

Government of India

Ministry of Road Transport & Highways

(Chief Engineer - Regional Office, Lucknow)

N.H. Bhawan, Biotech Chowk, Lucknow Ring Road, Vikas Nagar, Lucknow - 226 022

Ph.: (0522) - 2967112, 2738226 (Tele-Fax)

Dated: 18.11.2025

Invitation of public comments

Sub.: Proposal for permission for laying Water Pipeline encasing MS pipes for HDPE Water supply pipes by HDD (trenchless) method across NH-227A (Ram Janki Marg) Under Rural water supply projects phase 5, District Santkabar Nagar in (km 56-83) across at chainages. Ch. 55.857, 56.112, 56.550, 57.600, 57.700, 60.000, 61.910, 62.330, 62.700, 62.920, 63.185, 63.650, 65.680, 66.240, 66.280, 67.382, 67.995, 76.453, 81.190, 81.350, 82.130 & having casing MS pipe Diameter varaing from 150MM to 250MM and HDPE water pipeline varying from 63MM to 125MM on NH-227A PKG-II in District Santkabar Nagar in the State of Uttar Pradesh.

Uttar Pradesh Jal Nigam (Rural), Santkabar Nagar has submitted the Proposal for permission for laying Water Pipeline encasing MS pipes for HDPE Water supply pipes by HDD (trenchless) method across NH-227A (Ram Janki Marg) Under Rural water supply projects phase 5, District Santkabar Nagar in (km 56-83) across at subject cited chainages having casing MS pipe Diameter varying from 150MM to 250MM and HDPE water pipeline varying from 63MM to 125MM on NH-227A PKG-II in District Santkabar Nagar in the State of Uttar Pradesh to Executive Engineer, NH Division, PWD, Basti for consideration.

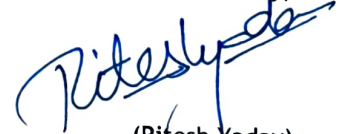
2. The above proposal has been examined in this office in light of Ministry guidelines issued vide OM no.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016 & NH-36094/01/2022-S&R (P&B) dated 24.04.2023. The application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

3. In view of the above, comments of the public on the above application (checklist enclosed) is invited to the below mentioned address:

The Chief Engineer - Regional Officer,
Ministry of Road Transport & Highways,
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road,
Vikas Nagar, Lucknow - 226 022.

Encl.: As above.

Yours faithfully,



(Ritesh Yadav)

Assistant Executive Engineer
for Chief Engineer - Regional Officer

Copy to:

- (i) NIC, New Delhi - for uploading on the Ministry's website.
- (ii) The Chief Engineer (NH), Public Works Department, Nirman Bhavan, 96, M. G. Marg, Lucknow - 226 001.

(Ritesh Yadav)

Assistant Executive Engineer
for Chief Engineer - Regional Officer

CHECK- LIST

Guidelines for Project Directors for Processing the Proposal for laying of Water Pipeline (MS CASING/HDPE PIPES) in the Land Across National Highway No. 227A, Gorakhpur-Ayodhya Road (RamJanki Marg).

Relevant Circulars

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-III/P66/76 dated 18/19.11.1976
- 3) Ministry Circular No.RW/NH-IIIP/66/76 dated 11.05.1982
- 4) Ministry Circular No.RW/NH-11037/86/DOI (ii)dated 28.07.1993
- 5) Ministry Circular No.RW/NH-11037/86/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-330231/19/99-DOM-III dated 17.10.2003
- 8) Ministry Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

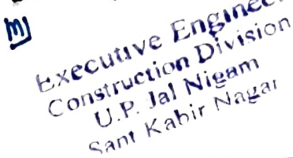
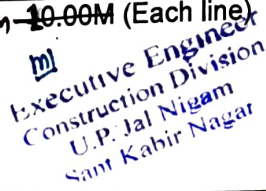
Check list for getting approval for laying of water pipeline (CASING/HDPE PIPES) in the land Across National Highway No-227A

