



सत्यमेव जयते

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport & Highways, Govt of India)

क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

301 - ए, तीसरी मंजिल, पाल हाईट्स, प्लॉट नं जे/ 7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा

301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha

दूरभाष / Ph.: 0674 - 2361470/ 570/670 (का/ओ)

ई-मेल/e-mail : roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट/Web : www.nhai.gov.in



NHAI/13011/54/RO/OD/ 2555 /2023

18.09.2023

To

The Sr. Technical Director,  
NIC Centre at MoRTH,  
Transport Bhawan,  
New Delhi 110001

**Sub:** Puintola - Icchapuram Section from Km 419+600 to Km 484+000 of NH-16 in the state of Odisha- Execution of electrical cable line work at Km.441+200 to Km.442+400 on NH-16 near Jagannathpur Junction, Berhampur for laying of 33 kV UG line for IISER, Berhampur- Reg

**Ref:** PD, PIU- Berhampur letter No. 457 dated 28.07.2023

Sir,

Please find enclosed herewith a proposal of Superintending Engineer, TPSODL, Berhampur for laying of 33 kV UG cable line at Km.441+200 to Km.442+400 on NH-16 near Jagannathpur Junction, Berhampur for IISER, Berhampur. The details is as under:

Sl No.	Description	Stretch	NH No.	Chainage	RHS/LHS
1.	Along the road	Puintola - Icchapuram	NH-16	Km.441+200 to Km.442+400	LHS

2. Accordingly, as per guidelines issued by MoRT&H vide F. No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016, the application along with the recommendations of concerned PD/Consultants are enclosed herewith with request to hoist the same in the Ministry's Website for public comments within 30 days of uploading on the website.

This is issued with the approval of Regional Officer, Odisha.

Yours faithfully,

(Sunil Kumar)  
General Manager (Tech)



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NHAI/13011/54/RO/OD/ 2554 /2023

18.09.2023

## INVITATION OF PUBLIC COMMENTS

**Sub:** Puintola - Icchapuram Section from Km 419+600 to Km 484+000 of NH-16 in the state of Odisha- Execution of electrical cable line work at Km.441+200 to Km.442+400 on NH-16 near Jagannathpur Junction, Berhampur for laying of 33 kV UG line for IISER, Berhampur- Reg

Superintending Engineer, TPSODL, Berhampur has submitted a proposal for laying of 33 kV UG cable line at Km.441+200 to Km.442+400 on NH-16 near Jagannathpur Junction, Berhampur for IISER, Berhampur. The details is as under:

SI No.	Description	Stretch	NH No.	Chainage	RHS/LHS
1.	Along the road	Puintola - Icchapuram	NH-16	Km.441+200 to Km.442+400	LHS

2. As per guidelines issued by MoRT&H vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will put out the application 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, the comments of public, if any, on the above mentioned proposal are invited on below mentioned address:

The Regional Officer,  
National Highways Authority of India,  
Regional Office, Odisha  
301-A, 3rd Floor, Pal Heights,  
J/7, Jayadev Vihar, Bhubaneswar 751013, Odisha  
e-mail : [roodisha@nhai.org](mailto:roodisha@nhai.org)

This is issued with the approval of RO, Odisha .

(Sunil Kumar)  
General Manager (Tech)  
National Highways Authority of India,  
Regional Office, Odisha  
301-A, 3rd Floor, Pal Heights,  
J/7, Jayadev Vihar, Bhubaneswar 751013

*[Signature]*

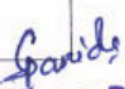


## CHECK LIST FOR GETTING APPROVAL FOR LAYING

### 33 kv U/G LINE FOR IISER ALONG NHAI NO 16.

S.NO	ITEM/DESCROPTION	INFORMATION/STATUS
1	General Information	
1.1	Name and Address of the Applicant/Agency	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESERCH ,BERHAMPUR .
1.2	National Highway Number	NH -16
1.3	State	ODISSA
1.4	Location	Chanage no 441/200 ito 442/400n between Berhampur –Chhatrapur .
1.5	(Chainage in Km)	441/200 to 442/400
1.6	Length in Meters required for Approval	1200 meter .
1.7	Width of available ROW	
	(A) Left side from centre line towards increasing chain age/km direction	441/200 to 442/400 23 METER
	(B) Right side from centre line Towards increasing chain age/m direction	Not required
1.8	Proposal to lay U/G CABLE LINE	
	(a) Left side from centre line towards Increasing chain age/km direction	23 METER

