



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), फैक्स / Fax : +91-674-2361770

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



NHAI/13011/54/RO/OD/ 1587/2023

17.05.2023

To

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

Sub: Rehabilitation and Up-gradation to 4-laning of Rajamunda – Barkote section of NH-23 (New NH-143) (Km 287.200 to Km 337.185) in the state of Odisha under NHDP-IV on EPC Basis– Execution of Individual Rural Pipe Water Supply Project (Did No.CIC/RWS&S/57/2010-2019) Pertaining to Deogarh District, PWS to 30 nos. CPs under Reamel & Barkote Block – ROW Approval for laying of water pipeline along and across the road NH-143 - Reg

Sir,

Please find enclosed herewith a proposal of Executive Engineer, RWS&S Division, Deogarh for laying of water pipeline of DI & HDPE Maximum dia 300 mm from Ch 318.500 to Ch.337.000 in (LHS) and RHS from Ch.323.055 to Ch.337.000 along the NH-23 (New NH-143) & 09 nos. of Crossing In the utility Corridor of NHAI. The details are as under:

Sl. No.	Chainage		Side	Length (m)	Width of Corridor (mm)	Remarks
	From	To				
1	318+500	323+955	LHS	5455	600	DI Pipe-100 mm
2	323+955	331+891	LHS	7936	600	DI Pipe-150 mm
3	331+891	337+200	LHS	5109	600	DI Pipe- 200 mm
4	318.500	321.547	LHS	3047	600	HDPE 160 mm
5	323.955	324.357	LHS	402	600	HDPE 90mm
6	324.357	324.707	LHS	350	600	HDPE 75 mm
7	324.981	325.128	LHS	147	600	HDPE-63 mm
8	325.128	325.373	LHS	245	600	HDPE-75 mm
9	325.373	327.137	LHS	1764	600	HDPE 160 mm
10	327.137	328.921	LHS	1784	600	HDPE 140 mm
11	328.921	329.060	LHS	139	600	HDPE 110 mm
12	329.060	330.300	LHS	1240	600	HDPE 90 mm
13	330.865	331.900	LHS	1035	600	HDPE 90 mm
14	331.900	336.605	LHS	4705	600	DI Pipe- 200 mm
15	336.605	337.000	LHS	395	600	HDPE 160 mm
16	323.055	323.405	RHS	350	600	HDPE 75 mm
17	323.405	323.955	RHS	550	600	HDPE 90 mm
18	324.857	325.729	RHS	872	600	HDPE 90 mm
19	329.060	330.300	RHS	1240	600	HDPE 90 mm
20	330.859	332.400	RHS	1541	600	HDPE 90 mm
21	332.469	333.412	RHS	943	600	HDPE 90 mm
21	334.800	337.000	RHS	2200	600	HDPE 160 mm
22	324+060		Across	60	150	HDPE 90 mm
23	324+200		Across	60	250	DI-150 mm

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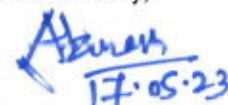
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24	325+585	Across	60	250	HDPE 160 mm
25	329+200	Across	60	150	HDPE 90 mm
26	330+100	Across	60	150	HDPE 90 mm
27	332+120	Across	60	300	DI-200 mm
28	332+580	Across	60	200	HDPE 110 mm
29	334+600	Across	60	150	HDPE 90 mm
30	336+735	Across	60	250	HDPE 160 mm

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, Bhubaneswa.

Yours faithfully,


17.05.23

(Abinash Behera)
Dy. Manager (Tech)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

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सत्यमेव जयते

NHAI/13011/54/RO/OD/ 1586/2023

17.05.2023

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation and Up-gradation to 4-laning of Rajamunda – Barkote section of NH-23 (New NH-143) (Km 287.200 to Km 337.185) in the state of Odisha under NHDP-IV on EPC Basis– Execution of Individual Rural Pipe Water Supply Project (Bid No.EIC/RWS&S/57/2018-2019) Pertaining to Deogarh District, PWS to 38 nos. GPs under Reamal & Barkote Block – ROW Approval for laying of water pipeline along and across the road NH-143 - Reg

Executive Engineer, RWS&S Division, Deogarh has submitted a proposal for laying of water pipeline of DI & HDPE Maximun dia 300 mm from Ch 318.500 to Ch.337.000 in (LHS) and RHS from Ch.323.055 to Ch.337.000 along the NH-23 (New NH-143) & 09 nos. of Crossing in the utility Corridor of NHAI. The details are as under:

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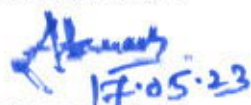
29	334+600	Across	60	150	HDPE 90 mm
30	336+735	Across	60	250	HDPE 160 mm

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".


