



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

क्षेत्रीय कार्यालय-पश्चिम उ०प्र०, लखनऊ Regional Office - West UP, Lucknow.

3/248, विशाल खण्ड, गोमती नगर, लखनऊ-226010 (उ.प्र.)

3/248, Vishal Khand, Gomti Nagar, Lucknow-226010 (UP)

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19001/1/RO-W-UP/NH-27/Km.1398.600 - 1437.000/UG/ 1497 Dated: 27.07.2022

Invitation of Public Comments

Sub: Proposal for NOC permission for laying of Water supply pipeline parallel and road crossing on NH-25(New NH-27) Jhansi-Orai Section at (Chainage 1398+600 to 1437+000 km) LHS/RHS from Village-Digara to Village-Amargarh section 250 mm dia to 700 ms casing pipe in the State of Uttar Pradesh for approx 40.600 km - reg.

The Authorized Signatory M/s U.P. Jal Nigam has submitted the proposal for NOC permission for laying of Water supply pipeline parallel and road crossing on NH-25(New NH-27) Jhansi-Orai Section at (Chainage 1398+600 to 1437+000 km) LHS/RHS from Village-Digara to Village-Amargarh section 250 mm dia to 700 ms casing pipe in the State of Uttar Pradesh for approx 40.600 km.

2. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016, 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 is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

The Chief General Manager cum Regional Officer,
National Highways Authority of India
Regional Office, UP-West, Lucknow
3/248, Vishal Khand, Gomti Nagar
Lucknow-226 010

This is issues with the approval of RO-West (UP).

Encl: As above.

(Roopak Jain)

Manager (T)

For RO-West, UP

Copy to:

1. Web Admin, NHAI-HQ- with request for uploading on the NHAI website.
2. The Technical Director, NIC, Transport Bhawan, New Delhi- with request for uploading on the Ministry's website.
3. The Authorized Signatory, M/s U.P. Jal Nigam (Gramin), Gwalior Road Jhansi (U.P) for information.
4. PD, PIU-Kanpur for information.

CHECK LIST

Guidelines for Project Directors for processing the proposal for laying of Water Supply Pipeline in the land along NH-27 vested with NHAI.

CHECK LIST FOR GETTING APPROVAL FOR LAYING OF WATER SUPPLY PIPELINE ON NH-27

| S.No. | Item | Information/Status | Remarks |
|-------|--|---|--|
| 1. | General Information | Apply for Permission of laying water pipeline parallel and crossing the NH-27. | SWSM |
| 1.1 | Name and Address of the Applicant/Agency | Executive Engineer, Division, Jhansi (U.P.) | |
| 1.2 | National Highway No. | NH-27 | |
| 1.3 | State | Uttar Pradesh | Asstt. Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. |
| 1.4 | Location | Jhansi To Kanpur section | Jhansi-Orai Section, NH-27 |
| 1.5 | Chainage in Km | Jhansi To Kanpur section as per Annexure 'I' | |
| 1.6 | Length in m | Jhansi To Kanpur Section, Left Side of NH-9.8 km Right Side of NH-30.8 km | Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| 1.7 | Width of Available ROW | As per enclosed Annexure -V | |
| | (a) Left side from center line towards increasing chainage / Km direction | -----Do----- | Team Leader Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| | (b) Right side from center line towards increasing chainage / Km direction | -----Do----- | |
| 1.8 | Proposal to lay underground pipeline | As per enclosed Annexure "II" | |
| | (a) Left side from center line towards increasing chainage / Km direction | -----Do----- | |
| | (b) Right side from center line towards increasing chainage / Km direction | -----Do----- | |
| 1.9 | Proposal to acquire land | N/A | |
| | (a) Left side from center line | - | |
| | (b) Right side from center line | - | |
| 1.10 | Whether proposal is in the same side where land is not to be acquired | YES, No Addition al land is to be acquired to accommodate pipeline | Mukesh Kumar Super Vision Engineer TES - WTESL (J.V.) P M C, Jhansi All Gov. W/S Schemes |
| | If not then where to lay the cable | N/A | |
| 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 | 4 Lanes | |
| 1.13 | Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes) | 4 - lanes with paved shoulders | |
| 1.14 | Service road existing or not | YES, | |
| | If yes then which side | | |



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Project Director
National Highways Auth.

