

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India (Ministry of Road Transport and Highways, Govt. of India) क्षेत्रीय कार्यालय : एफ-120, जनपथ, श्याम नगर, जयपुर-302019



Regional Office : F-120, Janpath, Shyam Nagar, Jaipur-302019

Tel. (0.)/ फोन : (ऑ.) 0141-2292056, 2292049

E-mail / ई-मेल : rojaipur@nhai.org_Web. / वेब : www.nhai.gov.in

NHAI/18013/1/2024-ROJ/ Undeground Water Pipeline-Crossing/PHED-Begun/339/NH-27,Km. 948.250 to 958.380/271 Dt. 14.05.2024

INVITATION OF PUBLIC COMMENTS

- Chittorgarh Bypass to Kota Section of NH-27 from Km. 891+929 to Km. 1052+429 in the State of Sub: Rajasthan on Toll Operate, Maintain and Transfer basis: Proposal for Grant of permission for Laying an Underground Water Pipeline through the trench method from Km. 938.240 to Km. 958,300 (RHS) & 1 No. Crossing at Km. 938,240 in length 20 Km. ROW 45 mtr. on Chittorgarh Kota Section of NH-27 under "Work of water supply project of 648 villages (Block Begun-142, Bhainsorgarh-82, Gangrar-98, Chittorgarh-215, Bhadesar-45 and Nimbahera-66) of District Chittorgarh from Chambal River under Jal Jeevan Mission (Package-I)" by EE, PHED, Project Div. Begun (Raj.) in the State of Rajathan : In-principal Approval - reg.
- 1. EE, PHED, Project Div. Begun (Raj.) letter No. EE/Project/PHED/Begun/2023-24/265-267 Ref: dated 26.12.2023 & EE/Project/PHED/Begun/2023-24/622-626 dated 19.03.2024

2. PIU-Chittorgarh letter No. NHAI/CHIT/NH-27/PHED-Begun/2024/57 dated 23.04.2024

Sir,

2.

It is to inform all concern the EE, PHED, Project Div. Begun (Raj.). vide cited under ref. (i) above has submitted the proposal for the subjected work and PD, NHAI, PIU, Chittorgarh has submitted the above proposal vide letter under reference (ii) for approval of the Competent Authority, Highway Administration.

- The proposal for grant of permission for Laying an Underground Water Pipeline through the 1. trench method from Km. 938.240 to Km. 958.300 (RHS) & 1 No. Crossing at Km. 938.240 in length 20 Km. ROW 45 mtr. on Chittorgarh Kota Section of NH-27 under "Work of water supply project of 648 villages (Block Begun-142, Bhainsorgarh-82, Gangrar-98, Chittorgarh-215, Bhadesar-45 and Jimbahera-66) of District Chittorgarh from Chambal River under Jal Jeevan Mission (Package-I)" by EE, PHED, Project Div. Begun (Raj.) in the State of Rajathan.
 - As per Para-4 of Ministry's Circular No. RW/NH-33044/29/2015S&R(R) dated 22.11.2016, the Highway Administration 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).

In view of the above, before approval of the competent authority, the comments/objections of affected public is hereby invited with reference to the Ministry's Circular dated 22.11.2016 due to Laying an Underground Water Pipeline through the trench method & 1 No. Crossing at Km. 938.240, length 20 Km. ROW 45 mtr. on Chittorgarh Kota Section under "Work of water supply project of 648 villages of District Chittorgarh from Chambal River under Jal Jeevan Mission (Package-I)" to the subjected project stretch. The objections/comments may be addressed to the below mentioned address upto 12.06.2024, beyond due date, no comments/objections will be accepted.

> The Regional Officer, Regional Office - Jaipur National Highways Authority of India, F-120, Janpath, Shyam Nagar, Jaipur (Raj.)-302019, Tel: 0141-2292049, 2292054 Email: rojaipur@nhai.org

This issue with the approval of Highway Administration-cum RO, NHAI, Jaipu

ithfully, TTO hoda) Manager (Tech.)

