



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

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

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

NHAI/13011/54/RO/OD/ 657 /2021

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भारतमाला
राष्ट्र के पथ पर प्रगति



BHARATMALA
ROAD TO PROSPERITY

03.03.2021

To,

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

Sub: Rehabilitation and upgradation to four laning of Baharagora to Singhara Section (Km. 199+200 to Km. 310+806) of NH-6 (Length 111.606 Km) in the state of Odisha under NHDP Phase-IV on EPC mode- **Request permission for laying of water supply pipeline- Reg.**

Ref: 1. PD, PIU- Balasore letter no. 197 dated 25.02.2021
2. RO letter no. 2632 dated 21.12.2020
3. PD, PIU- Balasore letter no. 963 dated 17.11.2020
4. AE (RITES Ltd.) letter no. 419 dated 26.09.2020
5. EE, RWS&S Division, Rairangpur letter no. 4373 dated 28.08.2020

Sir,

Please find enclosed herewith the proposal of EE, RWS&S Division, Rairangpur seeking therewith permission for laying of water supply pipeline along and across the NH-49 at various locations. The details are as under:


Laying along NH-49 (old NH-6)					
RHS			LHS		
Sl. No.	From Ch.	To Ch.	Sl. No.	From Ch.	To Ch.
1	276+900	286+145	1	284+550	286+100
2	284+550	286+100	2	286+200	287+400
3	286+145	286+738	3	287+380	290+712
4	286+700	287+870	4	288+150	289+750
5	288+150	289+750	5	291+256	293+766
6	290+712	292+049	6	292+049	296+200
7	295+313	296+200			
8	298+800	299+468			

Crossing across NH-49 (old NH-6)					
Sl. No.	Chainage	Dia (mm)	Sl. No.	Chainage	Dia (mm)
1	277+500	125	10	286+750	110 & 125
2	280+100	160	11	287+360	110
3	283+250	150	12	289+800	110 & 100
4	284+550	125	13	292+100	125 & 100
5	285+100	125	14	292+364	90 & 90
6	285+811	125	15	292+764	90
7	286+100	150	16	293+300	90
8	286+300	90	17	295+400	200
9	286+600	90	18	295+700	110 & 100

2. Accordingly, as per guidelines issued by MoRT&H vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application alongwith the recommendations of concerned PD & Authority's Engineer 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.

Yours faithfully,

Encl: As above


03.03.2016
CGM (Tech.) & RO, Odisha

Copy to: PD, PIU- Balasore for information



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भारतमाला
एक ही सपना एक ही रास्ता

SHARATMALA
ROAD TO PROSPERITY

NHAI/13011/54/RO/OD/ 656 /2021

03.03.2021

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation and upgradation to four laning of Baharagora to Singhara Section (Km. 199+200 to Km. 310+806) of NH-6 (Length 111.606 Km) in the state of Odisha under NHDP Phase-IV on EPC mode- **Request permission for laying of water supply pipeline- Reg.**

Executive Engineer, RWS&S Division, Rairangpur is seeking permission for laying of water supply pipeline along and across the NH-49 at various locations. The details are as under:

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7	286+100	150	16	293+300	90
8	286+300	90	17	295+400	200
9	286+600	90	18	295+700	110 & 100

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 is invited on below mentioned address:

The Regional Officer,
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
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e-mail : roodisha@nhai.org


CGM (Tech.) & RO, Odisha
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
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CHECK LIST

Guideline for the project Director for processing the proposal for laying of water Supply Pipe line in the land along National highway Vested with NHAI

Relevant Circular

1. Ministry Circular No. NH-41 (58)/68 dated 31.1.1969
2. Ministry Circular No. NH-III/p/66/76 18 dated 19.11.1976
3. Ministry Circular No. RW/ NH-III/P/66/76 dated 11.5.1982
4. Ministry Circular No. RW/ NH-11037/1/86-DO(ii) dated 28.7.1993
5. Ministry Circular No. RW/NH-11037/1/86-DO(ii) dated 19.1.1995
6. Ministry Circular No. RW/ NH-34066/2/95/S&R dated 25.10.1999
7. Ministry Circular No. RW/ NH-34066/7/2003S&R(8) dated 17.9.2003
8. Ministry Circular No. RW/ NH-34044/29/2015S&R(R) dated 22.11.2016

