

**भारतीय राष्ट्रीय राजमार्ग प्राधिकरण**  
(सड़क परिवहन एवं राजमार्ग मंत्रालय)

**National Highways Authority of India**  
(Ministry of Road Transport & Highways)

परियोजना कार्यान्वयन इकाई

Project Implementation Unit - Bengaluru

सर्वे नं. १३, १४ कि. मी., नागासंड्रा, बेंगलूरु - तुमकुर सड़क, (एन. एच.-४), बेंगलूरु - ५६० ०७३

Sy. No. 13, 14th Km., Nagasandra, Bengaluru - Tumkur Road (NH-4) Bengaluru -560 073

Phone : 080 - 28394403  
Tele Fax : 080 - 28394383  
E-mail : bangalore@nhai.org



**BHARATMALA**  
ROAD TO PROSPERITY

No. NHAI/PIU\_BNG/11025/16/2020/425

16.06.2020

**In vitation of public comments**

**Sub: Issue of permission for laying of OFC cables by HDD method from Km. 12.319 to Km. 13.400 (LHS) for a total length of 1.081 Km. along NH-4 in the state of Karnataka – reg.**

**Ref: M/s. Bharti Airtel Ltd., Bangalore letter No. Nil dated 30.12.2019.**

The Project Director, PIU Bengaluru vide letter cited above has submitted the proposal of M/s. Bharti Airtel Ltd., Bangalore for approval of the Competent Authority, Highway Administration.

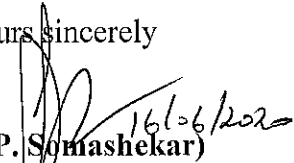
2. From the submitted proposal, it is observed out that, the laying of laying of OFC cables by HDD method from Km. 12.319 to Km. 13.400 (LHS) for a total length of 1.081 Km. along NH-4 in the state of Karnataka.

3. As per Para-4 of Ministry's Circular No. RW/NH-33044/29/2015/S& R (R) dated 22.11.2016 the Highway Administration 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).

4. In view of the above, the comments / objections of affected public is hereby invited with reference to Ministry's circular dated 22.11.2016 for the above mentioned proposal. The objections / comments may be addressed to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

Project Director,  
National Highways Authority of India,  
Bengaluru-Tumkuru Road (NH-4)  
M.S. Ramaiah Enclave,  
Beside Nagasandra Metro Station,  
Bengaluru – 560073.

Yours sincerely

  
(S.P. Somashekar)

GM(Tech) & Project Director

**Copy to:**

1. The Web Admin, NHAI HQ, New Delhi for uploading on NHAI's website
2. Senior Technical Director, NIC, Transport Bhawan, New Delhi – 110001 for uploading on Ministry's website.
3. M/s. Bharti Airtel Ltd., Bangalore for information.

**bharti airtel limited**  
circle office  
#55, divyasree towers,  
bannerghatta main road,  
bangalore - 560 029

www.airtel.in  
call +91 80 41218060  
fax +91 80 41218070



Ref No.Airtel/ROW/NHAI/021

Date: 03.10.2019

To:  
**The Project Director,**  
National Highways Authority of India,  
PIU-Bangalore,  
Nagasandra Village,  
Bangalore – 73.

**Sub: Issue of permission for laying OFC cables along NH-4 by HDD Method from Km.12.319 to 13.400 (LHS) for a total length of 1.081 Km along NH-4 Bangalore to Nelamangala section in the State of Karnataka.**

Dear Sir,

In apropos to the above subject, we M/s Bharti Airtel Ltd., propose to lay OF cables along NH-4 from Km.12.319 to Km.13.400 (LHS) for a total length of 1.081 Km to extend our OFC Network to cover all the SEZs and Industrial areas respectively.

This network would enable us to serve all the customers in this vicinity in providing the respectively band width to cater their respective business requirements.

Presently the networks coverage happens to our leading customers. The fiber technology not only will support to increase the bandwidth requirements. But shall also improve the network outage and network quality to our esteemed customers.

In view of above, we request your good self, please accord permission for laying OF cables along NH-4 from Km.12.319 to Km.13.400 (LHS) for a total length of 1.081 Km at the earliest.

Thanking you,

Yours sincerely,

Authorized signatory

A handwritten signature in black ink, appearing to read 'Kumar Ratil', written over a horizontal line.