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 Executive Engineer for processing the proposal for laying of Water Supply Pipe lines in the land along National Highway vested with NHAI

Relevant Circulars

1. Ministry Circular no. NH-41 (58)68 DATED 31.01.1969
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/I/86-DOI (ii) dated 28.07.1993
5. Ministry Circular no. RW/NH-11037/I/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- 34066/07/2003 S&R (B) dated 17.09.2003
8. Ministry Circular no. RW/NH-33044/29/2015/S&R dated 22.11.2016

Check list for getting approval for laying of Water Supply Pipe Lines on NH land (NH-143)

SL NO	ITEM	INFORMATION/STATUS	REMARKS
1	General Information	Permission for laying of 63 mm to 300 mm Dia water pipe line with maximum 600 mm width along the Road from Kulundikudar to (LHS Ch.-318+500 K. m to Ch.-337.000 K. m and RHS Ch.-323.055 to to Ch.-337.000 K. m) Barkote.	Details given in drawing
1.1	Name & Address of the Applicant	The Executive Engineer, RWS&S Division, College Road, Deogarh-768108, Odisha	
1.2	National Highway Number	NH-143	
1.3	State	Odisha	
1.4	Location	CH-318.500 TO CH.337.000(Kulundikudar to Barkote)Barkote Block, Deogarh	


Resident Engineer
MaRS Planning & Engineering Services Pvt. Ltd.


Executive Engineer
RWS & S. Division, Deogarh



Bipin U Mishra
Team Leader cum Sr. Highway Engineer
Rajamunda-Barkote NH-143


परियोजना निर्देशक
PROJECT DIRECTOR
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
प.का.इ. केन्दुझर / PIU - Keonjhar.

1.5	Chainage in Km	<u>Along The Road</u> From Ch. To Ch. Side Distance In Km. 318+500 321+547 LHS 3.047 323+055 323+405 RHS 0.350 323+955 324+357 LHS 0.402 323+405 323+955 RHS 0.550 324+357 324+707 LHS 0.350 324+981 325+128 LHS 0.147 325+128 325+373 LHS 0.245 324+857 325+729 RHS 0.872 325+373 327+137 LHS 1.764 327+137 328+921 LHS 1.784 328+921 329+060 LHS 0.139 329+060 330+300 RHS 1.240 329+060 330+300 LHS 1.240 330+859 332+400 RHS 1.541 330+865 331+900 LHS 1.035 331+900 336+605 LHS 4.705 332+469 333+412 RHS 0.943 336+605 337+000 LHS 0.395 334+800 337+000 RHS 0.220 318+500 323+955 LHS 5.455 323+955 331+891 LHS 7.936 331+891 337+000 LHS 5.109	
1.6	Length in Meters	1. 18500m(Along LHS -DI Pipe)+15253m (Along LHS-HDPE Pipe) and 5716 m Along RHS -HDPE Pipe) 2.9 nos Crossing-600mtr (NH-143)	
1.7	Width of available ROW	60m	
	(a) Left side from center line towards increasing/decreasing chainage / KM direction	30m from center line	
	(b) Right side center from line towards increasing/decreasing chainage / Km direction	30m from center line	
1.8	Proposal to lay pipe line	Laying Utility service pipeline (DI/HDPE) of Mega PWS of various pipesizes ranging from max dia300 mm to min dia 63mm	


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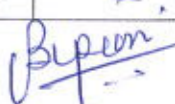

Executive Engineer
R.W.S & S. Division, Deogarh


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Team Leader cum Sr. Highway Engineer
Rajamunda-Barkote NH-23

