



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

प्लॉट.क्र.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८, आंध्र प्रदेश

Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

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भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Ref.No. NHAI/RO-VJA/11045/NOC/NMDC-725.000 /2021-22/1199

Dt.07.06.2021

INVITATION OF PUBLIC COMMENTS

Sub: RO - Vijayawada - Grant of permission for laying 22" diameter Slurry Pipeline, 12" water pipeline and OFC duct of 150mm diameter for carrying Iron Ore Concentrate (in slurry form) for Slurry Pipeline Project of M/s. NMDC on NH-16 at Km.725.000 of Vadlapudi (Pedagantyada) Visakhapatnam District for a length of 60mt - **Public comments** - Reg.

The Project Director, PIU - Visakhapatnam submitted a proposal of National Mineral Development Corporation Ltd. (NMDC), Jagadapur, Chattisgarh for laying 22" diameter Slurry Pipeline, 12" water pipeline and OFC duct of 150mm diameter for carrying Iron Ore Concentrate (in slurry form) for Slurry Pipeline Project of M/s. NMDC on NH-16 at Km.725.000 of Vadlapudi (Pedagantyada) Visakhapatnam District for a length of 60mt.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22nd November 2016, the Highway Administration will put out the application in the Ministry's website for 30 days 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.

Regional Officer - Vijayawada,
National Highways Authority of India,
Plot No.21, Teachers' Colony, Gurunanak Nagar Road,
Vijayawada, Andhra Pradesh. Pin: 520 008.
Email: rovijayawada@nhai.org

(R.K. Singh),
Regional Officer
RO - Vijayawada



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India

(सड़क परिवहन और राजमार्ग मंत्रालय)

(MINISTRY OF ROAD TRANSPORT & HIGHWAYS)

परियोजना कार्यान्वयन इकाई (जि व्यू), भा.रा.रा.पा. एन्क्लेव, कि.मी. 2/8 रा.रा.5.,

Project Implementation Unit (GQ), NHAI Enclave, KM 2/8 NH-16

हनुमन्तवाका, विशाखपट्टणम - 530 040, ए.पि., भारत

Hanumanthavaka, Visakhapatnam - 530 040, A.P., India



भारतमाला

प्रगति के पथ पर आमत
BHARATMALA
ROAD TO PROSPERITY

दूरभाष / Phone : 0891-2707600

2714119

फाक्स / Fax No. : 0891-2714118

ई-मेल / E-mail : vis@nhai.org

Ref. No.: NHAI/PIU-VSP/Permissions-NMDC/Km. 725.00/2020/ 6760

Date : 24.12.2020

To

The Regional Officer,
National Highways Authority of India,
Regional Office, Gurunanak Nagar Road,
Teachers Colony,
VIJAYAWADA.

Sub: NHAI, PIU, Visakhapatnam - Permission for laying underground Slurry Pipeline for carrying Iron Ore Concentrate (in slurry form) Slurry pipeline project of M/s NMDC on NH-16 at Km 725.000 of Vadlapudi (Pedagantyada) Visakhapatnam district in the state of Andhra Pradesh - Request for issuing NOC- regarding.

- Ref:
1. Letter No. SPL/Phase-2/A.P/2019/02 dated 06.08.2019 of the Project Manager, NMDC
 2. This office letter No. NHAI/PIU-VSP/NMDC/RO/2019/1381 dated 17.08.2019
 3. Letter No. MSV. Armange/O&M/NHAI-PIU-VSP/NMDC/Crossing/219-20/120 dated 22.10.2019 of M/s MSV Armange
 4. This office letter No. NHAI/PIU-VSP/NMDC/OFC/2019/2288 dated 16.11.2019.
 5. Letter No. SPL/Phase-2/A.P/2020/1023 dated 06.03.2020 of the Project Manager, NMDC
 6. This office letter No. NHAI/PIU-VSP/NMDC/AP/2019-20/3595 dated 13.03.2020
 7. Letter No. MSV. Armange/O&M/NHAI-PIU-VSP/NMDC/Crossing/219-20/168 dated 20.03.2020 of M/s MSV ARMENGE
 8. This office letter No. NHAI/PIU-VSP/NMDC/2019/3456 dated 04.05.2020
 9. Letter No. SPL/Phase-2/A.P/2019/1194 dated 21.06.2020 of the Project Manager, NMDC
 10. This office letter No. NHAI/PIU-VSP/NMDC/RO/2019/5364 dated 06.07.2020
 11. Letter No. MSV. Armange/O&M/NHAI-PIU-VSP/NMDC/Crossing/219-20/203 dated 30.07.2020 of M/s MSV ARMENGE
 12. This office mail dated 06.08.2020
 13. NMDC mail dated 20.08.2020
 14. Lr. No. MSV.Armange/O&M/NHAI-PIU-VSP/NMDC/Crossing/2019-20/215 dated 26.08.2020
 15. This office letter No. NHAI/PIU-VSP/Permissions-NMDC/Km 725.00/2020/6057 dated 28.09.2020
 16. Letter No. SPL/Phase-2/AP/2020/1451 dated 11.11.2020 of the Project Manager (Phase-II), Slurry pipeline Project, NMDC Ltd.,

