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 हाईटस, प्लाट् नं जे/7, जयदेव विहार
भुवनेश्वर - 751013, ओडिशा
301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar
Bhubaneswar- 751013, Odisha

दूरभाष/Tel. : +91-674-2361570/670
फैक्स/Fax : +91-674-2361770
ई-मेल /e-mail : roodisha@nhai.org
ronhaiodisha@gmail.com
वेबसाईट/Website : http://www.nhai.org

भारतमाला प्रगति के पथ पर अग्रसर
BHARATMALA ROAD TO PROSPERITY

NHAI/13011/54//RO/OD/ 1419 /2019 09.07.2019

To

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

Sub: Rehabilitation and up-gradation to four laning of Angul- Sambalpur section of NH-42 (Km.112.000 to Km.265.000) and Teleibani- Sambalpur section of NH-53 (Km.493.300 to Km.521.300 and Km.545.176 to Km.566.000) in the State of Odisha under EPC Mode- **Permission to lay waste water pipelines along NH-55 (Old NH-42 Sambalpur link road) from chainage Km.2.600 to Km.2.800 (crossing at Km.2.600) –Reg**

Sir,

Please find enclosed herewith a proposal of of Project Engineer, Orissa Water Supply & Sewerage Board (OWSSB), Sambalpur for laying waste water pipe lines along NH-55 (Old NH-42 Sambalpur link road) from chainage Km.2.600 to Km.2.800 (crossing at Km.2.600) the state of Odisha.

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,

09/7/19

(D.K. Patra)
Manager (Tech)

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 हाईटस, प्लाट् नं जे/7, जयदेव विहार
भुवनेश्वर - 751013, ओडिशा
301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar
Bhubaneswar - 751013, Odisha

दूरभाष/Tel. : +91-674-2361570/670
फैक्स/Fax : +91-674-2361770
ई-मेल /e-mail : roodisha@nhai.org
ronhaiodisha@gmail.com
वेबसाईट/Website : http://www.nhai.org

NHAI/13011/54//RO/OD/ 1418 /2019 09.07.2019

INVITATION OF PUBLIC COMMENTS

Sub Rehabilitation and up-gradation to four laning of Angul- Sambalpur section of NH-42 (Km.112.000 to Km.265.000) and Teleibani- Sambalpur section of NH-53 (Km.493.300 to Km.521.300 and Km.545.176 to Km.566.000) in the State of Odisha under EPC Mode- **Permission to lay waste water pipelines along NH-55 (Old NH-42 Sambalpur link road) from chainage Km.2.600 to Km.2.800 (crossing at Km.2.600) –Reg**

Project Engineer, Orissa Water Supply & Sewerage Board (OWSSB), Sambalpur has submitted a proposal for seeking NOC for laying of waste water pipe lines along NH-55 (Old NH-42 Sambalpur link road) from chainage Km.2.600 to Km.2.800 (crossing at Km.2.600) the state of Odisha.

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".**

09/7/19

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

Checklist for getting approval for laying of waste water supply pipe line on NH land.

Sl. S	Item	Information/Status	Remarks
1	General Information	Construction of Sewerage System of Sambalpur Town	
1.1	Name and address of the applicant/agency	Er. Biranchi Narayan Das (Project Engineer) OWSSB, Project Management Unit - I, Collectorate Campus. Dist.- Sambalpur, Odisha-768001	
1.2	National Highway Number	NH-55 (Old NH-42)	
1.3	State	Odisha	
1.4	Location	Sambalpur	
1.5	(Chainage in Km.)	At Km. 2/600 to 2/800 (Crossing at Km-2/600)	Details attached
1.6	Length in Meters.	200m Along the road & Crossing length 60m	
1.7	Width of available RoW		
	(a) Left side from centre line towards increasing chainage/km. direction	20 m to 10 m in average (RoW list enclosed)	
	(b) Right side from centre line towards increasing chainage/km. direction	20 m to 10 m in average (RoW list enclosed)	
1.8	Proposal to lay underground waste water pipeline		
	(a) Left side from center line towards increasing chainage/km direction. (b) Right side from center line towards increasing chainage/km direction.	a)Nil b) 18 m to 8 m.	Details attached
1.9	Proposal to acquire land		
	(a) Left side from centre line.	NA	
	(b) Right side from centre line.	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the waste water pipe line.	NA	
1.11	Details of already laid services, if any, along the proposed route	NHAI shall intimate	
1.12	Number of lanes (2/4/6/8 lanes)existing	2	
1.13	Proposed number of lanes(2 lane with paved shoulders/4/6/8 lanes)	4	
1.14	Service road existing or not	Not Exist	
	If yes then which side		
	(a) Left side from center line	NA	