  
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	(b)Right side from centre line towards Increasing chain age/m direction	NOT REQUIRED
1.9	Proposal to acquire land	
	(a) Left side from centre line	1200 METER
	(b) Right side from centre line	Not required
1.10	Whether Proposal is in the same side Where land is not to be acquired	ALREADY LAND AQURED BY NHAI .
	If not then where to lay the cable	ALONG WIYH DRAIN
1.11	Details of already laid services, if any, along the proposed route	New proposal
1.12	Numbers of lanes( 2 lane with paved Shoulders 2/4/6/8 lanes)	4 LANE
1.13	Proposed Number of lanes (2 lane With paved shoulders 2/4/6/8 lanes)	NA
1.14	Service road existing or not	SERVICE ROAD IS AVAILABLE
	If Yes then which side	LEFT & RIGHT
	(a) Left side from centre line	10 METER
	(b) Right side from centre line	10 METER
1.15	Proposed Service road	

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Project Manager  
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	(a) Left side from centre line	NA
	(b) Right side from centre line	NA
1.16	Whether proposed to lay water supply Pipeline is after the service road or Between the service road and main Carriage way	EXITING
1.17	<p>The permission of laying of water supply Pipe Line shall be considered for approval,/ rejection based on the Ministry Circulars Mentioned as above.</p> <p>(a) Carrying of sewage /gas Pipelines in highway bridges Accelerate the process of Corrosion or may cause Explosions, thus, being much More injurious than leakage Of water.</p> <p>(b) Carrying of water pipe lines Bridges shall also be Discouraged. However ,if the water supply authorities seems to have no to her viable alternative and approach the highway authority well in time before the design of the bridge in finalized, they may be permitted to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs, etc.</p> <p>(c) Cost of required extension of The substructure as well as that of the supporting Superstructure shall be borne by the agency-in-charge of the utilities</p> <p>(d) Services are not being</p>	<p>NA</p> <p>NA</p> <p>NA</p>

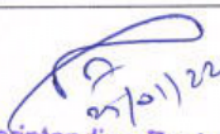
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	<p>allowed indiscriminately on the parapet/any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along to be kept in view while permitting various services along to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's project chief Engineers only</p>	NA
1.18	<p>If crossings 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 expenses of the Agency owning the line</p>	NOT CROSS THE ROAD ..
	<p>(a) Existing drainage structures Shall not be allowed to carry The lines.</p>	This is after drain
	<p>(h) Is it on a line normal to NH Ready withdrawal of the Carrier pipe/cable</p>	AGREED
	<p>(c) Crossings shall not too Near the existing structures On the National Highway, the Minimum distance being 12 Meter. What is the distance From the existing structures</p>	AGREED
	<p>(d) The casing pipe (or conduct Pipe in the case of electric Cable) carrying the utility Line shall be of steel, case iron, or Reinforced cement concrete And have adequate strength and be large enough to permit ready withdrawal carrier pipe/cable</p>	HDPE PIPE /TRENCH



	(e) Ends of the casing / conduit Pipe shall be sealed from the Outside, So that it does not cat As a drainage path.	AGREED
	(f) The casing conduit pipe Should, as minimum extend From drain to drain in cuts and Tow of slope tow of slope in the fills.	AGREED
	(g) The top of the casing conduit Pipe should be at lease 1.2 Meter below the surface of the Road subject to being at Lease 0.3 m below the drain Inverts.	AGREED
	(h) Crossing shall be by boring Meter (HDD) especially Where the exiting road Pavement is of cement Concrete type.	NA
	(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.	AGREED
2	Document/Drawings enclosed with the proposal	ATTACHED

  
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2.1	<p>Cross section showing the size of trench for open trenching method (is it normal size of 1.2m depth x 0.3m wide)</p> <p>( i ) Should not be greater than 60Cm Wider than the outer diameter of the pipe.</p> <p>(ii) Located as close to the extreme edge of the right-of-diameter of the pipe</p> <p>(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</p> <p>(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</p>	ATTACHED
2.2	Crossing section showing the size of pit and location of cable for HDD method	NA
2.3	Strip plan / route plan showing water supply pipe line, Chain age, width of ROW, distance of proposed, cable from the edge of ROW , important mile stone, intersections, cross drainage works etc.	ATTACHED
2.4	Methodology for laying of shoeing Water Supply pipe line.	NA
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, methodology of refilling of trench)	BY SAND AND BRICK