Sir,

1. Vide letter 01st cited, the Project Manager, NMDC Ltd., has submitted a proposal with a request to accord permission for laying underground Slurry Pipeline for carrying Iron Ore Concentrate (in slurry form) of M/s NMDC on NH-16 at Km 725.000 of Vadlapudi (Pedagantyada), Visakhapatnam district in the state of Andhra Pradesh. The proposal has been forwarded to the Independent Consultant vide this office letter 02nd cited.
2. The proposal has been inspected and verified by Independent Consultants of this office and certain observations were communicated vide reference 03rd cited. Which was informed to the agency vide this office letter 04th cited.

Building a Nation, Not Just Roads

निगमित कार्यालय : जी-5, एवं.6, सेक्टर-10, द्वारका, नई दिल्ली-110 075. वेब साइट : <http://www.nhai.org>

Corporate Office : G-5 & 6, Sector-10, Dwaraka, NEW DELHI - 110 075, Website : <http://www.nhai.org>

3. Subsequently, certain queries pertaining to drawing were raised and finally vide reference 14th cited, the Independent Consultant has furnished its recommendations after verifying the proposal as per the MoRT&H guidelines.
4. The following documents are submitted by the Agency.
- (a) Proposal letter
 - (b) Check List
 - (c) The ROW details as per available records are 60 mts.
 - (d) License deed / Lease agreement.
 - (e) Affidavit (in complete)
 - (f) General Power of Attorney
 - (g) Route Map
 - (h) Cadastal map
 - (i) Detailed description of methodology for crossing of Slurry pipeline and water pipeline along with OFC.
 - (j) Detailed description of standard technical specification for laying of underground slurry pipeline and water pipeline along with OFC
 - (k) Specification and License fee estimate
 - (l) Road crossing drawing.
5. While the proposal is under process, the Competent Authority has made it mandatory for submission of the proposals through online as contained in para 4 of the Ministry's guidelines dated 22.11.2016. As such, this office vide letter 15th cited while returning the proposal has requested the agency to submit the same online.
6. Vide reference 16th cited, the agency has informed that after going through the guidelines available in the portal, it was observed that these guidelines were not meant for Slurry pipeline road crossings but only for fuel stations. Further, the agency has also informed that they tried to apply online in MoRT&H portal for NH I Odisha State but could not complete the formalities as the portal does not have the facility for pipelines. While informing this, the agency has requested for processing the offline proposal.
7. Keeping in view the recommendations of the Consultants, the proposal submitted by M/s NMDC Ltd., for permission for laying underground Slurry Pipeline for carrying Iron Ore Concentrate (in slurry form) of M/s NMDC on NH-16 at Km 725.000 of Vadlapudi (Pedagantyada) Visakhapatnam district in the state of Andhra Pradesh is herewith recommended for communicating the approval of Competent Authority.

Encl: Proposal in two sets
(01 Original + 01 Duplicate)

Yours faithfully,


(P. Siya Sankar)
GM(T) & Project Director

CERTIFICATE

- 1 It is certified that the proposal for "laying underground Slurry Pipeline for carrying Iron Ore Concentrate (in slurry form) Slurry pipeline project of M/s NMDC on NH-16 at Km 725.000 of Vadlapudi (Pedagantyada) Visakhapatnam district in the state of Andhra Pradesh" is confirming of all the standard conditions / guidelines issued vide Ministry circular No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016.
- 2 It is certified that laying of pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway.
- 3 It is certified that there will be no hindrance to the six-laning based on the feasibility at the said location, if six-laning project is taken up, an undertaking in this regard is attachment by the agency duly notifying that M/s NMDC will relocate the pipeline at their own cost if 6-laning is taken up.
3. It is certified that the details of the proposed permission shall be entered in the Register of Records of the Permission maintained by PIU.