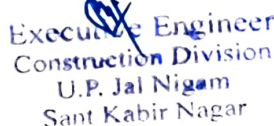
S.No	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Executive Engineer, U.P. Jal Nigam, (Gramin), District- Sant Kabir Nagar,	
1.2	National Highway Number	NH -227A	
1.3	State	Uttar Pradesh	
1.4	Location	Tanda	
1.5	(Chainage in Km)	Across NH: KM 55.857, 56.112,56.550,57.600,57.700,60.000,61.910 , 62.330,62.700,62.920, 63.185,63.650, 65.680, 66.240,66.280,67.382, 67.995,76.453,81.190, 81.350,82.130 & 82.435	
1.6	Length in Meters	18.00M As per Drawing 20.00M (approx.) Each line. Total 20.00-18.00M	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km	9.00 M 10.00 M	

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	direction	9.0M	
	(b) Right side from center line towards increasing chainage/km direction		
1.8	Proposal to lay under ground Water pipeline (MS CASING HDPE PIPE)	Across the National Highway	
	(a) Left from center line towards increasing chainage/km direction.	9.0m 10.00M (Each line) 	
	(b) Right side from center line towards increasing chainage/km direction	9.0m 10.00M (Each line) 	
1.9	Proposal to acquire land	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	No acquisition of land required	
	If not then where to lay the Pipeline	Across the National Highway	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	No of lanes (2/4/6/8 lanes) existing	2 lanes	
1.13	Proposed Number of lanes (2 lanes with paved shoulder 4/6/8 lanes)	4 lanes	अधिसूचना अभियन्ता रा०मा०ख०लो०नि०वि० बस्ती
1.14	Service road existing or not	Not Existing	



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	If yes then which side		
	(a) Left side from centre line		
	(b) Right side from centre line		
1.15	Proposed service road	N.A.	
	(a) Left side from centre line		
	(b) Right from center line		
1.16	Whether proposal to laying water pipeline is after the service road or between the service road and main carriageway	After the main carriageway near end of ROW	
1.17	The Permission for laying of water pipeline shall be considered for approval/rejection based on the Ministry Circulars mentioned as above.		
	(a) Carrying of water pipeline on Highway bridges shall not be permitted as water pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious	NA	
	(b) Carrying of water pipelines on bridges shall also discouraged however if the water supply authorities seem to have no other viable alternative and	NA	

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	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 super structure supported on extended portion of piers and abutments in such a manner that in the final arrangement enough free space around the super structure of the bridge remains available for inspection and repairs etc.		
	(c) Cost of required extension of the substructure as well as that of the supporting super structure shall be borne by the agency-in-charge of the utilities.	NA	
	(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 to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers Only	NA	
1.18	If Crossing of the road involved	Yes	सहायक अभियन्ता रा०मा० खण्ड लेनि वि० बस्ती


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	If yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expensed of the agency owning the line	Yes	
	(a) Existing drainage structures shall not be allowed to carry the lines	Yes	
	(b) Is it on a line normal to NH	Yes	
	(C) Crossings 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	Yes More than 15 mts.	
	d) The casing pipe (or conduit pipe in the case of electric/OFC cable) carrying the utility line shall be of steel, case iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	Yes	
	e) Ends of the casing/conduit pipe shall be sealed form the outside, so that it does not act as a drainage path.	Yes	अधिशारसी अभियन्ता रा०मा०ख०लो०नि०वि० बस्ती
	f) The casing/conduit pipe should, as minimum extend from drain to	Yes	सहायक अभियन्ता रा०मा० खण्ड,लो०नि०वि० बस्ती

	drain in cuts and toe of slope toe of slope in the fills		
	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 m below the drain inverts.	Yes	
	h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type	Yes	
	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/Drawings enclosed with the proposal		
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 2.05 m deepX 0.85 wide)	Yes	
	i) Should be greater than 60 Cm wider than outer diameter of the pipe	Yes	
	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.	Yes	