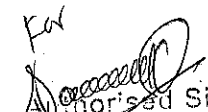
**(Kumar Ratil)**  
**Manager – ROW**  
**For M/s Bharti Airtel Ltd.,**

## CHECK LIST

Enclosure to Ministry of Road Transport and Highways Ministry Circular no: NH-III/P/66/76 dated 19-11-1976 Ministry Circular No : RW/NH-III/P/66/76 dated 11-05-1982 B, Ministry Circular No: RW/NH-11037/1/86/DOI dated 19-1-1995}vide Ministry circular no.RW/NH/33044/17/2000/S&R, dated 23.07.2003.No.Rw/NH-33044/27/2005/S&R(R) (PT) Dated 06.08.2013. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

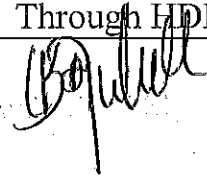
**Issue a permission for laying of Optical Fiber Cable along the NH-4 by HDD Method From Km.12.319 To Km.13.400 (LHS) Along NH-4 Bangalore to Nelamangala section. For M/S Bharti Airtel Limited,**

Sl No.	Item	Information/Status/Remarks
1.0	General Information:	
1.1	Name and Address of the Applicant	<b>M/s Bharti Airtel Limited, No.55, Divyashree Towers, Bannerghatta Road, Bangalore-560 076</b>
1.2	National Highway Number	<b>NH-4</b>
1.3	State	<b>Karnataka</b>
1.4	Location	<b>Premier Sanjeevini Hospital To VRL Travels</b>
1.5	Chain age in Km.	<b>From KM. 12.319 To KM. 13.400 (LHS)</b>
1.6	Length in Meters	<b>1081Meters (1.081 KM)</b>
1.7	Width of available ROW	<b>48-52 Meters – Total row</b>
	(a) Left side from centre line towards increasing Chainage / Km direction	<b>24-26 Mtr Row Available</b>
	(b) Right side from centre line towards increasing Chainage / Km direction	<b>24-26 Mtr Row Available</b>
1.8	Proposals to lay the cable	
	(a) Left side from centre line towards	<b>KM. 12.319 To KM. 13.400</b>

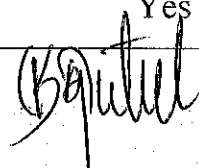
For  
  
 Authorized Signatory  
**M/s Bharti Airtel Limited**  
 No.55, Divyashree, Towers  
 Bannerghatta Road, Bangalore-560029  
 Karnataka circle

**S.P. Somashekar**  
 General Manager (Tech) Project Director  
 National Highways Authority of India  
 P.U. Bangalore

	increasing Chainage / Km direction	
	(b) Right side from centre line towards increasing Chainage / Km direction	NA
1.9	Proposal to acquire land	Not Necessary
	(a) Left side from Centre line	No
	(b) Right side from Centre line	No
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.	NA
1.11	Details of already laid services, if any, along the proposed route	Existing BSNL , Reliance, Airtel , BESCOM, ACT Cable
1.12	Number of lanes (2/4/6/8 lanes) existing.	4 Lane (Main Carriage) and 2 Lane Service Roads on both sides
1.13	Proposed number of lanes (2 lane with paved shoulders / 4/6/8 lanes)	No Changes
1.14	Service Road existing or not	Yes (Both Sides)
	If yes, then which side	Both Sides
	(a) Left side from centre line	15 Mtr to 16.25 Mtr
	(b) Right side from centre line	15 Mtr to 16.25 Mtr
1.15	Proposed Service road	NO
	(a) Left side from centre line	N/A
	(b) Right side from centre line	N/A
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway	After service road in the Utility Duct.
1.17	The permission for laying OFC shall be considered for approval / rejection	Shall be considered for Approval. The sufficient utility corridor is available beyond the service road .
1.18	If crossing of the road involved If Yes, it shall be either encased in Pipes or through structure	Yes encased In pipes Through HDD Method