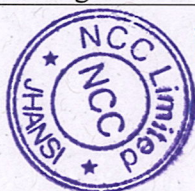
| S.No. | Item | Information/Status | Remarks |
|-------|--|---|--|
| | (a) Left side from center line | | |
| | (b) Right side from center line | | |
| 1.15 | Proposed Service Road | N/A | |
| | (a) Left side from center line | N/A | |
| | (b) Right side from center line | | |
| 1.16 | Whether proposal to lay water supply pipeline is <u>after the service road</u> or between the service road and main carriage way | After and Between the service road, as per site condition where land is not available outside the RoW Fromch. 1400.2 to 1401.4 (Both Side of Road) | Permission After service road only at edge of ROW. |
| 1.17 | The permission for laying of Water Supply Pipeline shall be considered for approval/rejection based on the Ministry circulars mentioned as above | | Asstt. Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| | (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 | N/A | Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| | (b) Carrying of water pipelines on bridges shall also be discouraged. 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, 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. | N/A | Team Leader Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 उपमहाप्रबन्धक (तकनीकी) D.G.M. (Tech.) भा.रा.प.भा. राइट आफिस, जंसी NHAI, Site Office, Jhansi Joint Director National Highways Authority P.O. Kanpur Mukesh Kumar Supervision Engineer TES - WTESL (J.V.) P M C, Jhansi All Gov. W/S Schemes |
| | (c) Cost of required extension of sub structure as well as that of the supporting superstructure shall be borne by the agency in charge of the utilities. | N/A | |
| | (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 Engineer only. | Yes | Ashwini Kumar Support Engineer TES - WTESL (J.V.) P M C, Jhansi Bachouli Gov. W/S Scheme Harsh Chandra Adl. Team Leader TES - WTESL (J.V.) P M C, Jhansi All Gov. W/S Schemes Manoj Kumar Field Engineer TES - WTESL (J.V.) P M C, Jhansi Gov. W/S Schemes Kunal Nayak Support Engineer TES - WTESL (J.V.) P M C, Jhansi Bachouli Gov. W/S Scheme |



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| 1.18 | If crossings of the road involved | Yes | |
| | 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 owing the line | Yes, encasing of pipeline will be done through MS casing pipe having diameter ranging from 250mm to 7000 mm. | |
| | (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? | The proposed crossings will be placed more than 15 Mtr. from structures of NHAI. | Asstt. Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| | (d) The casing pipe (or conduit pipe in the case of water pipeline) 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. | Yes, 250mm to 700 mm diameter MS Casing Pipe of required 6 mm to 10 mm thickness will be used to carry the 400 mm and other dia. DI Carrier pipe. | Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| | (e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path. | Yes | Team Leader Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| | (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 | |
| | (g) The top of the casing/conduit pipe should be at least 1.2 m below the surface of the road subject to being at least 0.3 m below the drain inverts. | Yes | उपमहाप्रबन्धक (तकनीकी) D.G.M. (Tech.) भा.रा.रा.भा. राइट आफिस, जॉइन्ट NHAI, Site Office, Jhansi |
| | (h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete pipe. | Yes | Project Director National Highways Authority P.I.U., Kanpur |
| | (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 water way along it. | Yes | Mukesh Kumar Supervision Engineer TES - WTSL (J.V.) P M C, Jhansi All Gov. W/S Schemes |
| 2 | Document/Drawings enclosed with the proposal | Enclosed | |
| 2.1 | Cross-Section showing the size of trench for open trenching method (Is it normal size of 1.2 m deep x 0.3 m wide) | Section of trench Dia. + 1m deep x dia.+ 600mm wide . DI pipeline and others as per enclosed drawing | Ashwani Kumar Support Engineer TES - WTSL (J.V.) P M C, Jhansi Bachauli Gov. W/S Scheme |
| | (i) Should not be greater than 60 cm wider than | Yes | Harish Chandra Adl. Team Leader TES - WTSL (J.V.) P M C, Jhansi Gov. W/S Schemes |