	(a)Left side from center line towards increasing/decreasing chainage / KM direction	Ch.km 318+500 to 321+547 (Khulundikudar) Ch.km 323+955 to 324+357 (Purunapani) Ch.km324+357 to 324+707(Purunapani) Ch.km324+981 to 325+128(Kadopada) Ch.km 325+128 to 325+373(Kadopada) Ch.km 325+373 to327+137 (Kadopda) Ch.km327+137 to 328+921 (Mardong) Ch.km328+921 to 329+060 (Mardong) Ch.km329+060 to 330+300 (Madong) Ch.km 330+865 to 331+900 (Ludopasi) Ch.km 331+900 to 336+605 (Jumpura) Ch.km 336+605to 337+000 Barkote (Balita) Ch.km318+500 to 323+955 (Kulundikudar) Ch.km323+955 to 331+891 (Kadopada) Ch.km331+891 to 337+000 (Jhumpura)	
	(b)Right side center from line towards increasing/decreasing chainage / Km direction	Ch.km323+055 to 323+405(Purunapani) Ch.km323+405 to 323+955(Purunapani) Ch.km324+857 to 325+729(Kadopada) Ch.km329+060 to 330+300(Mardong) Ch.km330+859 to 332+400(Ludopasi) Ch.km332+469 to 333+412 (Jhumpura) Ch.km334+800 to 337+000Barkote (Balita)	
1.9	Proposal to acquire land	Right to use NH ROW as per law	
	(a)Left side from center line	N.A	
	(b)Right side from center line	N.A	
1.10	Whether proposal is in the same side where land is not to be acquired	N.A	
1.11	Details of already laid services, if any along the proposed route	NIL	
1.12	Number of lanes (2/4/6/8 lane) existing	4 Lanes	
1.13	Purposed number of lanes (2/4/6/8 lanes) with paved shoulders	N.A	
1.14	Service road existing or not, if yes which side	N.A	
	(a) Left side from center line	N.A	
	(b) Right side from center line	N.A	
1.15	Proposed service road	N.A	
	(a)Left side from center line	N.A	
	(b)Right side from center line	N.A	
1.16	Whether proposal to lay water	After the Service road as per availability	


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	supply pipe line is after service road or between the service road and main carriageway	of land & directional of NHAI	
1.17	The permission for laying of water supply pipe line shall be considered for approval / rejection based on the Ministry Circulars as above	Yes Agreed	
	(a) Carrying of sewerage / 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 pipe lines on bridges shall also be discouraged. However, if the water supply authorities seem to have no other viable alternatives and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted to carry the pipelines on independent superstructure, support 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	NA	
	(d) Service are not being allowed indiscriminately on the	NA	


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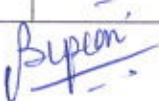

 Executive Engineer
 R.W.S & S. Division, Deogarh


 Bipin U Mishra
 Team Leader cum Sr. Highway Engineer
 Rajamunda-Barkote NH-23

	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.		
1.18	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 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 NH	Yes	
	(c) Crossing shall not be too near the existing structure on the national highway, the minimum distance being 15 meter, what is the distance from the existing structures	Distance from the nearest existing structures is beyond 15 m.	
	(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 withdrawal of the carrier pipe/cable	Agreed	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as 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 pipes should be at least 1.5 mtr	Agreed	


President Engineer
MARS Planning & Engineering Services Pvt. Ltd.



Executive Engineer
R.W.S & S. Division, Deogarh


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Rajamunda-Barkote NH-23

	below the surface of the road subject to being at least 0.3 mtr below the drain inverts		
	(h) Crossing shall be by boring method (HDD) specially where the existing roads 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	
2.0	Document / Drawing enclosed with the proposal	Yes, drawings, documents are enclosed	
2.1	Cross section showing the size of trench for open trenching method (isit normal size of 1.2 mtr deep x 0.6 mtr wide)	Agreed	
2.1(i)	Should not be greater than 600m wider than the outer diameter of the pipe	Yes	
2.1(ii)	Located as close to the extreme edge of the Right-of-way as possible but not less than 15 mtr from the center lines of the nearest carriageway	Yes	
2.1(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	Yes	
2.1(iv)	These should be so laid that their top is at least 0.6 mtr below the ground level so as not to obstructer drainage of the road land	Yes	
2.2	Cross Section showing the size of pit and location of cable for HDD method	Attached	
2.3	Strip plan / route plan showing	Attached	


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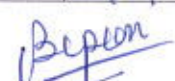