GM (T) & Project Director


(P. Meera Anusha)
Manager (Tech)

ANNEXURE - I

Calculation of License Fees & Bank Guarantee Amount

Proposal for laying underground Slurry Pipeline for carrying Iron Ore Concentrate (in slurry form) Slurry pipeline project of M/s NMDC on NH-16 at Km 725.000 of Vadiapudi (Pedagantyada) Visakhapatnam district in the state of Andhra Pradesh under the jurisdiction of NHAI, PIU, Visakhapatnam

Sl. No.	Name of Village	Chainage		Length	Width	Area required Sq. Mtrs.	Prevailing rate of Land in Rs./Sq. Yard (As per Revenue Records)	Prevailing rate of Land in Rs./Sq.Mtrs. (Rate per Sq. Yard *1.196)	Amount Rs.	Remarks
2	Across the NH at 725.000	---	---	60.0000	1.320	79.20	14,700	17,581	13,92,431	
				60.000					13,92,431	
Total Amount										
License Fees (Rs./month) = 13,92,431/10*12										
Total License Fees for 5 years = 11604*12*5										
Total License Fees payable by NMDC for Laying of Public Utility Service -----> (For Public Utility 33% of Industrial Utilities as per point No. 5 of MoRTH gude lines vide letter No. RW/NH-33044/29/2015/S&R(R) Dated: 22 nd November, 2016 i.e. Rs. 6,96,216*33%)										
									2,29,751	

Performance Bank Guarantee Amount calculation

Amount of Performance Bank Guarantee to be submitted = length in Mtrs. x Rs. 250/- per meter as per Point No. 6 of MoRTH gude lines vide letter No. RW/NH-33044/29/2015/S&R(R) Dated: 22 nd November, 2016, i.e. 60 Mtrs. x Rs. 250 (for utility services such as Pipes (>300mm dia / width but <= 1000 mm) etc.,) - Gas Pipeline	15,000
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Manager (T)


GM (T) & Project Director



एनएमडीसी लिमिटेड NMDC Limited

(भारत सरकार का उद्यम) (A GOVT. OF INDIA ENTERPRISE)

Fax : 07782-222770

Ph. : 07782-225599

स्लरी पाईपलाइन प्रोजेक्ट SLURRY PIPELINE PROJECT Email : spljdp@nmdc.co.in

बैलाडीला भवन, गीदम रोड, जगदलपुर, बस्तर (छ.ग.) 494001 Bailadila Bhawan, Geedam Road, Jagdalpur, Bastar, C.G. 494001

निगम पहचान संख्या / Corporate Identity Number : L13100AP1958 GOI 001674

SPL/Phase-2/AP/2020/1451

Date:11.11.2020

To,

GM(T) & Project Director,
Project Implementation Unit (GQ),
NHAI Enclave, Hanumanthavaka,
Visakhapatnam – 530040 (AP).



Sub: Laying of underground Slurry pipeline carrying iron ore concentrate (in slurry form) – Permission for crossing National Highway 16 at km 725.000 of Vadlapudi (Pedagantyada) Visakhapatnam district in the state of Andhra Pradesh – Reg.

Ref: Letter no. NHAI/PIU-VSP/Permission -NMDC/Km.725.000/2020/6057 dated 28.09.2020

Sir,

With reference to your letter, wherein it is mentioned that for seeking permission for crossing National Highway, it is required to submit the proposal online in MoRTH portal. It is brought to your kind notice that, after going through the guidelines available in the portal, it was observed that these guidelines were not meant for Slurry pipeline road crossings but only for fuel stations (Screen shot enclosed for ready reference).

Earlier also we tried to apply online in MoRTH portal for National highways in Odisha State but could not complete the formalities as the portal does not have the facility for Pipelines. NMDC had been permitted to submit the offline application at Regional Office, MoRTH, Bhubaneswar for National highways in Odisha.

In view of the above, it is requested to process the offline application and accord the desired permission to NMDC.