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| | 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 1.5 meter from the center lines of the nearest carriageway | Extreme edge of ROW between 15-22m from center line. | Ex. edge of ROW i.e. 20.22.5m or 28.30m |
| | (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. | No | |
| | (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 cable for HDD method | Annexure 'III' | |
| 2.3 | Strip plan/ Route plan showing water supply pipeline, chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc. | The enclosed drawing showing the alignment of pipeline, edge of ROW, important milestone, cross drainage works etc Annexure 'VII' | |
| 2.4 | Methodology for laying of showing Water Supply Pipeline | Annexure 'VIII' | |
| 2.4.1 | Open trenching method. (May be allowed in utility corridor only when pavement is neither cement concrete nor dense bituminous concrete type. If yes, Methodology of refilling of trench. | The pipeline is accommodate in utility corridor & will be executed by Open Trench Method | |
| | (a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe. | Yes | |
| | (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. | As per Cross Section | |
| | Unsuitable soil and rock edged should be excavated and replace by selected material. | Yes | |
| | (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. | Yes | |
| | (d) The side fill consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density. Overfill shall be compacted to the same density | Yes | |



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| | 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. | N/A | |
| | (f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. | Yes | Asstt. Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| | (g) If required, a diversion shall be constructed at the expense of agency owning the utility line. | N/A | Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| 2.4.2 | Horizontal Directional Drilling (HDD) method | Yes | |
| 2.4.3 | Laying of water supply pipeline through CD works and method of laying | H.D.D. Method | |
| | (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 guidelines issued with letter no. NH- | Yes | Team Leader Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| 3 | Draft License Agreement signed by two witnesses | Annexure 'IX' | D.G.M. (Tech.) NHA, Site Office, Jhansi |
| 4 | Performance Bank Guarantee in favour of NHA has to be obtained @ ` 50.0 per running meter (parallel to NH) and ` 100000.00 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 50 m away from the edge of the right of way. No payment shall be payable by the NHA to the licensee for clearing debris/ loose earth. | To be submitted as per instructions of NHA before commencement of Work. | Mukesh Kumar Supervision Engineer TES - WTESL (J.V.) P M C, Jhansi All Gov. W/S Schemes |
| 4.1 | Performance BG as per above is to be obtained | | Ashwini Kumar Support Engineer TES - WTESL (J.V.) P M C, Jhansi Bachouli Gov. W/S Scheme |
| 4.2 | Confirmation of BG has been obtained as per NHA guidelines. | Yes | Harish Chandra Adl. Team Leader TES - WTESL (J.V.) P M C, Jhansi |
| 5 | Affidavit/ Undertaking from the Applicant for | | Kund... Support Engineer TES - WTESL (J.V.) P M C, Jhansi |
| 5.1 | Not to damage to other utility, if damaged then | Yes, Enclosed at page no. 60 | |



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Bachouli Gov. W/S Scheme

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| | to pay the losses to either NHAI or to the concerned agency. | | |
| 5.2 | Renewal of Bank Guarantee | Yes, Enclosed at page no. | |
| 5.3 | Confirming all standard condition of NHAI guidelines | Yes, Annexure III | |
| 5.4 | Shifting of water supply pipelines as and when required by NHAI at their own cost. Shifting due to 6 laning/ widening of NH | Yes, Enclosed at page no. 62 | |
| 5.5 | Indemnity against all damages and claims clause (xxiv) | Yes | |
| 5.6 | Traffic movement during laying of water supply pipeline to be managed by the applicant | Yes, | |
| 5.7 | If any claim is raised by the Concessionaire then the same has to be paid by the applicant | Yes,, | |
| 5.8 | 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. | Yes, | |
| 5.9 | 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 pipeline will be borne by the agency owning the line. | Yes,, | |
| 5.10 | 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 owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given. | Yes, | |
| 5.11 | Certificate from the applicant in the following format | | |
| | (i) Laying of Water Supply pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic. | | |
| | (ii) For 4 laning " We do undertake that I will relocate service road/ approach road/ utilities at | | |

Asstt. Highway Maintenance Engineer
Lion Engineering Consultants Pvt. Ltd.
Jhansi-Drai Section, NH-27

Highway Maintenance Engineer
Lion Engineering Consultants Pvt. Ltd.
Jhansi-Drai Section, NH-27