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	water supply pipe line chainage, width of ROW, distance of proposed, cable from the edge of ROW, important milestone, intersection. Cross drainage works , etc.		
2.4	Methodology for laying of showing Water Supply Pipe Line	Agreed	
2.4.1	Open trenching 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	Agreed	
2.4.1(a)	The trench width should be at least 300mm, but not more than 600mm wider than the outer diameter of the pipe	Agreed	
2.4.1(b)	For filling of the trench, Bedding shall be to a depth of not less than 300mm. 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. On suitable soil rock edged should be excavated and replace by selected material	Agreed	
2.4.1(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	Agreed	
	The side fill shall consist of granular material laid in 100mm 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	Agreed	


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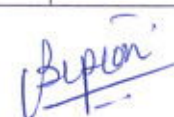

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	removed. Consolidation by saturation ponding will not be permitted.		
2.4.1(e)	The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	Agreed	
2.4.1(f)	The excavation shall be protected by flagman, sign and barricades and red lights during night hours	Agreed	
2.4.1(g)	If required a diversion shall be constructed at the expense of agency owning the utility line	Agreed	
2.4.2	Horizontal Direction Drilling (HDD) Method	As applicable	
2.4.3	Laying Water Supply Pipe line through CD works and method of laying	At all CD work location HDD /Jack pushing methodology will be adopted.	
2.4.3(a)	On approaches, the water main/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 mtr from the bridge and subject to all other stipulations contained in this ministry's guideline issued with letter No. NH-HI/P/66/76 dated 19.11.1976	Agreed	
3	Draft license Agreement signed by two witnesses	Submitted	
4.0	Performance Bank Guarantee in favor of NHA 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	Agreed	


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 Executive Engineer
 R.W.S & S. Division, Deogarh


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	trench for laying the cables / ducts by proper filling and compaction clearing debris/loose earth produced due to execution of trenching at least 50 mtr 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		
4.1	Performance BG as per above is to be obtained	BG will be submitted after technical clearance from RO NHAI and when intimated by NHAI	
4.2	Conformation of BG has been obtained as per NHAI guidelines	Yes will be obtain after submission of BG.	
5	Affidavit / Undertaking from the Applicant for	Enclosed	
5.1	Not to damage to other utility, it damage then to pay losses either to NHAI or to the concerned agency	Agreed, Enclosed	
5.2	Renewal of Bank Guarantee	Agreed	
5.3	Conforming all standard condition of NHAI's guidelines	Agreed	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost	Agreed	
5.5	Shifting due to 6 lane / widening of NH	Agreed	
5.6	Indemnity against all damages and claims clauses (xxiv)	Yes	
5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant	Yes	
5.8	If any claims is raised by the concessionaire then the same has to be paid by the applicant	Yes	
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	Agreed	


Resident Engineer
 MaRS Planning & Engineering Services Pvt. Ltd.


Executive Engineer
 R.W.S & S. Division, Deeg


Bipin U Mishra
 Team Leader cum Sr. Highway Engineer
 Rajamunda-Barkote NH-23

	Right of Ways		
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	Yes	
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 agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Agreed	
5.12	Certificate from the applicant in the following format		
5.12 (i)	Laying of Water Supply pipe line will not have any deleterious effect on any of the bridge components and roadway safety for traffic.	Agreed	
5.12 (ii)	For G- 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 6-lanning or any other development"	Undertaking in this regard attached	
6	Who will sign the agreement on behalf of Water Supply pipe line agency.	The Executive Engineer, RWS&S Division, At-Collage road ,P.O-Deogarh Dist-Deogarh .Pin-768108	
7	Certificate from the Project Director	Enclosed	
7.1	Certificate for conforming of all standard condition issued by Ministry Circular No. Ministry Circular no.NH-41(58)68 dated		

[Signature]

Resident Engineer
MarSP Planning & Engineering Services Pvt. Ltd.


- sd -
Executive Engineer
R.W.S & S. Division, Deogarh

[Signature]
Bipin U Mishra
Team Leader cum Sr. Highway Engineer
Rajamunda-Barkote NH-23

	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/NII/-34066/2/95/ S&R dated 25.10.1999 and Ministry Circular No. RW/NH/34066//2003 S&R (B) dated 17.9.2003		
7.2	Certificate from PD in the following format	YES	
7.2 (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 curve etc."	YES	
7.2 (ii) (a)	Where feasibility is available "I do certify that there will be no hindrance to proposed 6 lining based on the feasibility report considering proposed structure at the said location".	NA	
7.2 (ii) (b)	In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed 6-lining".	NA	
8	If Nh section proposed to be taken up by NHAI on BOT basis a clause to be inserted in the	NA	


Resident Engineer
MaRS Planning & Consulting Services Pvt. Ltd.