NHAI PIU	VSP
Mgr (T)	
Dy.M (T)	
PS(MLN)	
PS(VL)	
PA(RVG)	
ACCTS	
SE	

Yours faithfully,

(M Rajgopal)

Project Manager (Phase-II)
Slurry Pipeline Project
NMDC Ltd, Jagdalpur.
mrajgopal@nmdc.co.in

#9425266449

पंजीवन कार्यालय : 10-3-311 ए खनिज भवन, मसब टैंक, हैदराबाद – 500028 तेलंगाना
Regd. Office : 10-3-311/A Khanij Bhavan, Masab Tank, Hyderabad - 500028 Telangana

CHECK LIST	
Guidelines for processing the proposal for laying slurry pipeline in the land across National Highway vested with 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 18-11-1976
3.	Ministry Circular No. RW-NJ-III/P/66/76 dated 01-05-1982
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
8.	Ministry Circular No. RW-NH-34044/29/2015/S&R dated 22.11.2016

Checklist for getting approval for laying of Slurry pipeline along with OFC on NH land

S.NO	Item	Information/Status	Remarks
1	General Information	Proposal for permission for laying of Slurry pipeline(Mineral) of 559mm along with 305mm dia. Water Pipeline and 150mm dia. duct for laying OFC across NH 16 between Km Stone No. 725.00 and 725.10 in the Andhra Pradesh State.	
1.1	Name and Address of the Applicant/Agency	General Manager, Slurry Pipeline Project, NMDC Ltd, Bailadila bhavan, Geedam road, Jagdalpur,494001,Chhattisgarh	
1.2	National Highway Number	NH-16	
1.3	State	ANDHRA PRADESH	
1.4	Location	VADLAPUDI	
1.5	(Chainage in KM)	725.060 km	
1.6	Length in Meters	60m	RoW
1.7	Width of available Row	60m crossing	
	(a) Left side from center line towards increasing chainage/Km direction	NA	
	(b) Right side from center line towards increasing chainage/Km direction	NA	
1.8	Proposal to lay underground mineral slurry pipeline for Supply of mineral products		
	(a) Left side from center line towards increasing chainage/Km direction	NH crossing	
	(iii) Right side from center line towards increasing chainage/Km direction	NH crossing	
1.9	Proposal to acquire land		
	(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	NA	
	if not then where to lay the cable.	NA	
1.11	Details of already laid services, if any along the proposed route	NIL	

V. AJIT KUMAR
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NMDC LTD., JAGDALPUR

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Dym(7)

Project Director
National Highways Authority of India
P.O. VISAKHAPATNAM


1.12	Number of existing lanes (2/4/6/8 lanes).	4	
1.13	Proposed number of lanes (2 Lane with paved shoulders/4/6/8 lanes).	-	
1.14	Service road existing or not	NO	
	if yes then which side		
	(a) Left side from the center line		
	(b) Right side from the center line		
1.15	Proposed service road	NA	
	(a) Left side from the center line		
	(c) Right side from the center line		
1.16	Whether proposal to lay the Mineral slurry pipeline is after the service road or between the service road and main carriageway	NA	
1.17	Whether carrying of sewage/slurry pipeline has been proposed on Highway bridges. If Yes, then mention the methodology proposed for the same.	NA	
1.18	Whether carrying of sewage/slurry pipeline has been proposed on the parapet/ any part of the bridges. If Yes, then mention the methodology proposed for the same.	NA	
1.19	If crossing of the road involved If yes, it shall be either encased in pipes of through structure or conduits specially built for the purpose at the expenses of the agency owing the line	YES	
	(a) Whether existing drainage structures are allowed to carry mineral pipeline	NO	
	(b) It is on a line normal to NH	YES	
	(c) What is the distance of crossing the mineral pipeline from the existing structures. Crossing shall not be too near the existing structures on the Nation Highway, minimum distance being 15 meter.	20m	

V. AJIT KUMAR
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NMDC LTD., JAGDALPUR


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Dym(7)

Project Director
National Highways Authority of India
P.I.U. WSAKHAPAT

	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the mineral 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. Mention type of casing.	150mm OD MS pipe will be used for crossing of OFC cable.	
	(e) Ends of casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	YES	
	(f) the casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	YES	
	(g) The top of the casing/conduit pipe should be at least 1.2 meters below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	YES	
	(h) Mention the methodology proposed for crossings of road for the proposed Sewage/mineral pipeline. Crossing shall be by boring method (trenchless Technology), specially, where the existing road pavement is of cement concrete of dense bituminous concrete type	The pipeline will be laid by HDD Method which is trenchless method.	
	(i) The casing /conduit pipe shall be installed with an even wearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	YES	
2	Document/Drawing to be enclosed with the proposal	YES	
2.1	Crossing section showing the size of trench for open trenching method (Is it normal size of 1.2m deep *0.3m wide)		
	i. Should not be greater than 60cm wider than the outer diameter of the pipe		