Copy to: (i)

- Web Admn., NHAI, HQ, New Delhi for uploading in NHAI's website [web-admin@nhai.org]
 - (ii) Director, NIC, New Delhi for uploading in Ministry's website. [rahul.sh@nic.in]
 - (iii) PD, PIU-Chittorgarh for information with request to ensure deposition of Requisite License Fee and BG amount as per applicable Guidelines of MoRTH.
 - (iv) EE, PHED, Project Div. Begun (Raj.) for information.

प्रधान कार्यालय : जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली-110075, दूरभाषः 011-25074100,25074200 फैक्सः 011-25093507/25093514 वेब : www.nhai.gov.in Corporate Office: G-5 & 6, Sector-10, Dwarka, New Delhi-110075, Phone: 011-25074100,25074200 Fax: 011-25093507/25093514 Web. : www.nhai.gov.in



The General Manager (Tech.)/ Regional Officer, National Highways Authority of India, Regional Office-Jaipur, F-120, Janpath, Shyam Nagar, Jaipur-302019(Rajasthan)

Date: 23.04.2024

Sub.: Regarding permission for laying of Pipeline parallel to NH-27 under "Work of water Supply Project of 648 villages (Block Begun-142, Bhainsorgarh-82, Gangrar-98, Chittorgarh-215, Bhadesar-45 and Nimbahera-66) of Dist. Chittorgarh from Chambal River under Jal Jeevan Mission (Package-I)"- reg.

Ref.: i. EE/Project/PHED/Begun/2023-24/622-626, dt. 19.03.2024

ii. F. No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016

iii. EE/Project/PHED/Begun/2023-24/265-267, dt. 26.12.2023.

iv. LNMIPPL/NHAI-CHIT/NH-27/2023-24/216, dt. 14.02.2024

v. NHAI/CHIT/NH-27/PHED-Begun/2024/980, dt. 26.02.2024.

vi. LNMIPPL/NHAI-CHIT/NH-27/2023-24/230, dt. 27.03.2024

vii. NHAI/CHIT/NH-27/PHED-Begun/2024/1112, dt. 30.03.2024

viii. EE/Project/PHED/Begun/2024-25/01-05, dt. 05.04.2024

ix. NHAI/CHIT/NH-27/PHED-Begun/2024/35, dt. 15.04.2024

x. LNMIPPL/NHAI-CHIT/NH-27/2024-25/240, dt. 22.04.2024

Sir.

The Executive Engineer PHED Project Division, Begun vide letter under reference (viii) submitted the revised proposal with respect to observation raised by Independent Engineer and this office vide letter dt. 30.03.2024 for granting permission for laying an underground water line through the trench method from Km. 938.240 to Km. 958.300 on RHS of Chittorgarh to Kota section of NH-27 of Chittorgarh Bypass to Kota in the state of Rajasthan.

Subsequently, this office vide letter under reference (ix) forwarded the proposal to Independent Engineer M/s. L.N. Malviya Infra Projects Pvt. Ltd. for its examination in light of MoRT&H's Guideline No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and subsequently, IE vide letter under reference (x) conveyed their comments with recommendation for approval as follows: -