Executive Engineer
R.W.S & S. Division, Durgam


Bipin U Mishra
Team Leader cum Sr. Highway Engineer
Rajamunda-Barkote NH-23

	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 there of, the licensee shall honor the same".		
9	Who will supervise the work of laying of Water Supply pipe Line	RWS&S, under guidance of NHAI authority	
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	As NHAI authority would instruct accordingly, the company, RWS&S shall comply	
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the concessionaire	RWSS shall bear the claims	
12	A Certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed proforma (copy enclosed)	Yes	
13	If any previous approval is accorded for laying of underground water Supply Pipe line then photocopy of register of records of the permission accorded as maintained by PD then copy be enclosed	NA	


 Resident Engineer
 MaRS Planning & Engineering Services Pvt Ltd.


 Executive Engineer
 RWS & S. Division, Deogarh


 Bipin U Mishra
 Team Leader cum Sr. Highway Engineer
 Rajamunda-Barkote
 National Highways Authority of India
 प.का.इ. केन्द्रीय/राजमण्डा-बार्कोट
 परियोजना निदेशक
 PROJECT DIRECTOR
 राष्ट्रीय राजमार्ग
 National Highways Authority of India



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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

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

परियोजना कार्यान्वयन इकाई, केन्दुझर / Project Implementation Unit, Keonjhar
बडदेरा, मण्डुआ, केन्दुझर- 758014, ओडिशा / Badadēra, Mandua, Keonjhar- 758014, Odisha
दूरभाष / Ph : 06766-253295

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



NHA/PIU/KJR/NH-23/Access Permission/ 722 /2023

Dt: 13th May 2023

To,

The Regional Officer,
National Highways Authority of India,
Regional Office - Odisha,
Pal Heights, Jayadev Vihar,
Bhubaneswar-751013

Sub: Rehabilitation and Up-gradation to 4-laning of Rajamunda – Barkote section of NH-23 (New NH-143) (Km 287.200 to Km 337.185) in the state of Odisha under NHDP-IV on EPC Basis– Execution of Individual Rural Pipe Water Supply Project (Bid No.EIC/RWS&S/57/2018-2019) Pertaining to Deogarh District, PWS to 38 nos. GPs under Reamal & Barkote Block – **ROW Approval for laying of water pipeline along and across the road NH-143 - Reg.**

- Ref:
1. R.W.S&S ,Division,Deogarh letter no.187 dated 25.02.2023
 2. This office letter no.7523 dated 04.02.2023
 3. Team Leader, M/s LEA Associates South Asia Pvt. Ltd letter no.1985 dated 20.02.2023
 4. This office letter no.7607 dated 25.02.2023
 - 5 R.W.S&S,Division, Deogarh letter no.435 dated 13.04.2023
 - 6 This office letter no.7808 dated 19.04.2023
 7. Team Leader, M/s LEA Associates South Asia Pvt. Ltd letter.no.2119 dated 12.05.2023

Sir,

With reference to the subject cited above, vide letter under reference 1st cited, RWS&S Division,Deogarh has submitted proposal for laying water pipeline of DI & HDPE Maximun dia 300 mm from Ch 318.500 to Ch.337.000 in (LHS) and RHS from Ch.323.055 to Ch.337.000 along the NH-23 (New NH-143) & 09 nos. of Crossing in the utility Corridor of NHAI was submitted to this office for necessary approval. Further, the same was forwarded to the Authority's Engineer of the subject project stretch for necessary verification at their end along with a request to conduct a site inspection to check the feasibility as per the Ministry Circulars RW/NH-37011/52/2020/BP&SP dated 15.01.2021 & Ministry Circular RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.

2. In this context, vide letter under reference 3rd cited, wherein certain observations were raised in regard to the proposal submitted by RWS&S, Deogarh for laying of water pipeline along and across the road NH-143 and the same were communicated to RWS&S, Deogarh vide this office letter under 4th reference with a request for compliance along with submission of revised proposal for the subject work. Accordingly, RWS&S resubmit the proposal vide letter under reference 5th cited. The same has been forwarded to Authority Engineer vide letter under reference 6th cited.