  
 [Illegible text]

	or Conducts specially built for that Purpose at the expenses of the Agency owing the line	
	a. Existing drainage structures shall not be allowed the carry the lines	Yes Lines will not carried through existing drainage
	b. Is it on a line norms of NH	Yes
	c. Crossing shall not be too near the existing structures on the National Highway, the minimum Distance from existing Structures	It is more than 15 mtrs. There is no structure with in 15 Meters
	d. The casing pipe (or conduit pipe in the case of OFC cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the Carrier pipe/cable.	G.I/ Conduit pipe
	e. Ends of the casing/ conduit pipe shall be sealed from the outside, so that it does not act as a drainage Path.	Yes
	f. The casing/conduct pipe should, As minimum extend from drain to Drain in cuts and toe of slope toe of Slope in the fills.	Yes Will be extended
	g. The top of the casing/conduct Pipe should be at least 1.2meter Below the surface of the road Subject to being at least 0.3 m Below the drain inverts.	Yes 1.2 mtr below the surface of the Road
	h. Crossing shall be by boring Method (HDD) specially where the existing road pavement is of Cement concrete or dense bituminous concrete type.	Yes Crossing by HDD method
	i. The casing /conduct pipe shall be Installed with an even bearing	Yes

  
 B. Pitul

	throughout its length and in such a Manner as to prevent the formation Of a waterway along it.	
2.0	Document /drawing enclosed with the proposal	Yes. Enclosed
2.1	Cross section showing the size of Trench for open trenching method (is it normal size of 1.65m deep x 0.4m wide)	NA
	i) should not be greater than 60Cm 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 15 meter From the centre lines of the nearest carriageway	Located close to the extreme edge of the ROW but not less than centre line of carriage way.
	iii) Shall not be permitted to run along the National Ways When the road formation is situated in double cutting Nor shall these be laid over existing culverts and bridges	There is no double cutting and will not be laid over existing culvert.
	iv) These Should be so laid that their top is at least 0.6 meter 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.	Yes
2.3	Strip plan/Route plan showing Underground OF cable, Chainage, width of ROW, distance Of proposed, cable from the edge Of ROW, important mile stone, Intersections, cross drainage works	Enclosed
2.4	Methodology for laying of underground OF cable	NA
2.4.1	<b>Open trenching method.</b> (May be Allowed in utility corridor only where pavement is neither	NA (as we are using HDD)

	cement Concrete nor dense bituminous Concrete type). If yes, Methodology of refilling of trench	
	a. The trench width should be at Least 30 cm, but not more than 60 Cm wider than the outer diameter Of the pipe.	Width of cutting will not be more than 60cm
	b. For filling of the trench, Bedding shall be to a depth of not Less than 30 cm. It shall consists of Granular material, free of lumps Clods and cobbles and graded to Yield a firm surface without sudden Change in the bearing value. Unsuitable soil and rock edged Should be excavated and replaced By selected material.	Yes As per specification
	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 As per Specification
	d. The side fill shall consist of Granular material laid in 15cm Layers each consolidated by Mechanical tampering and Controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation By saturation or ponding will not be permitted.	Yes As per Specification
	e. The road crust shall be build 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 As per Specification
	f. The excavation shall be protected by flagman, signs and Barricades and red lights during Night hours.	Yes. Care will be taken
	g. If required, a diversion shall be constructed at the expense of Agency	Yes. If required diversion will be constructed.

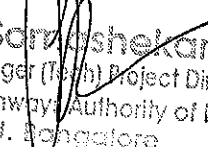
	owing the utility line.	
2.4.2	Horizontal Directional Drilling (HDD) Method.	Yes
2.4.3	Laying underground OF Cable through CD works and Method of laying	By further Deepening and HDD
3	Draft License Agreement signed By two witnesses	Enclosed
4	Performance Bank Guarantee inFavour of NHAI has to be obtained @ Rs. 100/- per running meter parallel to NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50 m away From the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing Debris/loose earth.	Rs. .B/G No.-----Dated----- -----, Bank,----- Branch,
4.1	Performance BG as per above is to be obtained	Yes. Valid Up to
4.2	Confirmation of BG has been Obtained as per NHAI guidelines	Yes
5	Affidavit / Undertaking From The Applicant for	
5.1	Not to Damage to other utility, if Damaged then to pay the losses Either to NHAI or to the concerned Agency	Yes. Undertaking Enclosed
5.2	Renewal of Bank Guarantee	Will be done if necessary
5.3	Confirming all standard condition Of NHAI,s guideline	Yes. Undertaking Enclosed.
5.4	Shifting of underground OF Cable as and when required by NHAI at their own cost.	Yes. Undertaking Enclosed.
5.5	Shifting due to 6 lanning / Widening of NH	Yes. Undertaking Enclosed.
5.6	Indemnity against all damages and Claims clause (xxiv)	Yes. Undertaking Enclosed.
5.7	Traffic movement during laying of	Yes. Undertaking