Check list for getting approval for laying of water Supply Pipe Line on NH land No-49			
S.No	Item	Information/status	Remarks
1	General Information	"Execution of 02 Nos. Individual Rural Piped Water Supply Projects pertaining to mining affected villages of Mayurbhanj District including five years Operation & Maintenance"	
1.1	Name and address of the Applicant/Agency	Executive Engineer, Rural water supply & Sanitation Govt. Of Odhisa ,Rairangpur-757043	
1.2	National highway Number	NH-49	
1.3	State	Odhisa	
1.4	Location	Baharagora to Singhara stretch	
1.5	(Chainage in KM)	276.900 TO 299.468	
1.6	Length in meter	31393	
1.7	Width of available ROW	From Ch:299.468 to 276.9 available ROW is 45 mtr	
	a) Left side from center line towards decreasing chainage/Km direction	Avg 22.5 Mtr	
	b) Right side from center line towards decreasing chainage/Km direction	Avg 22.5 Mtr	
1.8	Proposal to lay underground water pipe line	YES	
	a) Left side from center line towards decreasing chainage/Km direction	Ch:299.468 to 298.8 & CH 296.2 to 295.313 & CH 292.049 to 290.712 & CH 289.750 to 288.150 & CH 287.870 to 286.7 & CH 286.738 to 286.145 & 286.100 to 284.550 & CH 286.145 to 276.900	
	b) Right side from center line towards decreasing chainage/Km direction	CH 296.2 to 292.049 & CH 293.766 to 291.256 & CH 289.750 to 288.150 & CH 290.712 to 287.380 & CH 287.400 to 286.2 & CH 286.1 to 284.550	
	Proposal to acquire land	NA	
	(a) Left side from the center line	NA	
	(b) right side from the center line.	NA	
	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay water pipe line	NA	
1.11	Details of already laid servicee, if any, along the proposed route.	NA	
	Number of lanes (2/2,2/4,2/6) existing	4 lane	

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R.W.S & S Division
Raipur

1.13	Proposed Number of lanes(2 lane with paved shoulders/4/6/8 lanes)	4 lane	
1.14	Service road existing or not	Ch:295 to CH 296.5 & CH 288.2 to CH 289.1	
	(a)Left side from the center line	Average 22.5	
	(b) right side from the center line.	Average 22.5	
1.5	Proposed service road	NA	
1.6	Whether proposal to lay Water supply Pipe line is after the service road or between the service road and main carriageway	After the service road wherever present otherwise after main carriageway	
1.7	<p>The permission for laying of water Supply Pipe line shall be considered for approval/rejection based on the Ministry circular mentioned as above.</p> <p>(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.</p> <p>(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 pipeline on independant 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 superstructure as well as that of the supporting superstructure shall be born by the agency-in-charge of the utilities.</p> <p>(d)Service are not being allowed indiscriminaty 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.</p>	<p>NA</p> <p>No Highway bridge shall not be involve in laying the proposed pipe line.</p> <p>YES</p> <p>YES</p>	
	If crossing of the road involved	18 nos	
	If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purposeat the expenses of the agency owning the line	Encasing pipe dia = 1.5 times dia of pipe	
	(a) Existing drainage structure shall not be allowed to carry the lines.	Yes	
	(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.	Morethan 15 meters	