3. In this regard, the site inspection have been conducted by the Authority's Engineer of their subject stretch for checking the feasibility of proposal w.r.t space available in the utility corridor & the proposal have been found feasible at the locations. The AEs have furnished their comments in the letter under reference 7th cited.

4. Further, the proposal has been scrutinised in light of the extant guidelines for "Accommodation of Public & Industrial Utilities along and across National Highways" issued vide Ministry Circular RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and Ministry Circulars RW/NH-37011/52/2020/BP&SP dated 15.01.2021 and the proposal has been found to be in order. The details of the Proposal and comments of the PD are as under.

Sl. No.	Chainage		Side	Length (m)	Width of Corridor (mm)	Remarks
	From	To				
1	318+500	323+955	LHS	2250	600	DI Pipe-100 mm
2	323+955	331+891	LHS	9270	600	DI Pipe-150 mm
3	331+891	337+100	LHS	14900	600	DI Pipe- 200 mm
4	318.500	321.547	LHS	3047	600	HDPE 160 mm
5	323.955	324.357	LHS	402	600	HDPE 90mm
6	324.357	324.707	LHS	350	600	HDPE 75 mm
7	324.981	325.128	LHS	147	600	HDPE-63 mm
8	325.128	325.373	LHS	245	600	HDPE-75 mm
9	325.373	327.137	LHS	1764	600	HDPE 160 mm
10	327.137	328.921	LHS	1784	600	HDPE 140 mm
11	328.921	329.060	LHS	139	600	HDPE 110 mm
12	329.060	330.300	LHS	1240	600	HDPE 90 mm
13	330.865	331.900	LHS	1035	600	HDPE 90 mm
14	331.900	336.605	LHS	4705	600	DI Pipe- 200 mm
15	336.605	337.000	LHS	395	600	HDPE 160 mm
16	323.055	323.405	RHS	350	600	HDPE 75 mm
17	323.405	323.955	RHS	550	600	HDPE 90 mm
18	324.857	325.729	RHS	872	600	HDPE 90 mm
19	329.060	330.300	RHS	1240	600	HDPE 90 mm
20	330.859	332.400	RHS	1541	600	HDPE 90 mm
21	332.469	333.412	RHS	943	600	HDPE 90 mm
21	334.800	337.000	RHS	2200	600	HDPE 160 mm
22	324+060		Across	60	150	HDPE 90 mm
23	324+200		Across	60	250	DI-150 mm
24	325+585		Across	60	250	HDPE 160 mm
25	329+200		Across	60	150	HDPE 90 mm
26	330+100		Across	60	150	HDPE 90 mm
27	332+120		Across	60	300	DI-200 mm
28	332+580		Across	60	200	HDPE 110 mm
29	334+600		Across	60	150	HDPE 90 mm
30	336+735		Across	60	250	HDPE 160 mm

- The applicant RWS&S, Deogarh has appraised that the pipeline has been proposed to lay in the NH-23 (New NH-143) to cater water supply.
- The proposed HDPE Water pipeline starts from Km 318+500 to Km 337+000. The maximum width of corridor required are up to 600 mm along & across the NH-23.
- The proposed HDPE water pipeline along the NH-143 shall be carry out by Open Trench Method and crossing shall pass through 300 mm dia (Maximum) casing Horizontal Direction Drilling (HDD) method. Pipe casing to be provided from edge to edge of ROW i.e at 60 meter of length.
- There are total 09 Nos. Crossings in the Project Stretch. As per submitted Plan situated at Km 324+060, Km 324+200, Km 325+585, Km 329+200, Km 330+100, Km 332+120, Km 332+580, Km 334+600 & Km 336+735.
- The excavation of trench shall be done with care without harming the avenue plantation.

- g) The applicant has submitted the requisite drawings, documents, undertakings as per the guidelines and the proposal has been found to be in order.
- h) The Authority's Engineer has checked the feasibility on site and recommended the proposal for approval of Competent Authority.

4. In view of the above, the proposal of RWS&S, Division, Deogarh is herewith submitted and is recommended for approval of the Competent Authority for the subject work.

Encl.:- As Above

Yours faithfully,


(Mahesh Gami)
Project Director

Cc: - Executive Engineer RWS&S Division, Deogarh for favour of information.