Project Engineer
Project Management Unit-I
OWSSB, Sambalpur

परियोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha

	(b) Right side from center line	NA	
1.15	Proposed service road	No proposal	
	(a) Left side from centerline	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay waste Water pipe line is after the service road or between the service road and main carriageway	In the utility corridor	
1.17	The permission for laying of waste water supply pipe line shall be considered for approval/rejection based on the Ministry Circulars mentioned as above	Yes, waste water pipeline to be considered	
(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 waste water pipe lines on bridges shall also be discouraged. However if the waste 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	Yes, from Km. 2/600 to 2/800 Km (Crossing Km-2/600), Latest technology of	

6/11/19

Project Engineer
Project Management Unit-I
OWSSB, Sambalpur

परियोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur. Odisha

	built for that purpose at the expenses of the agency owning the line.	Microtunneling / Pipe Jacking method shall be adopted for laying across the National Highway, wherein a minimum depth of 1.4 from the road level shall be maintained.	
(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 waste water pipe line) 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 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).	Yes	
(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	Yes	

6/11/19
Project Engineer
Project Management Unit-I
OWSSB, Sambalpur

परियोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha

	the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.		
(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	
(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 the pit and location of waste water pipeline for HDD method	Incorporated in the drawing	
2.3	Strip plan / Route plan showing waste water pipe line, chainage, width of RoW, distance of proposed pipe line form the edge of RoW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of proposed waste water pipe line.	Microtunneling / Pipe Jacking method attached	
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.	Enclosed	
(a)	The trench width should be at least 30 cm, but not more that 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 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 valve. Unsuitable soil and rock edged should be excavated and replaced by selected material.	Agreed	
(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	
(d)	The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to	Agreed	

6/11/19

Project Engineer
Project Management Unit-I
OWSSB, Sambalpur

परियोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha

	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.		
(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	
(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 expenses of agency owning the utility line.	Agreed	
2.4.2	Horizontal Directional Drilling(HDD) Method	Methodology attached	
2.4.3	Laying of water supply pipe line through CD works and method of laying	Enclosed	
(a)	On approaches, the waste 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 contained in this Ministry's guidelines issued with letter No. NH-HI/P/66/76 dated 19.11.1976.	Agreed	
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.	To be submitted as and when intimated by NHAI	
4.1	Performance BG as per above is to be obtained.	To be submitted as and when intimated by NHAI	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Yes	

6/11/19

Project Engineer
Project Management Unit-I
OWSSB, Sambalpur

परियोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha

5	Affidavit/Undertaking from the applicant for	Yes	
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.	Enclosed	
5.3	Confirming all standard condition of NHAI's guidelines.	Enclosed	
5.4	Shifting of waste Water 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 (24).	Enclosed	
5.7	Traffic movement during laying of wastewater 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 pipeline 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 Highway by the laying, maintenance or shifting of the waste water pipe line will be borne by the agency owning the line.	Enclosed	
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 waste water pipe line	Enclosed	

6/4/19

Project Engineer
Project Management Unit-I
OWSSB, Sambalpur

परियोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उड़िशा/PIU, Sambalpur, Odisha

	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-lining or any other development".		
6	Who will sign the agreement on behalf of waste water pipe line agency	Er. Biranchi Narayan Das Project, Engineer, PMU- I , OWSSB,Sambalpur	
7	Certificate from the Project Director	Shall be enclosed	
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	
7.2	Certificate from PD in the following format (i) " It is certified that any other	Yes	

6/12/19

Project Engineer
Project Management Unit-I
OWSSB, Sambalpur

परीयोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha

	location of the waste Water 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." (ii) For 6- lining (a) Where feasible is available," I do certify that there will be no hindrance to proposed six-lining 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 accommodating proposed six-lining."		
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 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."	Yes, inserted in the agreement	
9	Who will supervise the work of laying of waste water pipe line	OWSSB/NHAI	

6/4/19

Project Engineer
Project Management Unit-I
OWSSB, Sambalpur

परीयोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha

10	Who will ensure that the defects in road portion after laying of waste water pipe line are corrected and if not corrected then what action will be taken.	OWSSB/NHAI, as per condition in the agreement	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	OWSSB	
12	A certificate from Project Director that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Shall be enclosed	
13	If any previous approval is accorded for laying of underground waste water supply pipe line that photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	Shall be enclosed	

6/11/19

For & on behalf of
Orissa water supply & Sewerage Board
Er. Biranchi Narayan Das
Project Engineer
OWSSB, Sambalpur

परीयोजना निर्देशक/Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण विभाग
National Highways Authority of India
प.का.ई, सम्बलपुर, उडिशा/PIU, Sambalpur, Odisha