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	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 pit and location of Pipe for HDD method	NA	
2.3	Strip plan/Route Plan showing water pipe line, Chainage, width of ROW, distance of proposed, Pipelines from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Incorporated in the drawing	
2.4	Methodology for laying of showing Water pipe line	HDD	
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.	Yes (Where HDD not feasible)	
	a) The trench width should be at least 30 cm, but not more than 60 cm wider	NA	

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	than the outer diameter of the pipe.		
	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 yield a firm surface without sudden change in the bearing value	NA	
	Unsuitable soil and rock edged should be excavated and replaced by selected material.	Yes	
	c) The backfill shall be completed in two stages (i) side fill to the level of the top to the pipes and (ii) overfill to the bottom of the road crust.	Yes	
	d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted	Yes	
	e) The road crust shall be built to the same strength as the existing crust on either side of the	Yes	


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	trench, care shall be taken to avoid the formation of a dip at the trench.		
	f) the excavation shall be protected by flagman, signs and barricades, and red lights during night hours	Yes	
	g) If required, a diversion shall be constructed at the expensed of agency owing the utility line	Yes	
2.4.2	Horizontal Directional drilling (HDD) Method	Yes	
2.4.3	Laying of Water Supply Pipe Line through CD works and method of laying	Yes	
	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 stipulation contained in this Ministry's guidelines issued with letter No. NH-HI/P66/76 dated 19.11.1976	Yes	
3	Draft License	Yes	

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	Agreement signed by two witness		
4	Performance bank Guarantee in favour of NHAI has to be obtained @ Rs 200/- per running meter (parallel to NH) and Rs 100000/- 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 Dabris/loose earth produced due to execution of trenching at least 50 m 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.	Executive Engineer, U.P. Jal Nigam, (Gramin), District - Sant Kabir Nagar, will pay Bank Guarantee as intimated by NHAI.	
4.1	Performance BG as per above is to be obtained	Yes	
4.2	Confirmation of BG has been obtained as per NHAI Guidelines	Yes	
5	Affidavit/undertaking from the application		
5.1	Not to Damage to other utility, If damaged then pay the losses either to NHAI or to the concerned agency	Yes	अधिशारी अभियन्ता रा०मा०ख०लो०नि०वि० वरुनी


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5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHAI'S guideline	Yes	
5.4	Shifting of Water supply pipe line as and when required by NHAI at their own cost	Yes	
5.5	Shifting due to 4 lanning/widening of NH	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of Water supply pipe line to be managed by the applicant	Yes	
5.8	If any claim 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 if installation, shifting or repairs, or alteration to the showing Water supply pipe line located in the National Highway right-of-ways.	Yes	
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 owing the line.	Yes	

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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	
5.12	Certificate from the application 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.	Yes	
	(ii) for 6-lanning "We do undertake that I will relocate service road/approach road/utilities at my own cost not with standing the permission granted with such time as will be stipulated by NHAI" for future six-lanning or any other development."	Yes	
6	Who will sign the agreement on behalf of Water supply pipe line agency?	Executive Engineer, U.P. Jal Nigam (Gramin), District- Sant Kabir Nagar,	अधिशारी अभियन्ता रा०मा०ख०लो०नि०वि० वस्ती
7	Certificate from the Project Director		सहयुक्त अभियन्ता रा०मा०ख०लो०नि०वि० वस्ती

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7.1	Certificate for confirming of all standard condition issued vide ministry circular no. Ministry circular no NH-41 (58)/68 dated 31.01.1969, Ministry circular no. RW/NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular NO. RW/NH-1103/1/86-DOI (ii) Dated 28.07.1993. Ministry circular No. RW/NH-34066/2/9/S&R dated 25.10.1999 , Ministry Circular No. RW/nh-330231/19/99 dated 17.10.2003 and Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated-22.11.2016	Yes	
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