*			
S. No.	Observation raised by IE & NHAI	Reply by EE PHED Project Div. Begun	Comments/ Suggestion of IE's & NH/
a)	As per the received proposal, the water pipelines are proposed to be laid over 20.06 km along the RHS side of NH-27 from Km. 938.240 to Km. 958.300, however, the route plan for only 2.6 km has been enclosed with the proposal.	Yes, our under-ground drinking water pipe line project laid on NH-27 at road Chainage 938.240 to Km. 958.300 km (20.6 km in total). We have shown the entire route plan in a drawing (Drawing No. 'A'). Apart from this, major junctions and accesses of this NH-27 are shown in other drawings. In addition to that we are hereby submitting the complete route plan as required by NHAI.	Noted
b)		As our proposal is 20.6 KM long and while preparing the proposal, we have prepared it to keep in mind the structure like median, road width, shoulder, drain width etc. according to the guidelines. As per applicable guidelines 2.0- meter utility corridor is left along the ROW and we have prepared our proposal to lay our pipeline in the same left utility corridor.	In general procedure, 2.0-meter utili corridor at the extreme edge of ROW a kept in provision by the NHAI at a National Highway. However, utili corridor is already preoccupied by th Existing utilities such as Electrical lin OFC Cable in most of section und consideration per laying water pipe lin project laid on NH-27 at road Chainag 938.240 to Km. 958.300 km. Therefor the proposal for laying of water pipelin should be plan accordingly coordination with existing utility layin department. In no way the proposed water pipelin will allowed to laid beyond the Utili Corridor.
c)	Details of already laid services (existing underground and over ground utilities along with chainages etc.) if any along the proposed route plan are missing. Which is an important requirement as per SI. No.06 of the Application details checklist.	Till date PHED Project Div. Begun has not laid any pipeline on this stretch and apart from this we are not aware of any other utility present in the proposed route plan. Since our proposal is new, we request NHAI Office to kindly provide the information, so that we will not face any inconvenience during laying of pipes. Also, we assure that if any damage occurs to exiting utilities same will be restored to original	In this regard the PHED Project Di should used the latest technology suc as Ground Penetrating Radar, Induction Locator or better technologies in order better planning and avoid an inconvenience during laying of pipes. Requisite information as per sl. No 06 of the Application detai checklist is still awaited.

	ď)	Details of the	During the submission of	For this section where service road
		proposed service road are cited as Nil (However, the service road is under construction from Km. 944.400 to Km. 944.600 and km. 957.350 to Km. 957.450 on the same section.	proposal, department was not having information about any service road neither any construction was work going on that chainage. However, as informed vide your office letter we will lay the pipes at a desired distance Service Road. Also, during construction further if new service road will be proposed we will lay the	proposed to be constructed under initial improvement work, the water pipeline shall be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane as per para.09 of Contract Agreement. It is also suggested that, water pipeline shall be laid in concrete
			pipeline as per directions from NHAI.	ducts near existing underpass location at least a length up 250 m on both hand side.
3	e)	As per the start point geo coordinate mentioned in the proposal, the pipeline starts from km.941.129 instead of Km. 938.240, please clarify the exact location.	co-ordinates have been corrected.	Noted.
	f)		completely underground, and the pipeline will be laid in the entire route through open trench method only except at	Noted.
	g)	The cross-section showing the size of the pit and the locations of the HDD method are found missing.	sizes and locations of the HDD method has been attached.	Noted.
	h)	As per MoRTH Circular dt. 22.11.2016, Checklist Sl. 5.4, the plan and profile drawing of the stretch showing the cross- section of the road @ 20 m distance along with ROW and proposed utility are found missing.	extension showing the cross section of the road at a distance of 20 meters along the ROW and proposed utility is not	The submitted report is consider for time being. However, detail layout plan should be submitted to NHAI prior to laying of water pipeline for review.

, k				
	1)	As per the filled details in the utility portal, the open trench width is mentioned to be 30 cm, whereas the dia. of the water pipeline is 80 cm., please clarify.	Details will be updated in the utility portal and revised the width of the open trench will be 1.4 m. (0.30m + 0.80mm Dia. of Pipe+0.30m)	Noted
\bigcirc	j)	As lot of electrical lines already exist along the section, that may be affected during the execution of subject work, therefore, as per the st. No. 4 of required to be uploaded during the submission of the proposal on the MoRTH portal, Safety clearance from the directorate of electricity should be obtained.	Same will be taken from Concerned Department if required during execution of work (Undertaking Enclosed)	Noted
	k)	Also, applicable clearance such as clearance from the state/central pollution control board/chief controller of Explosives/ Statutory Clearance as required to be uploaded during the submission of the proposal on the MoRTH portal are not provided enclosed.	Same will be taken from Concerned Department if required during execution of work. (Undertaking Enclosed)	Noted
	1)	More than 1000 nos. of avenue plantations which are planted through the forest department as a deposit work will be destroyed due to the execution of the project, therefore clearance from Appropriate Authority may also be obtained and submitted along with the restoration plan. The amount deposited for replantation and their	We will ensure that avenue plantation shall not get disturbed during execution of work in any way. However, if same will be damaged by us we are fully responsible to restore from our side.	Noted. However, the concern utility owing department may ask to submit additional Bank guaranty, equivalent to the amount spent by NHAI for avenue plantation to forest department till date.