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	(d) The casing pipe(orconduit pipe in the case of electric cable) carrying the utility line shall be of <u>steel</u> , cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable	Yes & Made of MS ✓	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, So the it does not act as adrainage path	Yes	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.	Yes	
	(g) The top pf 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.	Yes	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Attached HDD method statement	
	(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.	Yes	
2	Document/Drawing enclosed with the proposal.	Enclosed	
2.1	Cross section showing the size of trench for open trenching method(Is it normal size of 1.2m deepx 0.3m wide)	Yes	
	(i) Should not be greater than 60cm wider than the outer diameter of the pipe.		
	(ii) located as close to the extreme edge of the right-of-way as possible but not less than 09 meter from the center-lines of the nearest carriageway.	Every where 01 meter inside from ROW.	
	(iii) Shall not be permitted to run alongthe National Highway When the road formation is situated in double cutting. Nor Shall these be laid over the existing culverts and bridges.	Yes Agreed	
	(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 Agreed	
2.2	Cross section showing the size of pit and location of cable for HDD method.	attached Annexure	
2.3	Strip plan/Route plan showing Water Supply pipe line, chainage, width of ROW, diatance of proposed, cable from the edge of ROW, important mile stone, intersection, cross drainage works etc.	attached Annexure	
2.4	Methodology for laying of showing water supply line.	Open Cut Method	
2.4	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.	Attached method statement	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe	Agreed	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to ayeild a Unsuitable soil and rock edged should be excavated and replaced by selected material.	Agreed	
	(c) The backfill shll 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.	Agreed	
	(d) The sidefill 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. Consolidattion by saturation or ponding will not be permitted.	Agreed	
	(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.		

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	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Agreed	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Agreed	
2.4.2	Horizontal Directional Drilling (HDD) Method	Enclosed	
2.4.3	Laying of water supply pipe line through CD works and method of 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 30cm from the bridge and subject to all other stipulation contained in his Ministry's guidelines issued with letter No.NH-HI/P/66/76 dated 19.11.1976.	NA	
3	Draft license Agreement signed by two witnesses.	Enclosed	
4	Performance bank Guarantee in favour of NHAI has to be obtained @ Rs100/- 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, clearing debris/loose earth produced due to execution of trenching at least 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.	To be obtained and Agreed	
4.2	Confirmation of BG has been obtained as per NHAI guideline	To be obtained and Agreed	
5	Affidavite/undertaking from the applicant for	Attached	
5.1	Not damage to other utility, if damaged then to pay the losses either to NHAI or to the concern agency	Agreed	
5.2	Renewal of bank guarantee	Agreed	
5.3	Confirming all standard condition of NHAI's guidelines	Agreed	
5.4	Shifting to water pipeline as and when required by NHAI at their own cost.	Agreed	
5.5	Shifting due to planning/widening of NH	Agreed	
5.6	Indemnity against all damages and claims clause(xxiv).	Agreed	
5.7	Traffic movement during laying of water supply pipe 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 alteration to the showing Water supply pipe 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 water supply pipe line will be borne by the agency owning the line.	Agreed	

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5.11	if the Nhail consider it necessary in future to move the pipelines 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 pipelines	Agreed	
5.12	Certificate from the applicant in the following format (i) Laying of water supply pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) for 6- lanning "We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six- lanning or any other development."	Attached	
6	Who will sign the agreement on behalf of water Supply pipe line agency.	Excutive Engineer RWS&S,Rairangpur	
7	Certificate from Project Director.		
7.1	Certificate for confirming af all standard condition issued vide 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.Rw/NH-III/P/66/76 dated 11.5.1982. Ministry Circular No. RW/NH-11037/1/86-DOI. (ii) dated 28.7.1993, Ministry Circular No. Rw/NH-11037/1/86/DOI dated 19.1.1995. Ministry circular No. RW/NH-34066/2/95/S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003,1.Ministry Circular No.RW/ NH-34044/29/2015S&R(R) dated 22.11.2016	Attached	
7.2	Certificate from the PD in the Flowing Format (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 & traffic safety of the highway nor the likely future improvement such as widening of the carriageway easing of curves etc. (ii)for 6- lanning (a) Where feasibility is available"I do certify that there will be no hindrance to proposed six-lanning based on the feasibility report considering proposed structures at the said location". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodation proposed six-lanning".	Attached	
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 of lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreementfor 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."	Clause is in inserted in the agreement	
9	Who will supervise the work of laying of water Supply pipe line.	RWS&S,Rairangpur	
10	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.	RWS&S,Rairangpur	
11	who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	RWS&S,Rairangpur	
12	A certificate from PD that he will enter proposed permission in the register of record of the permission in the prescribed proforma(Copy enclosed).	Attached	
13	If any previous approval is accorded for laying of underground water Supply pipe line then Photocopy of register of record of permission accorded as maintained by PD then copy be enclosed.	Attached	

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R.W.S & S Sab-Division: Khamir

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