



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/2207/2024

11.11.2024

To

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

Sub: Cuttack- Angul section of NH-42 (New NH-55) from Km.60+200 to 112+000 in the State of Odisha under NHDP-III on EPC Mode Package-II- Permission for laying of 11 kV electrical cable across NH-55 at Km.82+740 (Dhenkanal to Angul) at Mouza- Masania, Tahsil- Kharagprasad, Dist- Dhenkanal- Reg

Sir,

Please find enclosed herewith a proposal of M/s NAVA Limited for laying of 11 kV underground electrical cable crossing the project highway at Km.82+740. The details are as under:

Sl. No.	Chainage	Side	Length (m)	Casing pipe dia (in mm)	Remarks
1.	Km.82+740	Across	60	150	Laying of 02 nos. of electrical cable near Masania through HDD method.

2. Accordingly, as per guidelines issued by MoRTH 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 the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar.

Yours faithfully,



(Abinash Behera)
Dy. Manager (Tech)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण (सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार) National Highways Authority of India

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

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NHAI/13011/54/RO/OD/ 2206/2024

11.11.2024

INVITATION OF PUBLIC COMMENTS

Sub: Cuttack- Angul section of NH-42 (New NH-55) from Km.60+200 to 112+000 in the State of Odisha under NHDP-III on EPC Mode Package-II- Permission for laying of 11 kV electrical cable across NH-55 at Km.82+740 (Dhenkanal to Angul) at Mouza- Masania, Tahsil- Kharagprasad, Dist- Dhenkanal- Reg

M/s NAVA Limited has submitted a proposal for laying of 11 kV underground electrical cable crossing the project highway at Km.82+740. The details are as under:

Sl. No.	Chainage	Side	Length (m)	Casing pipe dia (in mm)	Remarks
1.	Km.82+740	Across	60	150	Laying of 02 nos. of electrical cable near Masania through HDD method.

2. As per guidelines issued by MoRTH 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 is 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

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar".

11.11.24

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

CHECK - LIST

Guidelines for Project Directors for processing the proposal for laying of electrical cable in the land along National Highways vested with NHAI.

- **Relevant Circulars**

1. Ministry Circular No. NH-41(58)/68 dated 31.1.1969
2. Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976
3. Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982
4. Ministry Circular No. RW/NH-11037/1/86-DOI(ii) dated 28.07.1993
5. Ministry Circular No. RW/NH-11037/1/86-DOI dated 19.01.1995
6. Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
7. Ministry Circular No. RW/NH-34066/7/2003 S&R(B) dated 17.09.2003


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NAVA LIMITED
(formerly known as NAVA BHARAT VENTURES LHM)
KHARAGPRASAD VILLAGE
NEAR MERAMANDALI RLY. STATION
DIST.-DHENKANAL-759121 (ODISHA)

Check list for getting approval for laying of Electrical Cable Line on NH land.

Sl. S	Item	Information/Status	Remarks
1	General Information		
1.1	Name and address of the applicant/agency	Sri Venugopal N For & on behalf of NAVA LIMITED	
1.2	National Highway Number	NH-55(Old NH-42)	
1.3	State	Odisha	
1.4	Location	Masania	
1.5	(Chainage in Km.)	Km. 82+740	
1.6	Length in Meters.	60m	
1.7	Width of available Row		
	(a) Left side from centre line towards increasing chainage/km. direction	30m	
	(b) Right side from centre line towards increasing chainage/km. direction	30m	
1.8	Proposal to lay underground electrical cable	Electric power cable is proposed to cross the NHA ROW..	
	(a) Left side from center line towards increasing chainage/km direction. (b) Right side from center line towards increasing chainage/km direction.	Crossing only.	
1.9	Proposal to acquire land	NA	प्रबंधक (तकनीक) Manager (Tech.)
	(a) Left side from centre line.		
	(b) Right side from centre line.		
1.10	Whether proposal is in the same side where land is not to be acquired	NA	भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.प्र.प. (P.O., Dhenkanal)
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	Number of lanes (2/4/6/8 lanes)existing	4	
1.13	Proposed number of lanes(2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	No	
	If yes then which side		
	(a) Left side from center line		
	(b) Right side from center line		
1.15	Proposed service road	No proposal	परियोजना निदेशक PROJECT DIRECTOR भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.प्र.प. (P.O., Dhenkanal)
	(a) Left side from centerline		
	(b) Right side from center line		
1.16	Whether proposal to lay electric cable line is after the service road or between the service road and main carriageway	Only Crossing	
1.17	The permission for laying of electric cable line shall be considered for approval/rejection based on the Ministry		

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Analik
Site Engineer

National Highways Authority of India
Project Implementation Unit-Dhenkanal

L.N. Malviya
Team Leader

Authority Engineer
L.N. Malviya Project Pvt. Ltd.

	Circulars mentioned as above.		
(a)	Carrying of sewage/gas pipelines on highway bridges shall not be permitted as fumes /gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.	Agreed	
(b)	Carrying of water pipe lines on bridges shall also be discouraged. However, if the water supply authorities seem to have no other viable alternative and approach the Highway Authority well in time before the design of the bridge is finalized. They may be permitted to carry the pipe line 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.	Agreed	
(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.	Agreed	
(d)	Services are not being 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 bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's project Chief Engineers only.	Agreed	
1.18	If crossing of the road involved. If yes, it shall be either encased in pipes or through structure of conduits specially built for that purpose at the expenses of the agency owning the line.	Agreed	
(a)	Existing drainage structures shall not be allowed to carry the lines.	Agreed	
(b)	Is it on a line normal to NH	Yes	
(c)	Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures?	Agreed	
(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 cement concrete and have adequate strength and be large enough to permit ready	Agreed	

परियोजना निदेशक
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National Highways Authority of India
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प्रबन्धक (तकनीक)
Manager (Tech.)