V. AJIT KUMAR
 GENERAL MANAGER
 MERRY PIPE LINE PROJECT
 NMDC LTD., JAGDALPUR

5211-2
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Project Director
 National Highways Authority of India
 P.T.U. VISAKHAPATNAM

	ii. Located as close to the extreme edge of the right of way as possible but not less than 15m from the center lines of the nearest carriageway	NA	
	iii. Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall be laid over the existing culverts and bridges.		
	iv. These should be so laid that their top is least 0.6m below the ground level so as not to obstruct drainage of the land.		
2.2	Cross section showing the size of pit and location of cable for Cased Crossing Method	YES	
2.3	Strip plan/route plan showing the mineral pipe line, chainage, width of ROW, distance of proposed pipe line from the edge of ROW, important mile stone, intersections, cross drainage work etc.	YES	
2.4	Methodology for laying of the mineral pipe line	The pipeline will be laid by HDD Method which is trenchless method.	
2.4.1	Open trenching method. (may be allowed in the mineral Corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, what is the methodology of refilling of trench.	NA	
(a)	The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	NA	
(b)	For filling of the trench, bedding shall be at 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 a sudden change in the bearing value. Unsuitable soil and rock edged should be excavated be selected material	NA	

V. AJIT KUMAR
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NMDC LTD., JAGDALPUR

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RAM K. TILAK
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
JAGDALPUR
Project Director
National Highway
P.I.U. V.
Authority of India
APATNAM

	(c)	The backfill shall be completed in two stages (i) side fill to level of the top of the pipe and (ii) overfill to the bottom of the road crust.	NA	
	(d)	The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tempering and controlled addition of moisture to 95% of the proctor's density overfill shall be compacted to the same density as the material that has been remove. Consolidation by saturation or ponding eill not be permitted	NA	
	(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.	NA	
	(f)	The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	
	(g)	If required, a diversion shall be constructed at the expense of agency owing the mineral line	NA	
2.4.2		Horizontal Directional Drilling (HDD) method.	YES	
2.4.3		Methodology for laying of pipe line through CD works and method of laying. In cases where the carrying of mineral pipe line on the bridge becomes inescapable.	NA	
3		Draft license Agreement is signed by two witnesses	YES	
3.1		The license fee estimate as per Ministry's guidelines issued vide circular no.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	Enclosed	
4		Whether perormance Bank gurantee as per Ministry's circular no.RW/NH- 33044/29/2015/S&R (R) dated 22.11.2016 is obtained	An undertaking for agreement is attached here with	
4.1		Confirmation of BG has been obtained or not as per MORTH/NHAI guidelines	YES	The BG will be submitted after approval of proposal and after that confirmation of BG shall be obtained as per guidelines
5		Affidavit/ Undertaking from the Applicant for the following is to be furnished		यशवीर कुमार अग्रवाल Dym (7)

V. AJIT KUMAR
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NMDC LTD., JAGDALPUR

यशवीर कुमार अग्रवाल
Dym (7)

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

5.1	Undertaking for not to damage any other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	YES	
5.2	Undertaking for Renewal of bank guarantee as and when asked by MoRTH/NHAI.	YES	
5.3	Undertaking for confirming all standard condition of Ministry Circulars and NHAI's guidelines	YES	
5.4	Undertaking for Indemnity against all damages and claims.	YES	
5.5	Undertaking for management of traffic movement during laying of Mineral Pipe line without hampering the traffic	YES	
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be paid by the	YES	
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work for installation, shifting or repairs, or alterations to the Mineral located in the National Highway right-of-ways.	YES	
5.8	Undertaking that expenditure, if any, incurred damage caused to the National Highway by the laying, maintenance or shifting of the Mineral Pipe Line will be borne by the applicant agency owing the line.	YES	
5.9	Undertaking that text of the license deed is as per verbatim of MoRTH format (issued vide circular no.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	YES	
5.10	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 as applicable, before applying to Highway Administration	YES	
5.11	If the MoRTH/NHAI consider it necessary in future to move the Mineral Pipe Line for any work of improvement or repairs to the road, it will be carried out as desired by the MoRTH/NHAI at the cost of the agency owing the mineral Pipe Line within a reasonable time (not exceeding 60 days) of the intimation given	YES	

AJIT KUMAR
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NHDC LTD., JALGAON

