

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

(Ministry of Road Transport & Highways, Govt of India) क्षेत्रीय कार्यालय, ओडिशा /Regional Office, Odisha 301 - ए, तीसरी मंजिल, पाल हाईटस, प्लाट् नं जे/7, जयदेव विहार, भुवनेश्वर 751013.ओड़िशा 301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha ਕਰੂਵਬਾਕ/Ph.: 0674 - 2361470/ 570/670 (ਗਾ/O), ਫੋਰਕਾ /Fax : +91-674-2361770 ई-मेल/e-mail : roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट/Web : www.nhai.gov.ir



NHAI/13011/54/RO/OD/

1165 12023

29.03.2023

INVITATION OF PUBLIC COMMENTS

Rehabilitation and Upgradation of Four laning of Binjhabahal - Telebani Section, Km.414.000 to Km.491.710 Sub: (Design Chainage Km.414.982 to Km.493.300) of NH-6 (New NH-49) in the State of Odisha under NHDP-IV on Hybrid Annuity Mode - NOC proposal for ROW access permission for laying of 1 number of drinking water supply pipelines of DI / HDPE pipes of maximum dia 250mm through casing pipes (Max dia 500 mm) under Mega piped water supply scheme consisting of 918 nos. of villages under Pallahada, Telkoi, Patna, Harichandanpur and Ghatagaon Blocks of Angul and Keonjhar District Project for crossing at 7 locations @Km.416+450 (Kantala), Km.419+100 (Muktapur), Km.419+850 (Pallahada), Km.422+400 (Pallahada), Km.424+600 (Kainsiripali), Km.426+650 (Balipasi) and Km.427+950 (Phapanda) - Reg

Executive Engineer RWSS Division, Angul has submitted a proposal for laying of 1 number of drinking water supply pipelines of DI / HDPE pipes of maximum dia 250mm through casing pipes (Max dia 500 mm) under Mega piped water supply scheme consisting of 918 nos. of villagos under Pallahada, Telkoi, Patna, Harichandanpur and Ghatagann Blocks of Angul and Keonihar District Project for crossing at 7 locations @Km.416+450 (Kantala), Km.419+100 (Muktapur), Km.419+850 (Pallahada), Km.422+400 (Pallahada), Km.424+600 (Kainsiripali), Km.426+650 (Balipasi) and Km.427+950 (Phapanda). The details are as under:

SI. No.	Location	Chainage	Dia of DI / HDPE Conveyer Pipe (in mm)	Dia of MS Casing pipe (in mm)
1.	Kantala	Km.416+450	90	250
2.	Muktapur	Km.419+100	250	500
3.	Pallahara	Km.419+850	90	150
4.	Pallahara	Km.422+400	90	150
5.	Kaninsiripali	Km.424+600	200	450
6.	Balipasi	Km.426+650	90	150
7.	Phapanda	Km.427+950	200	450

- As per guidelines issued by MoRTH vide F. No. RW/NI I-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).
- 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".

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



भारतीय राष्टीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय,भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Govt of India) क्षेत्रीय कार्यालय, ओड़िशा /Regional Office, Odisha

301 - ए. तीसरी मंजिल, पाल हाईटस, प्लाट् नं जे/7, जयदेव विहार, भुवनेश्वर - 751013, ओड़िशा 301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha अदुरभाष /Ph.: 0674 - 2361470/ 570/670 (का/O), केन्स /Fax : +91-674-2361770

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



NHAI/13011/54/RO/ODI //66 /2023

29.03.2023

To

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

Sub:

Rehabilitation and Upgradation of Four laning of Binjhabahal - Telebani Section, Km.414.000 to Km.491.710 (Design Chainage Km.414.982 to Km.493.300) of NH-6 (New NH-49) in the State of Odisha under NHDP-IV on Hybrid Annuity Mode - NOC proposal for ROW access permission for laying of 1 number of drinking water supply pipelines of DI / HDPE pipes of maximum dia 250mm through casing pipes (Max dia 500 mm) under Mega piped water supply scheme consisting of 918 nos, of villages under Pallahada. Telkoi, Patna, Harichandanpur and Ghatagaon Blocks of Angul and Keonjhar District Project for crossing at 7 locations @Km.416+450 (Kantala), Km.419+100 (Muktapur), Km.419+850 (Pallahada), Km.422+400 (Pallahada), Km.424+600 (Kainsiripali), Km.426+650 (Balipasi) and Km.427+950 (Phapanda)- reg

Ref:

PD, PIU- Keonjhar letter No. 339 dated 27.02.2023

Sir,

Please find enclosed herewith a proposal of Executive Engineer RWSS Division, Angul regarding permission for laying of 1 number of drinking water supply pipelines of DI / HDPE pipes of maximum dia 250mm through casing pipes (Max dia 500 mm) under Mega piped water supply scheme consisting of 918 nos. of villages under Pallahada, Telkoi, Patna, Harichandanpur and Ghatagaon Blocks of Angul and Keonjhar District Project for crossing at 7 locations @Km.416+450 (Kantala), Km.419+100 (Muktapur), Km.419+850 (Pallahada), Km.422+400 (Pallahada), Km.424+600 (Kainsiripali), Km.426+650 (Balipasi) and Km.427+950 (Phapanda). The details are as under:

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5.	Kaninsiripali	Km.424+600	200	450
6.	Balipasi	Km.426+650	90	150
7.	Phapanda	Km.427+950	200	450

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,

(D.K. Patra) Manager (Tech)

Check List

Guidelines for Executive Engineer for processing the proposal for laying of Water Supply Pipe Line in the land along 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 18/19.11.19776
- 3) Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982
- 4) Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.7.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI 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-34066/7/2003 S&R (B) dated 17.9.2003

Check list for getting approval for laying of Water Supply Pipe Lines on NHAI land

SI No.	Item	Information / Status	Remarks
1	General information	Mega PWS Scheme to 121 GPs of Pallahada Block (27 GPs) under Angul District, Telkoi Block (22 GPs), Patna Block (20 GPs), Harichandanpur Block (25 GPs) & Ghatgaon Block (27 GPs) in Keonjhar District.	* -
1.1	Name and Address of the Applicant	Executive Engineer, RWS&S Division, Angul at Talcher At- Baghuabole, P.O:- Hatatota, District- Angul, Pin- 759100, PH: 06760-240762	
1.2	National Highway Number	NH - 6 (New NH - 49)	
1.3	State	Odisha	
1.4	Location	Binjabahal to Teleibani Section	
1.5	(Chainage in Km)	Across the Road (a.) 416+450 -1no (LHS to RHS) (b.) 419+100 -1no (LHS to RHS) (c.) 419+850 -1no (LHS to RHS) (d.) 422+400 -1no (LHS to RHS) (e.) 424+600 -1no (LHS to RHS) (f.) 426+650 -1no (LHS to RHS) (g.) 427+950 -1no (LHS to RHS)	
1.6	Length in Meters	Across the Road (a.) 416+450 -1no (LHS to RHS) - 45 Mts (b.) 419+100 -1no (LHS to RHS) - 45 Mts (c.) 419+850 -1no (LHS to RHS) - 45 Mts (d.) 422+400 -1no (LHS to RHS) - 45 Mts (e.) 424+600 -1no (LHS to RHS) - 45 Mts (f.) 426+650 -1no (LHS to RHS) - 45 Mts (g.) 427+950 -1no (LHS to RHS) - 45 Mts	
	Width of available ROW	45 m (in general)	
	(a) left side from center line towards increasing chainage /km direction	22.5 m	
	(b) Right side center from line towards increasing chainage / Km direction	22.5 m	
	Proposal to lay pipe line	Yes, 7 nos. of road crossing with DI pipe (3 locations @ CH. Km 419+100, CH. Km	
.8	(a) left side from center line towards increasing chainage /km direction	424+600, CH. Km 427+950) & HDPE Pipes (4 Locations @ CH. Km 416+450, CH. Km	
	(b) Right side from center from line towards increasing chainage / Km direction	419+850, CH. Km 422+400 & CH. Km 426+650)	
	Proposal to accuire land	Not Applicable	
	(a) Left side from center line		
-	(b) Right side from center line		