*Spande*



	<p>(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe</p> <p>(b) For filling of the trench, Bedding shall be to a depth of not less than 30cm. It shall consist 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.</p> <p>(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.</p> <p>(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Over full shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.</p> <p>(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.</p> <p>(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.</p> <p>(g) If required, a diversion shall be constructed at the expense of agency owning the utility line</p>	0.225
2.4.2	Horizontal Directional Drilling (HDD) METHOD	YES/TRENCH
2.4.3	Laying of water supply pipe Line through CD works and method laying	NA

	(a) On approaches, the water mains/cables shall be carried Along a line as close to the Edge of the right-of-way as Possible up-to a distance of 30 M from the bridge and subject To all other stipulations Constrained issued with letter No. NH-HI/P/66/76 dated 19.11.1976	AGREED
3	Draft License Agreement signed by two witnesses	YES
4	Performance Bank Guarantee in favour Of NHAI has to be obtained @ Rs.50/- per running meter(parallel to NH) and Rs.1,00,000/- per crossing of NH, for a period of one year initially(extendable if required till satisfactory completion of work) as a security for 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 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the license for clearing debris/loose earth.	It may provide as per rule
4.1	Performance BG has been obtained	May provide as per rule
4.2	Confirmation of BG has been obtained	If required it may obtained .
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	Attached



5.2	Renewal of Bank Guarantee	Agreed
5.3	Confirming all standard condition of NHAI's guideline	AGREED
5.4	Shifting of 33 KV line as and when required by NHAI at their own cost	Agreed
5.5	Shifting due to 6 .lanning / siding of NH	AGREED
5.6	Indemnity against all damages and claims cause (xxiv)	AGREED
5.7	Traffic movement during stringing of 33 kv line to be managed by the applicant	AGREED
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	AGREED
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing power supply line located in the national Highway right of ways.	AGREED
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 power supply line will be borne by the agency owning the line.	AGREED
5.11	If the 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 NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60days) of the intimation given.	AGREED

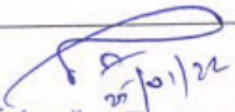
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5.12	<p>Certificate from the applicant in the following format</p> <p>(j) Stringing of supply line will be have any deleterious effects on any of the bridge components and roadway safety for traffic.</p> <p>( ii) for 6-lanning "We do undertake that i will relocate service road/approach road/utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI " for lulure six lanning or any other development."</p>	AGREED
6	Who will sign the agreement on behalf of TIISER	EE /Director ,IISER
7	Certificate from the project director	
7.1	<p>Certificate for confirming of all standard conditions issued vide Ministry circular No. Ministry Circular No. NH-41 (58)/68 dated 31.1.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19/.11.1976, Ministry Circular No. R-W/NH- III/P/66/76 dated 11.05.1982, Ministry Circular No. RWNH-11037/1/86-DOI (ii) dated 28.07.1993, Ministry Circular No.RW/NH-34066/2/95/S&amp;R dated 25.10.1999 and Ministry Circular No. + RW/NH-34066/7/2003 S&amp; R (B) dated 17.09.2003</p>	AGREED
7.2	<p>Certificate from PD in the following format</p> <p>(i) "IT is certified that any other location of the Water Supply Pipe line would be extremely difficult and un reasonable costly and the installation of water supply pipe line within</p>	AGREED

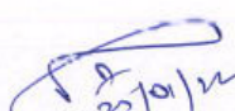


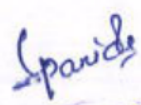
	<p>ROW will not adversely affect the design, stability &amp; traffic safety of the highway not the likely future improvement such as widening of the carriageway, easing of curve etc".</p> <p>(ii) For 6-lanning</p> <p>(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based n 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>	<p>Agreed</p> <p>Agreed</p>
8	<p>If NH section proposed to be taken up by BHAL on BOT basis- a clause is to be inserted in the agreement. "the permitted Highway on which License has also been granted the right of way to the concessionaire under the concession agreement for up-gradation of -----</p> <p>--section from KM-441/200 to Km - 442/400-of NH No. -16- on build, Operate and Transfer Basis ) and therefore, the licenses shall honour the same."</p>	<p>AGREED</p>
9	<p>Who will supervise the work of laying of water supply pipe line</p>	<p>IISER/TPSODL</p>
10	<p>Who will ensure that the defects in road portion after laying of water supply pipe line are corrected and if not corrected then what action will be taken.</p>	<p>IISER/TPSODL</p>

  
 25/01/22  
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11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	IISER/TPSODL/GPIL
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed pro forma(copy enclosed)	AGREED
13	If any previous approval is accorded for stringing 33 kv line then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	NEW PROPOSAL

  
 27/01/22  
 Superintending Engineer (Elect.)  
 BED-III, TPSODL, Berhampur

  
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 Project Manager  
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