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	withdrawal of the carrier pipe/cable.		
(e)	Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Agreed	
(f)	The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Agreed	
(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 mtr below the drain inverts.	Agreed	
(h)	Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Agreed	
(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 waterway along it.	Agreed	
2	Document / Drawings enclosed with proposal	Enclosed	
2.1	Cross section showing the size of trench for open trenching method.(Is it normal size of 1.2m deep X0.3m wide).	Details shown in the drawing attached	
(i)	Should not be greater than 60cm. Wider than the outer diameter of the pipe.	Agreed	
(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.	Agreed	
(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.	No such case existing	प्रबंधक (तकनीक) Manager (Tech.) भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.का.ड. धनकानल/PLD, Dhenkanal
(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.	Agreed	
2.2	Cross section showing the size of the pit and location of cable for HDD method	Enclosed	
2.3	Strip plan / Route plan showing water supply pipe line, chainage, width of ROW, distance of proposed pipe line form the edge of ROW, important mile stone, intersections, cross drainage works etc.	Attached	परियोजना निदेशक PROJECT DIRECTOR भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.का.ड. धनकानल/PLD, Dhenkanal
2.4	Methodology for laying of proposed electric cable	Attached	

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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.	NA	
(a)	The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	NA	
(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.	NA	
(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.	NA	
(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.	NA	
(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.	NA	
(f)	The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	NA	
(g)	If required, a diversion shall be constructed at the expenses of agency owning the utility line.	NA	
2.4.2	Horizontal Directional Drilling(HDD) Method	Yes	
2.4.3	Laying of electric cable line through CD works and method of laying	NA	
(a)	On approaches, the water supply 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 contained in this Ministry's guidelines issued with letter No. NH-HI/P/66/76 dated 19.11.1976.	Agreed	


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परियोजना निदेशक
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3	Draft License Agreement signed by two witness	Enclosed	
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 ensuring / making good the excavated trench for laying the cables/ducts by proper filling and compaction, cleaning 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 licensee for clearing debris /loose earth.	Agreed	
4.1	Performance BG as per above is to be obtained.	Agreed	BG copy not attached
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Agreed	BG copy not attached.
5	Affidavit/Undertaking from the applicant for	Enclosed	
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Enclosed	
5.2	Renewal of Bank Guarantee.	Shall be submitted	
5.3	Confirming all standard condition of NHAI's guidelines.	Enclosed	
5.4	Shifting of Water supply pipe line as and when required by NHAI at their own cost.	Enclosed	
5.5	Shifting due to 6 laning/widening of NH.	Enclosed	
5.6	Indemnity against all damages and claims clause(xxiv).	Enclosed	
5.7	Traffic movement during laying of water supply pipeline 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.	Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing water supply pipe line located in the National Highway right of ways.	Enclosed	
5.10	Expenditure, if any incurred by NHAI for repairing any damage caused to the National	Enclosed	

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National Highways Authority of India
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Amal K
Site Engineer

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Project Implementation Unit-Dhenkanal

Shruti
Team Leader

Authority Engineer
L.N. Malviya Project Pvt Ltd.

	Highway by the laying, maintenance or shifting of the water supply pipe line will be borne by the agency owning the line.		
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 shall 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.	Enclosed	
5.12	Certificate from the applicant in the following format (i) Laying of water supply pile line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) For 6-laning" We do undertake that we will relocate service roads/approach road/utilities at 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 water supply pipe line agency	Sri Venugopal N	प्रबंधक (तकनीक) Manager (Tech.)
7	Certificate from the Project Director	Shall be enclosed	भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.का.इ., धंकाणाल/PI.U., Dhenkanal
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. 1. Ministry Circular No. NH-41(58)/68 dated 31.1.1969 2. Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976 3. Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982 4. Ministry Circular No. RW/NH-11037/1/86-DOI(ii) dated 28.07.1993 5. Ministry Circular No. RW/NH-11037/1/86-DOI dated 19.01.1995 6. Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999 7. Ministry Circular No. RW/NH-34066/7/2003 S&R(B) dated 17.09.2003	(Yes/No)	Yes परियोजना निदेशक PROJECT DIRECTOR भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.का.इ., धंकाणाल/PI.U., Dhenkanal

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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 unreasonable costly and the installation of Water Supply pipe line 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 carriageway, easing of curve etc."</p> <p>(ii) For 6- laning</p> <p>(a) Where feasible 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>	(Yes/No)	Yes
8	<p>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 to lay cable/duct has also been granted as a right of way to the 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 honour the same."</p>	Agreed	<p>Yes</p> <p></p> <p>प्रबंधक (तकनीक) Manager (Tech.)</p> <p>भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.का.ड.देंकानाल/D.I.U.,Dhenkanal</p>
9	Who will supervise the work of laying of electric cable line	Sri Venugopal N	
10	Who will ensure that the defects in road portion after laying of electric cable line are corrected and if not corrected then what action will be taken.	Sri Venugopal N	<p></p> <p>परियोजना निदेशक PROJECT DIRECTOR</p> <p>भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India प.का.ड.देंकानाल/D.I.U.,Dhenkanal</p>
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the	Sri Venugopal N	

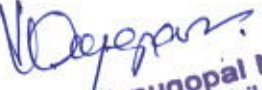

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Project Implementation Unit-Dhenkanal


Team Leader
Authority Engineer
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	concessionaire.		
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).	Enclosed	
13	If any previous approval is accorded for laying of underground water supply pipe line that photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	Agreed	

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Manager (Tech.)
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परियोजना निदेशक
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