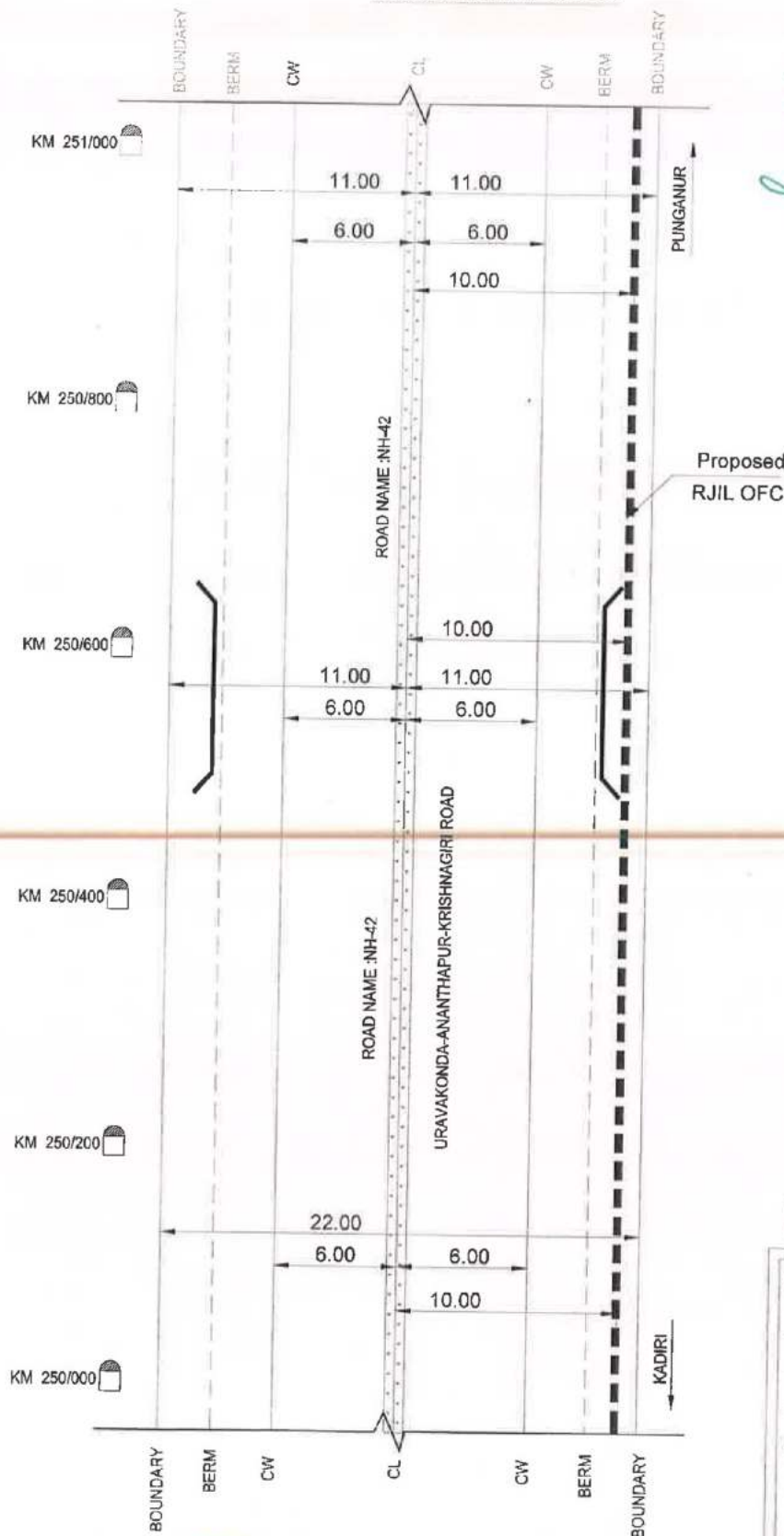
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ROW PLAN FOR MADANAPALLI-LADDIGAM
ROAD NAME : NH-42