*	maintenance for 5 years to the forest department should be reimbursed to NHAI.		
m)	Further, if shifting of the subject pipeline is required by NHAI in future, then instead of undertaking what will the financial and technical arrangement/ methodology will be taken to meet the shifting requirement in future?	Undertaking already enclosed with our proposal.	Keeping in view of past experience inspite of undertaking utility owing department may ask to submit financial security in the form Bank guaranty.

The proposal has been examined at site by PIU Chittorgarh. Subsequently, the checklist, undertaking as per MoRT&H Guideline dated 22.11.2016 is appended with the proposal.

The license fee calculated as per the guidelines dated 22.11.2016 comes out to be Rs. 17,73,231/- (Rupees Seventeen Lakhs Seventy-Three Thousand Two Hundred and Thirty-One Only) and the Performance Bank Guarantee towards successful completion of the work is calculated that comes out be Rs. 50,15,000/- (Rupees Fifty Lakhs Fifteen Thousand only). Both the amount shall be asked prior to signing of the agreement and grant of Provisional NOC.

In view of the above, the proposal for "laying of Pipeline parallel to NH-27 under "Work of water Supply Project of 648 villages (Block Begun-142, Bhainsorgarh-82, Gangrar-98, Chittorgarh-215, Bhadesar-45 and Nimbahera-66) of Dist. Chittorgarh from Chambal River under Jal Jeevan Mission (Package-I)" in the state of Rajasthan on Chittorgarh to Kota Highway on NH-27 is herewith recommended for approval the Competent Authority subjected to fulfilment followings: -

- a) For this section where service road proposed to be constructed under initial improvement work, the water pipeline shall be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane as per para.09 of Contract Agreement. Also, the water pipeline shall be laid in concrete ducts near existing underpass location at least a length up 250 m on both hand side.
- b) Detail layout plan should be submitted to NHAI prior to laying of water pipeline for review.
- c) The concern utility owing department may ask to submit additional Bank guaranty, equivalent to the amount spent by NHAI for avenue plantation to forest department till date.
- d) The concern utility owing department may ask to submit financial security in the form Bank guaranty in case of any requirement for shifting of the subject pipeline is by NHAI in future.

Submitted Please.

Pratima Gupta Project Director

Copy to: -Team Leader, IE, LNM, Chittorgarh Bypass to Kota Road for kind information.

Annex - II (To Appendix-I)

CHECK LIST

Enclosure to Ministry of Road Transport & Highways letter no.

RW/NH-33044/29/2015/S&R(R) Dated 22th November, 2016 & NH-36094/01/2022-S&R(P&B)(E-208825) Dated 23rd April, 2023.

Check list for processing the proposal for Laying / Crossing of utility line in the land along National Highway vested with NHAI/PWD/BRO

1	Name and Address of the Applicant/ Agency		EXECUTIVE ENGINEER, P.H.E.D., PROJECT DIV., BEGUN, CHITTORGARH (RAJ.)		
T					
2	National Highway Number		N.H. 27		
2	National Highway Number	:	CHITTORGARH - KOTA ROAD		
3	State	:	RAJASTHAN		
4		:	Village - RAJGARH - Village - KATUNDA		
4	Location		Dist CHITTORGARH		
5	(Chainage in km.)	:	CH 938/240.00 TO 958/300.00 [R.H.S.]		
6	Length in Meters	:	20.060 KM		
7	Width of available ROW in both side (Mtr.)	:	45m (22.50m + 22.50m)		
8	[Side of NH (Left or right side of NH towards increasing Chainage/ Km. direction)]	:	RHS of CHITTORGARH - KOTA ROAD towards KOTA in crossing of Km. 938		
9	Name of Highway/ Authority (NHAI/PWD/BRO)	;	NATIONAL HIGHWAY AUTHORITES OF INDIA		
			Project Director, NHAI, PIU-CHITTORGARH		
10	Highway Administration address		Project Director (CIVIL), National Highway Authorities of India, PIU-Chittorgarh, KM 892 (Junction of NH-76 & NH-79), Village – Rithola, Post – Sahwana, CHITTORGARH (Raj.) 312001		