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1.10	Whether proposal is in the same side where land is not to be acquired. If not then where to lay the cable	Not Applicable	
1.11	Details of already laid services, if any, along the proposed route	Existing laid services are not available in the 7 nos. of crossing locations	Refer Annex I
1.12	Number of lanes (2/4/6/8 lane) existing	Existing 4 Lanes at all crossing locations	
	Proposed number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	4-Lanes	
	Service road existing or not	Existing Service road is available in the 1 nos. of crossing locations @ CH. Km 422+400	Refer Annex I
1.14	If yes then which side (a) Left side from center line	Not Applicable	
	(b) Right side from center line		
	Proposed Service road	Not Applicable	
1.15	(a) Left side from center line	Not Applicable	
1.10	(b) Right side from center line		
1.16	National Control of the Control of t		
1.16	Whether proposal to lay Water Supply Pipe line is after service road or between the service road and main carriageway	Not Applicable	
	The permission for laying of Water Supply Pipe line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.	Yes, agreed	
	not be permitted as Fumes/gases pipes can accelarate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of Water.	Fxisting Bridges/Structures are not available in the 7 nos. of crossing locations. However, agreed for not carrying drinking water pipelines on Bridges	Refer Annex I
1.17	(b) Carrying of pipe lines on bridges shall also be discourged. 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 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.	Yes. Agreed for not carrying drinking water pipelines on Bridges	
	(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.	Not Applicable	
	(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.	Not Applicable	
	If crossings of the the road involved	Yes, 7 Nos. of crossings at various locations as per attached drawings & Documents, (CH. Km 416+450, CH. Km 419+100, CH. Km 419+850, CH. Km 422+400, CH. Km 424+600, CH. Km 426+650 & CH. Km 427+950)	
	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.	Encasing Pipe dia. is 1.5 times dia. of the carrier pipe at various locations as per attached drawings & documents (CH. Km 416+450 - 150 mm dia., CH. Km 419+850 - 150 mm dia., CH. Km 422+400 - 150 mm dia., CH. Km 424+600 - 450 mm dia., CH. Km 426+650 - 150 mm dia., CH. Km 427+950 - 450 mm dia.	Refer Annex II
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes, agreed to comply	

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E	(b) Is it on a line normal to NH		
	(C) Crossing shall not be too near the existing structure on the	Yes	
	The second of th	More than 15 metres from all the crossing	
1.18	What is the distance from the existing structures.	locations	
	(d) The casing pipe (or conduit pipe in the case of electric		
	cable) carrying the utility line shall be of steel, cast iron, or	Agreed, encasing pipe is made of Mild Steel of	
	reinforced cement concrete and have adequate strengh and be	various sizes as per attached drawings and	
	large enough to permit ready withdrawal of the carrier	documents	
	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.	Yes, agreed to comply	
	(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, agreed to comply	
		1 co, agreed to comply	
	(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	Yes, agreed to comply	
	0.3 m below the drain inverts.		
	(h) Crossing shall be by boring method (HDD) especially		
	where the existing road pavement is of cement concrete or	Yes agreed, Crossing will be done by HDD or	
	dense bituminous concrete type.	Jack pushing method	
	(i) The casing/conduit pipe shall be installed with an even		
	bearing throughout its length and in such a manner as to	Yes, agreed to comply	
	prevent the formation of a waterway along it.	Tool agreed to comply	
2	Document / Drawings enclosed with the proposal	Yes, Attached	
2.1	Cross section showing the size of trench for open trenching		
	method (is it normal size of 1.2m deep x 0.3 m wide)	Not Applicable	
	(i) should not be greater than 60 Cm 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 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		
	(iv) These should be so laid that their top is at least 0.6 meter		
	below the ground level so as not to obstructure drainage of the		
	road land.		
2.2	Cross section showing the size of pit and location of pipes for	227 2 2 3 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	
	HDD method	Yes submitted and incorporated in the drawing	
2.3	Strip plan /route plan showing Water Supply pipeline		
	chainage, width of ROW, distance of proposed, pipes from the	Yes submitted showing all desired details in	
	edge of ROW, important mile stone, intersection, cross	the drawing	
	drainage works etc.	die drawing	
2.4	Methodology for laying of showing Water Supply pipe line	Not Applicable	
	Open trenching method, (May be alllowed in utility corridor	Not Applicable	
T1.011	only where pavement is neither cement concrete nor dense	1	
	bituminous concrete type. If yes, Methodology of refilling of	×	
	trench	1	
	(a) The trench width should be at least 30 cm, but not more		
	than 60 cm wider than the outer diameter of the pipe.		
	and oo on whoer than the outer thanneler of the pipe.	75	
	(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	9	
	lumps, clods and cobbles and graded to yield a firm surface	- 1	
	without sudden change in the bearing value.		
	Unsuitable soil and rock edged should be excavated and		
	replaced by selected material.		
	(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.		
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	(d) The sidefill shall consist of granular material laid in 15 cr 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	n ·	
	saturation or ponding will not be permitted.		
	(e) The road crust shall be built to the same strengh as the exsting crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.		
	(f) The excavation shall be protected by flagman, sign and barricades, and red lights during night hours.		
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.		
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes, HDD method or lack pushing method will be followed as per submitted methodology at specific locations as per enclosed	Refer Annex II
2.4.3	method of laying	Existing CD Structures are not available in the 7 nos. of crossing locations.	Refer Annex IV
	(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 contained in this Ministry's guideline issued with letter No. NH-HI/P/66/76 dated 19.11.1976.	Not Applicable	
3	Draft license Agreement signed by two witnesses.	Yes enclosed	
4.0	Performance Bank Guarantee in favour of NHAI has to be ontained @ 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 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 licensee for clearing debris/loose earth. Performance BG as per above is to be obtained.	Yes, agreed for submission of Performance BG as per latest MoRTH/NHAI Guidelines when asked by NHAI	×
		BG will be submitted after technical clearance from RO-NHAI and when intimated by NHAI	
	Conformation of BG has been obtained as per NHAI quidelines	Yes will be obtained after submission of BG	
5	Affidavit / Undertaking from the Applicant for		
	Not to damage to other utility, if damaged then to pay losses either to NHAI or to the concerned agency	Yes agreed to comply and undertaking enclosed	
	Renewal of Bank Gurantee	Yes agreed to comply and undertaking enclosed	
5.3	Conforming all standard condition of NHAI's guideline	Yes agreed to comply and undertaking enclosed	
5.4	Shifting of Water Supply Pipe Line as and when required by NHAI at their own cost.	Yes agreed to comply and undertaking	
	Shifting due to 6 lanning/widening of NH	Yes agreed to comply and undertaking	
5.6	ndemnity against all damages and claims clasuse (xxiv)	Yes agreed to comply and undertaking	
5.7 T	raffic movement during laying of Water Supply pipe line to be managed by the applicant	Yes agreed to comply and undertaking	
5.8 I	f any claims is raised by the Concessionaire then the same as to be paid by the applicant	Yes agreed to comply and undertaking enclosed	