52112
By m/h

Project Director
National Highways Authority of India
P.I.U. VISAKHAPATNAM

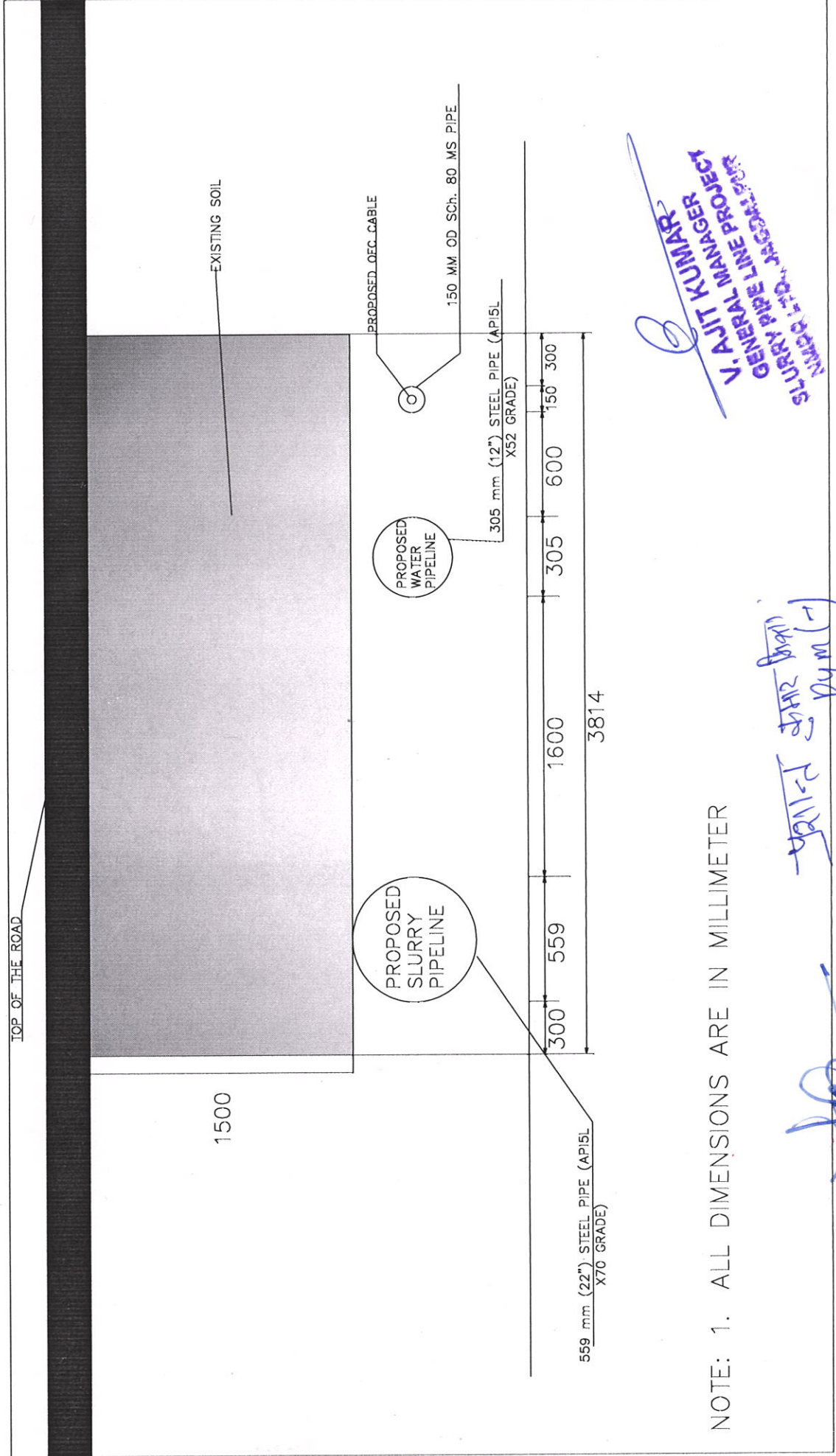
5.12	Certificate from the applicant in the following format (i) Laying of pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) "We do undertake that I/We will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development".	Enclosed	
6	Who will sign the agreement on behalf of pipe agency	General Manager, Slurry Pipeline Project, NMDC Ltd, Bailadila bhavan, Geedam road, Jagdalpur, 494001, Chhattisgarh	
	Power of Attorney to sign the agreement is available or not	YES	
7	The project Director will submit the following Certificates		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide Ministry's circular no.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	YES	
7.2	Certificate from PD in the following formate		
	"It is certified that any other location of the Mineral Pipe line would be extremely difficult and unreasonable constly and the installation of Mineral Pipe Line within (h) ROW will not adversely affect the desigh, stability & traffic safety of the Highway not the likely future improvement such as widening of the carriageway easing of curve etc"	YES	
	(ii) For 6-lanning		
	Where feasibility is available "I do certify that there will be no hindrance to proposed (a) six-laning based on the feasibility report considering proposed structures at the said location"		