Team Leader
Lion Engineering Consultants Pvt. Ltd.
Jhansi-Drai Section, NH-27

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| | my own cost not withstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development." | | SWSM |
| 6 | Who will sign the agreement on behalf of Water Supply Pipe Line agency | Executive Engineer, Division, Jhansi (U.P.) | |
| 7 | Certificate from the Project Director | | |
| 7.1 | Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-41 (58)/68 dated 31.01.1969, Ministry circular No. NH-III/P/66/758 A dated 11.05.1982, Ministry circular no. RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, Ministry circular no. RW/NH-11037/1/86/DOI dated 19.01.1995, Ministry circular no. RW/NH-34066/2/95/ S&R dated 25.10.1999 and ministry circular no. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003 | (Yes/ No) | Asstt. Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| 7.2 | Certificate from PD in the following format (i) " It is certified that any other location of the water supply pipeline would be extremely difficult and unreasonable costly and the installation of Water Supply pipeline within ROW will not adversely affect the design, stability and traffic safety of the highway the likely future improvement such as widening of the carriage way, easing of curve etc." | (Yes/No) | Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 Team Leader Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| | (ii) for 6 -laning | | उपमहाप्रबन्धक (तकनीकी) D.G.M. (Tech.) भा.रा.रा.भा. सड़क आफिस, जंशी NHAI, Site Office, Jhansi |
| | (a) Where feasibility is available " I do certify that there will be no hindrance to proposed six laning based on the feasibility report considering proposed structures at the said location" | | Project Director National Highways Authority P.U.U. Kanpur |
| | (b) In case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodating proposed six-lanning" | | Mukesh Kumar Supervision Engineer TES - WTESL (J.V.) P.M.C, Jhansi All Gov. W/S Schemes |
| 8 | If NH section proposed to be taken up by the 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, | | Ashwini Kumar Support Engineer TES - WTESL (J.V.) P.M.C, Jhansi Bachouli Gov. W/S Scheme Harish Chandra Adm. Officer TES - WTESL (J.V.) P.M.C, Jhansi All Gov. W/S Schemes Kunal Nayak Support Engineer TES - WTESL (J.V.) P.M.C, Jhansi Sachouli Gov. W/S Scheme |



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Gulara Gov. W/S Scheme

| S.No. | Item | Information/Status | Remarks |
|-------|---|---|---|
| | Operate and Transfer Basis] and therefore, the licensee shall honour the same" | | SWSM |
| 9 | Who will supervise the work of laying of Water Supply Pipeline | Executive Engineer, Division, Jhansi (U.P.) | |
| 10 | Who will ensure that the defects in road portion after laying of Water Supply Pipeline are corrected and if not corrected then what action will be taken. | As already given in the agreement clause at para (viii) | SWSM |
| 11 | Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire? | Executive Engineer, Division, Jhansi (U.P.) | |
| 12 | A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa. (copy enclosed) | | Asstt. Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |
| 13 | If any previous approval is accorded for laying of underground water supply pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed. | NA | Highway Maintenance Engineer Lion Engineering Consultants Pvt. Ltd. Jhansi-Orai Section, NH-27 |

Project Director
National Highways Authority of India
P.O., Kanpur

उपमहाप्रबंधक (सिफ्टी)
D.G.M. (Tech.)
आ.रा.रा.प्र. साइट ऑफिस, झांसी
NHAI, Site Office, Jhansi

Team Leader
Lion Engineering Consultants Pvt. Ltd.
Jhansi-Orai Section, NH-27

Signature of Project Director

Executive Engineer
Minor Irrigation Division,
Jhansi (U.P.)

Ashwani Kumar
Support Engineer
TES - WTSL (J.V.)
P M C, Jhansi
Bachauli Gov. W/S Scheme



Mandj Kumar
Field Engineer
TES - WTSL (J.V.)
P M C, Jhansi
Gulara Gov. W/S Schemes

Faisal Ahmad
Support Engineer
TES - WTSL (J.V.)
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Mukesh Kumar
Supervision Engineer
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All Gov. W/S Schemes

Hemendra
Adl. Team Leader
TES - WTSL (J.V.)
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All Gov. W/S Schemes

Kunal Nayak
Support Engineer
TES - WTSL (J.V.)
P M C, Jhansi
Bachauli Gov. W/S Scheme