General Information.

ASSISTANT HIGHWAY MAINTENANCE ENGINEER LN. MALVIYA INFRA PEDECTS PVT. LTD. CHITTORG: STAUIA OF FIOL "W.27

Executive Engineer PHED, Project Division-Begun

RESULT ENGINEER L.N. MALVIYA INFRA PROJECTS PVT. LTD. CHITTORGARH-KOTA SECTION NH-27

Enclosure to Ministry of Road Transport & Highways letter no. RW/NH-33044/29/2015/S&R(R) Dated 22th November, 2016

Check list for processing the proposal for Laying / Crossing of utility line in the land along National Highway

Sr. No.	ltem	Measurement Observations as per site condition	Morth Norms	Whether complying with MORTH Norms**
1	Details of already laid utility service, if any	No	Enclosed	Yes/No
2	Whether up gradation of the stretch in near future is proposed or not	No	Yes	Yes/No
	(a) If yes, provision of utility adversely affect the plan of up-gradation	N.A.	Not affect plan of up- gradation	Yes/No
3	Laying of the utility service along the National Hi	ghways.		
3.1	Location of proposed utility service along the stretch	Yes, Public Utility of under ground Water Line closed to extreme edge of the ROW. (at almost 20m from center line of road median)	Utility Duct/ beyond the toe line of the embankment and drains, and close to the extreme edge of the RoW	Yes/No
3.2	Depth of top of utility service from ground level	1.50m	0.60 meter	Yes/No
3.3	Mechanism for crossing wate channel	Under ground water line through tranch mathod	Through utility duct (if provision exists) or beneath I the bed of water channel	Yes/No
3.4	Whether ROW is restricted in this stretch?	No, ROW is aviable at in this streches		Yes/No
3.4.1	If yes, whether provision of land acquisition is required to lay utility	N.A.		Yes/No
	(a) If yes, whether underta king for land acquisition along with relevant L.A. details has been furnished	N.A.		Yes/No
3.4.2	Width of concrete duct, if utility services are proposed to be lane laid in concrete ducts	N.A.	Not less then one lane	Yes/No

RESIDENT ENGINEER

ASSISTANT HIGHWAY MAINTENANCE ENGINEER ITTORGARH-KOTA SECTION NEW PROJECTS PVT. LTD. N MALVIYA INFRA PROJECTS PVT. LTD. PHED, Project Division-Begun L.N. MALVIYA INFRA PROJECTS PVT. LTD. THE SOTION NH-27 CHITTORGARH-K