V. AJIT KUMAR
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NMDC LTD., JAGDALPUR

यशवीर कुमार शर्मा
Dym (-)

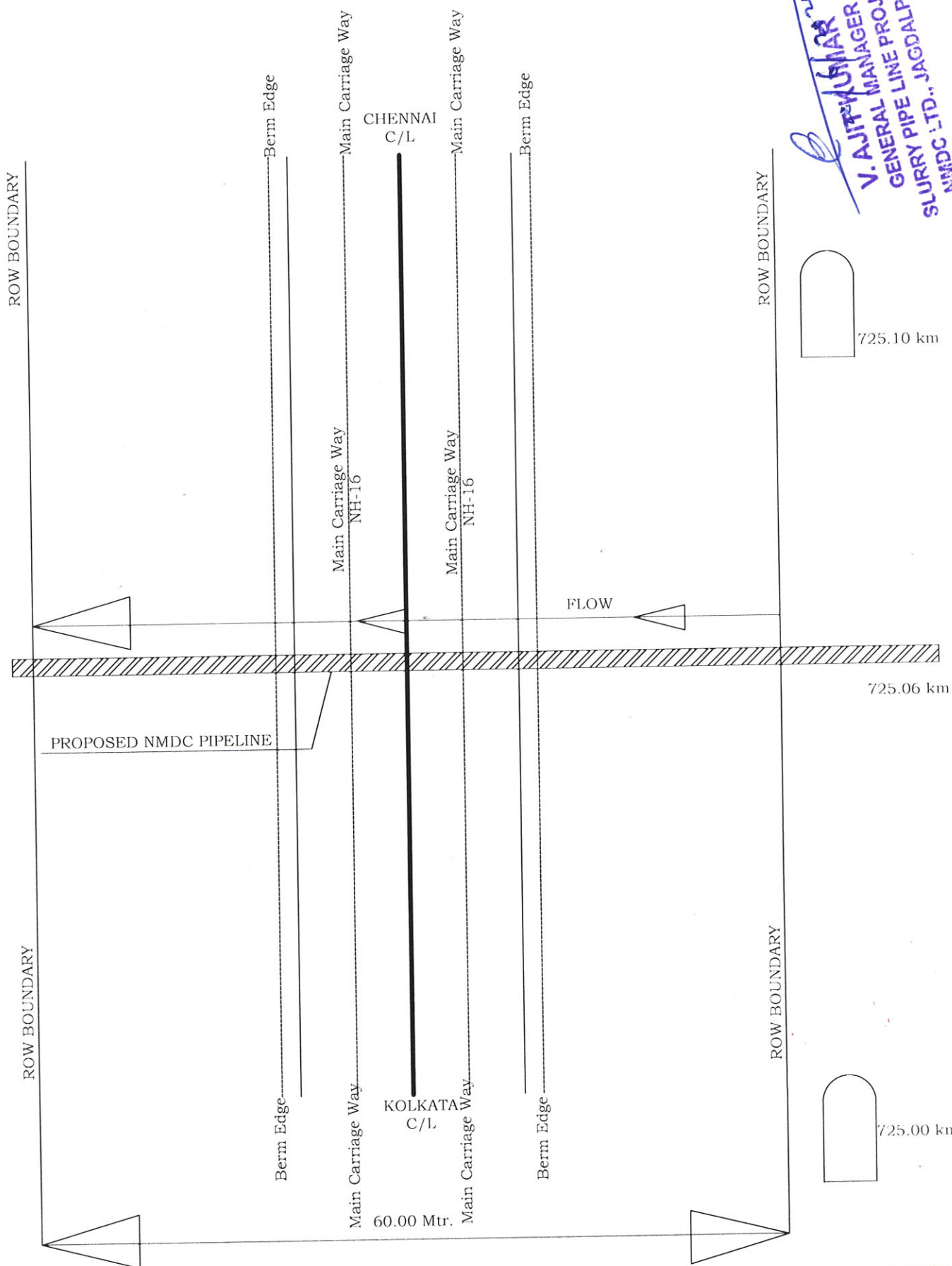
RAMUN TILA V. AJIT KUMAR
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NMDC LTD., JAGDALPUR
Project Director
National Highways Authority of India
P.O. VISAKHAPATNAM