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5.9	Prior approval of the NHAI shall be obtained before		
5352	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.	Yes agreed to comply and undertaking enclosed	502
	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 agreed to comply and undertaking 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 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 60 days) of the intimation given.	Yes agreed to comply and undertaking enclosed	
	Certificate from the applicant in the following format (i) Laying of Water Supply pipe line will not have any deleterious effect on any of the bridge components and roadway safety for traffic. (ii) for 6-lanning "We do undertaking 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 future six-lanning or any other	Yes agreed to comply and undertaking enclosed	
6	development" Who will sign the agreement on behalf of Water Supply pipe line agency.	Executive Engineer, RWS&S Division, Angul at Talcher At- Baghuabole, P.O:- Hatatota, District- Angul, Pin- 759100, PH: 06760-240762	
7 1	Certificate from the Project Director		
11 11 12 12 12 12 12 12 12 12 12 12 12 1	Certificate for conforming of 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 dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH-11037/1/86/DOI dated 25.10.1999 and Ministry Circular No. RW/NH-14066/7/2003 S&R (B) dated 17.9.2003	Enclosed	
(i) p a w th w (i) (a be fee	Certificate from PD in the following format ii) "It is certified that any other location of the Water Supply inpe line would be extremely difficult and unreasonable costly ind the installation of Water Supply pipe line within ROW vill not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as videning of the carriageway, easing of curve etc". ii) for 6-lanning iii) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the transibility report considering proposed structure at the said feation". b) In case feasibility report is not available "I do certify that afficient ROW is available at site for accommodating troposed six-laning".	Enclosed	
ba Hi ca co gra	NH Section proposed to be taken up by NHAI on BOT usis- a clause to be inserted in the agreement. "The permitted ighway on which Licensee has been granted the right to lay ble/duct has also been granted as a right of way to the incessionaire under the concession agreement for upadation of [section from Kmto Kmof NHon Build. Operate and Transfer Basis] d therefore, the licensee shall honour the same".	Not Applicable	

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9	Who will supervise the work of laying of Water Supply Pipe line	Larsen & Toubro Construction, Keonjhar-III WSP- Raghunathpur, PO-Harichandanpur Keonjhar - 758028	
10	Water Supply Pipe line are corrected and if not corrected then what action will be taken.	Executive Engineer, RWS&S Division, Angul at Talcher At- Baghuabole, P.O:- Hatatota, District- Angul, Pin- 759100, PH: 06760-240762 and Larsen & Toubro Construction, Keonjhar-III WSP- Raghunathpur, PO-Harichandanpur Keonjhar - 758028	
11	Who will pay the claims for damages done / disruption in working of Concessionaire if asked by the Concessionaire	Executive Engineer, RWS&S Division, Angul at Talcher At- Baghuabole, P.O:- Hatatota, District-	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the precribed proforma (copy enclosed)	Angul, Pin- 759100, PH: 06760-240762 Yes, attached	
13	If any previous approval is accorded for laying of underground Water Supply Pipe line then photocopy of	Previous approvals for laying other utilities/ existing utility services are not available in the 7 nos. of crossing locations.	

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