4	Laying of utility services across the NH			
4.1	Whether Existing drainage structures is allowed to carry the utility lines.	No	Not to be allowed	
4.2	Proposed crossing of utility service	N.A.	Perpendicular to NH	Complying
4.3	Type of casing pipe/conduit carrying the utility line.	N.A.	Steel, cast iron, or NA reinforced cement concrete and have adequate strength	Yes/No
4.4	Whether ends of the casing/conduit pipe are sealed from the outside	N.A.	Sealed	Yes/No
4.5	Length of casing/conduit pipe crossing NH	N.A.	Extend from drain to drain in cuts and toe to toe of slope in the fills	Yes/No
4.6	Depth of top of the casing/conduit pipe.	N.A.	At least 1.2 m below the top of subgrade	Yes/No
4.7	Crossing method in case of CC pavement.	N.A.	Only boring method (HDD)	Yes/No
4.8	Horizontal and vertical clearances in case utilities are allowed overhead	N.A.	In accordance with IRC codes	Yes/No
5	Document I Drawings enclosed with the proposa			
5.1	Cross-Section showing the size of trench for open trenching method	Yes, As per MoRTH Guidelines	Enclosed, if applicable	Yes/No
	(a) Trench width	30 cm wide trench	More than 30 cm and less than 60 Cm.vider than the outer diameter of the utility pipe	Yes/No
	(b) Filling of trench	Yes, As per MoRTH Guidelines	as per Ministry guidelines vide letter No. RW/ NH- 34044/29/2 015/ S&R (R) dated 22.11.2016	Yes/No
	(c) Location of trench	Yes, As per MoRT H Guidelines	extreme edge of the ROW	Yes/No
5.2	Cross section showing the size of pit and location of conduit for HDD method	Enclosed	Enclosed, if applicable	Yes/No
5.3	Strip plan/ Route plan showing utility line, chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc	Enclosed	Enclosed	Complying
5.4	Plan and profile drawing of stretch showing cross section of road at 20m distance alongwith ROW and proposed utility	Enclosed	Enclosed	Yes/No
6	Methodology for laying of utility line	Trench Method	Enclosed	Yes/No

ASSISTANT HIGHWAY MAINTENANCE ENGINEER MALVIYA INFRA PROJECTS PVT. LTD L.N. MALVIYA INFRA PROJECTS PVT. LTD. CHITTORGARH-KOTA SECTION NHRMED, Project Division-Begun CHITTORGARH-KOTA SECTION NH-27

20

7	Draft License Agreement is as per Ministry guidelines vide letter No. RW/NH-34044/29/201S/5&R (R) dated 22.11.2016 and signed by two witnesses	Yes, As per MoRTH Guidelines	Enclosed	Yes/No
8	License fees in Favor of MoRTH RPAO Jaipur	Yes, As per MoRTH Guidelines	As per Ministry guidelines vide letter No. RW/ NH- 34044/29/2 015/ S&R (R) dated 22.11.2016	Yes/No
9	Whether Bank Guarantee has been obtained	Yes, As per MoRTH Guidelines	As per Ministry guidelines vide letter No. RW/ NH- 34044/29/2 015/ S&R (R) dated 22.11.2016	Yes/No
	(a) If yes, whether Confirm ation as per of BG has been obtained as per MORTH/ NHAI guidelines	Yes, As per MoRTH Guidelines		Yes/No
10	Affidavit / Undertaking from the Applicant for			
10.1	Undertaking for net to damage other existing utility, if damaged then to pay the losses to either to MoRTH/NHAI or to the concerned agency.	Yes	Enclosed	Yes/No
10.2	Underta king for renewal of Bank Guarantees and when asked by NHAI/ MoRTH	Yes	Enclosed	Yes/No
10.3	Undertaking for confirming all standard condition of MORTH/NHAIguidelines.	Yes	Enclosed	Yes/No
10.4	Undertaking for shifting of utility as and when asked by MoRTH/ NHA! within a month at their own cost.	Yes	Enclosed	Yes/No
10.5	Undertaking for indemnity against all damages and claims.	Yes	Enclosed	Yes/No
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	Yes	Enclosed	Yes/No
10.7	Undertak ing that If any claim is raised by the Concessionaire/ contractor then the same has to be paid by the applicant	Yes	Enclosed	Yes/No
10.8	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration	Yes	Enclosed	Yes/No

RESIDENT ENGINEER L.N. MALVIYA INFRA PROJECTS PVT. LTD. CHITTORGARH-KOTA SECTION NH-27

ASSISTANT HIGHWAY MAINTENANCE ENGINEER L.N. MALVIYA INFRA PROJECTS PVT. LTD. CHITTORGARH-KOTA/SE NH-27 PROJECT DIV., BEGUN, CHITTORGARH (RAJ.)

[Name, Designation and Signature of the authorized representative]