CROSS SECTION DRAWING OF SLURRY PIPELINE ALONG WITH WATER PIPELINE AND OFC **(BY HDD METHOD)**



5

**DETAILED LAYOUT OF SLURRY PIPELINE CROSSING
NATIONAL HIGHWAY ROAD**



V. AJITH KUMAR
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NMDC LTD., JAGDALPUR

**CROSS SECTION DRAWING OF SLURRY PIPELINE ALONG WITH WATER PIPELINE AND OFC
(BY HDD METHOD)**

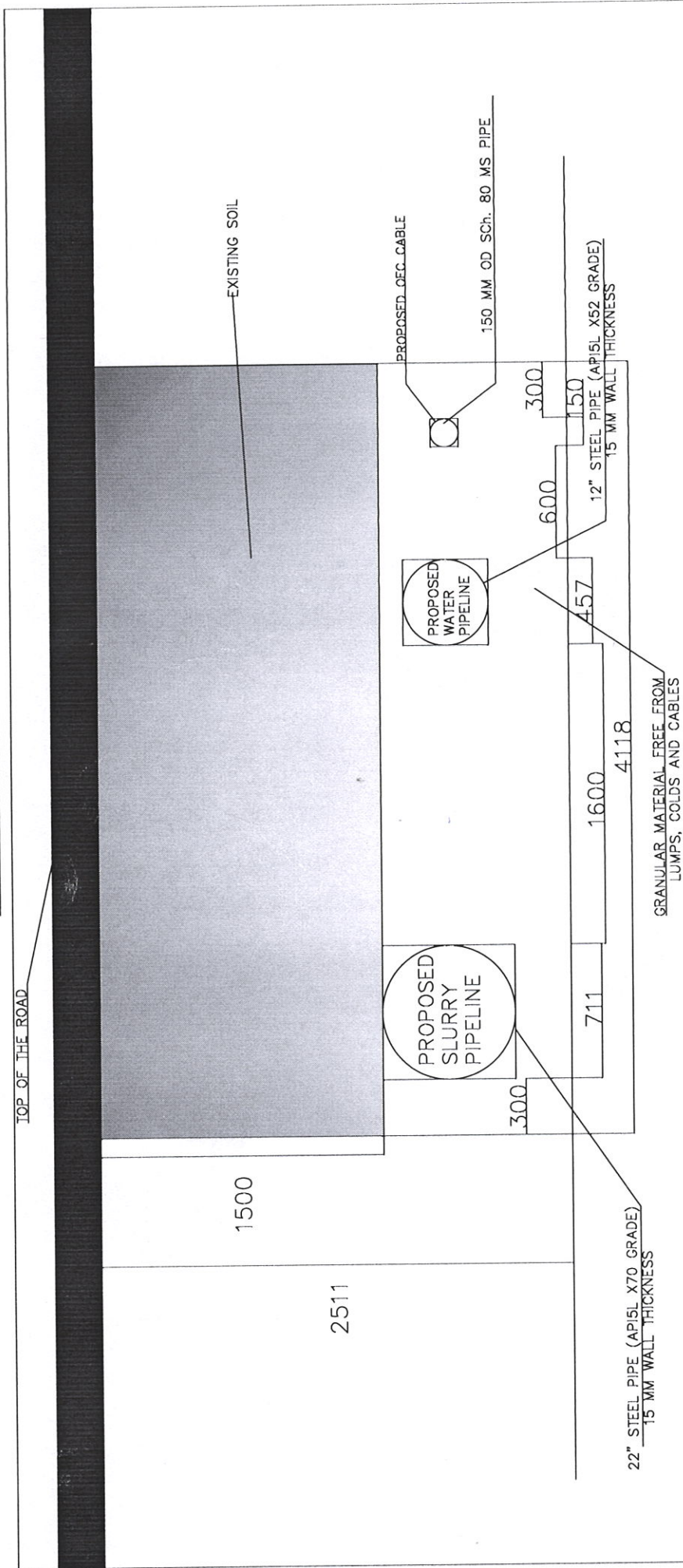



FIGURE – 1 INSTALLATION OF CASING PIPE FOR CROSSING THE ROAD

NOTE: 1. ALL DIMENSIONS ARE IN MILLIMETER


 22/6/2020
V. AJIT KUMAR
 GENERAL MANAGER
 GENERAL PIPE LINE PROJECT
 SLURRY PIPE LTD., JAGDALPUR
 NINDC LTD.