SHEET NO .03



Signature

**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**

Signature

**Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.**

RELIANCE JIO INFOCOMM LIMITED
ALL DIMENSIONS ARE IN METERS

LEGEND:-

- BERM
- ROW BOUNDARY
- CW
- PROPOSED RJIL OFC
- CULVERT / BRIDGE
- RAILWAY LINE

SCALE

NOT TO SCALE

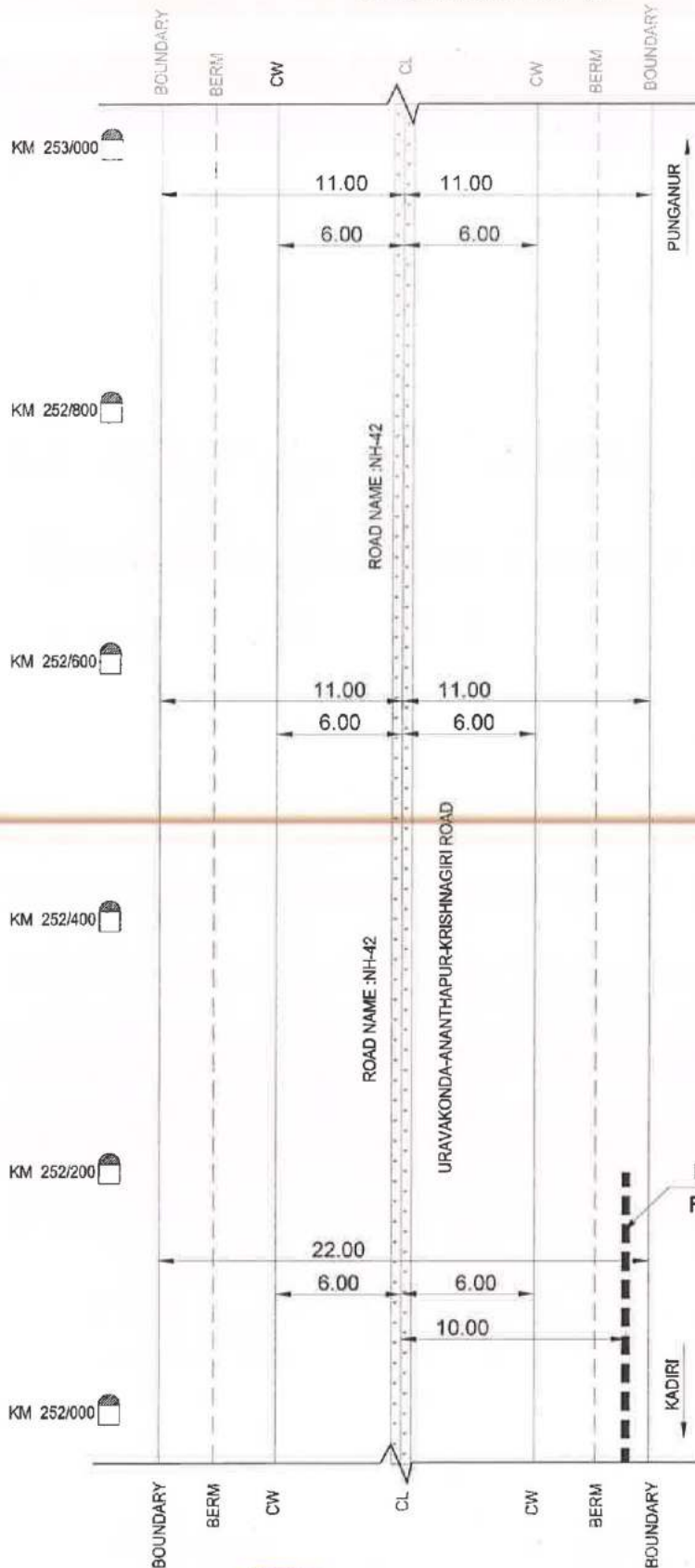


SHEET NO .04



ROW PLAN FOR MADANAPALLI-LADDIGAM
ROAD NAME : NH-42

SHEET NO .05



[Signature]
**EXECUTIVE ENGINEER
(R & B) N.H. Division
CHITTOOR.**

[Signature] 28/12/19
**Deputy Executive Engineer
(R & B) National Highways
CHITTOOR.**

RELIANCE JIO INFOCOMM LIMITED
ALL DIMENSIONS ARE IN METERS

LEGEND:-

- BERM
- ROW BOUNDARY
- CW
- PROPOSED RJIL OFC
- CULVERT / BRIDGE
- RAILWAY LINE

SCALE

NOT TO SCALE