	Underground OF cable to be Managed by the applicant.	Enclosed.
5.8	If any claim is raised by the Concessionaire then the same has To be paid by the applicant.	Yes. Undertaking Enclosed.
5.9	Prior approval of the NHAI shall Be obtained before undertaking any Work of installation, shifting or Repairs or alterations to the Underground OF cable Located in the national Highway Right-of-ways	Yes. Undertaking Enclosed.
5.10	Expenditure, if any, incurred by NHAI for repairing any damage Caused to the National Highway By the laying maintenance or Shifting of the underground OF cable will be borne by The agency owing the line.	Yes. Undertaking Enclosed.
5.11	If the NHAI considers it necessary In future to move the utility line for Any work of improvement or Repairs the road, it will be carried Out as desired by the NHAI at the Cost of the agency owning the Utility line within a reasonable time (not exceeding 60 days) of the Intimation given.	Yes. Undertaking Enclosed.
5.12	Certification from the applicant in The following format (i)Laying of underground OF cable will not have any Deleterious effects on any of the Bridge components and roadways Safety for traffic.	Yes. Undertaking Enclosed.
	(ii) for 6-lanning "we do undertake That will relocate service Road/approach road/utilities at Our Own cost not withstanding the Permission granted within such Time as well be stipulated by NHAI" for future six-laning or any other development.	6 Lanning already completed.
6.0	Who will sign the agreement on Behalf of underground OFC Cable agency	<b>M/s Bharti Airtel Limited, No.55, Divyashree Towers, Bannerghatta Road, Bangalore-560 076</b>
7.0	Certificate from the Project Director	Enclosed
7.1	Certificate for confirming of all Standard condition issued vide Ministry Circular No.	Enclosed

	NH-III/P/66/76 Dated 19.11.1976 Ministry circular no.RW/NH- III/P/66/76 dated 11.5.1982 Ministry Circular No.RW/NH-11.37/1/86DOI/dated 19.1.1995vide Ministry circular no.RW/NH/33044/17/2000/S&R, dated 23.07.2003.No.Rw/NH-33044/27/2005/S&R(R) (PT) Dated 06.08.2013. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016	
7.2	<p>Certificate from PD in the following format (i)"it is certified that any other Location of the electric cable Would be extremely difficult and Unreasonable costly and the Installation of OF cable within ROW will not adversely affect the design, stability &amp; traffic safety of the highway nor the likely future improvement such as widening of the carriageway,easing of curve etc".</p> <p>(ii)for 6-lanning 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" In case feasibility report is not available" I do certify that sufficient ROW is available at site for Accommodating proposed six-laning"</p>	Enclosed
8.0	If NH section proposed to be taken up by NHAI on BOT basis – a clause in para 17 to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right of way to the concessionaire under the concession agreement for up-gradation of – <b>Bangalore-Nelamangala section.From KM 10.000 To KM 29.500</b> .on Build, Operate and Transfer basis] and therefore, the licensee shall honour the same."	Yes
9	Who will supervise the work of laying of OFC.	<b>M/s Bharti Airtel Limited, No.55, Divyashree Towers, Bannerghatta Road, Bangalore-560 076</b>

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.	<b>M/s Bharti Airtel Limited, No.55, Divyashree Towers, Bannerghatta Road, Bangalore-560 076</b>
11	Who will pay the claims for damages done/ disruption in working of Concessionaire, if asked by the Concessionaire?	<b>M/s Bharti Airtel Limited, No.55, Divyashree Towers, Bannerghatta Road, Bangalore-560 076</b>
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) issued vide Ministry circular no.RW/NH/33044/17/2000/S&R, dated 23.07.2003.No.Rw/NH-33044/27/2005/S&R(R) (PT) Dated 06.08.2013. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016	Enclosed
13	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry circular no.RW/NH/33044/17/2000/S&R dated 23.07.2003) S&R, dated 23.07.2003.No.Rw/NH-33044/27/2005/S&R(R) (PT) Dated 06.08.2013. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.	No
14.0	Copy of DOT license	Enclosed

  
**S.P. Saraveshkar**  
 General Manager (Tech) Project Director  
 National Highway Authority of India  
 P.U. Bangalore

  
 Anand K. Srinivas  
 General Manager (Tech) Project Director  
 National Highway Authority of India  
 P.U. Bangalore