



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.क.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.

टेली / Tele : 0866-2483910

फैक्स / Fax : 0866-2474496

ई-मेल / E-mail : rovijayawada@nhai.org
nhairovja@gmail.com



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Ref.No. NHAI/RO-VJA/11045/NOC/NMDC-708.367 /2021-22/ 1175

Dt.03.06.2021

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.708.367 of Pinagadi (Pendurthi) 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.708.367 of Pinagadi (Pendurthi) 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 ब्यू), 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 अग्रसर
BHARATMALA
ROAD TO PROSPERITY

दूरभाष / Phone : 0891-2707600

2714119

फाक्स / Fax No. : 0891-2714118

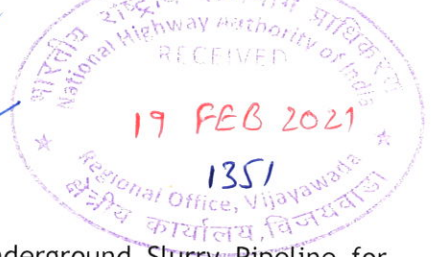
ई-मेल / E-mail : vis@nhai.org

Ref. No.: NHAI/PIU-VSP/Permissions-NMDC/Km. 725.00/2020/ 7132 Date : 16.02.2021

To

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

22/02
M92



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 708.367 of Pinagadi (Pendurthi) Visakhapatnam district in the state of Andhra Pradesh - Request for issuing NOC- regarding.

- Ref : 1. Letter No. SPL/Phase-2/A.P/2020/1195 dt.21.08.2020 of the Project Manager, NMDC
2. This office letter No. NHAI/PIU-VSP/NMDC/2020-21/5810 dated 28.08.2020
3. Lr.No.DBL/NHAI/AP/DBLAAHPL/20-21/913, DT.30.11.2021 of Concessionaire
4. Lr.No.CEMOSAARMENGE/IEAPA/NHAI/VSKP/20-21/984, dt.03.12.2020

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 708.367 of Pinagadi (Pendurthi), 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 informed that the documents submitted by M/s.NMDC are in order. The concessionaire has also submitted his consent vide reference 3rd cited with certain conditions.
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) Specification report
 - (e) License deed / Lease agreement.
 - (f) Affidavit
 - (g) General Power of Attorney
 - (h) Route 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

Building a Nation, Not Just Roads

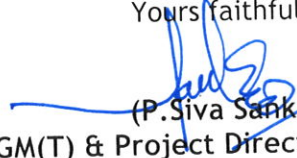
Contd2

-- : 2 :: --

5. Keeping in view of 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 708.367 of Pinagadi (Pendurthi) 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. Siva Sankar)
GM(T) & Project Director

16/2/21

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 708.367 of Pinagadi (Pendurthi) 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 and consent of concessionaire.
4. 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)

certificate for all pipe line

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 708.367 of Pinagadi (Pendurthi Mandal) 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 708.367	---	---	60.0000	3.814	228.84	868	1,038	2,37,536	
				60.000						
Total Amount										
License Fees (Rs./month) = 237536/10*12										
Total License Fees for 5 years = 1979*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. 1,18,768*33%)										
39,193										

Performance Bank Guarantee Amount calculation	
Amount of Performance Bank Guarantee to be submitted = length in Mtrs. x Rs. 500/- 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. 500 (for utility services such as Pipes (>= 1000 mm) etc.,) - Gas Pipeline	30,000


Manager (T)


GM (T) & Project Director

Site office:

G-1, Dinesh Homes, Pendurthi, Andhra Pradesh. PIN - 530047
Mob: 9414184839 email: cemosarmenge.apa@gmail.com

Central Offices India:

502, 5th Floor, DDA-5 Building, District Centre, Janakpuri, New Delhi - 110058, India. Tel.: (+91) 011-47503189.

CEMOSAARMENGE/IEAPA/NHAI/VSKP/20-21/984

Date:03.12.2020

To,
The Project Director,
PIU, NHAI, Visakhapatnam.

National Highways Authority of India
NHAI Enclave, NH16, Near VIMS Hospital, Hanumanthavaka,
Visakhapatnam, Andhra Pradesh 530040
Phone: 0891-27 07600; email:nhaipiuvsp@gmail.com



Sub: Consultancy services for Independent Engineer for supervision of Six laning of Anandapuram - Pendurthi - Anakapalli section NH 5 (New NH 16) from Km 681.000 to Km 731.780 (existing Km 742.400) (Design Length = 50.780 Km) in the state of Andhra Pradesh under Bharatmala Pariyojana on Hybrid Annuity Mode-**Recommendation for the issuance of slurry pipeline by M/s NMDC on NH-16 at Km 708+367-Reg.**

Ref:

- 1) NMDC Project Manager letter No/SPL/Phase-2/AP/2020/1195
- 2) CEMOSAARMENGE/IEAPA/NHAI/VSKP/2019-20/565
- 3) NHAI/PIU-VSKP/ADP-AKP/NMDC/2020-21/5810
- 4) DBL/NHAI/AP/DBLAAHPL/20-21/913
- 5) CEMOSAARMENGE/IEAPA/NHAI/VSKP/20-21/840

Dated:21.08.2020

Dated:05.03.2020

Dated:28.08.2020

Dated:30.11.2020

Dated:14.09.2020

Sir,

M/s NMDC limited has submitted a proposal seeking permission from Authority for laying of underground slurry pipe line at Km 708+367 for carrying iron ore vide above cited no(1). The same was informed by Authority to IE vide above cited no (3). Regarding this IE had wrote a letter to Concessionaire vide above cited no (2) seeking Concessionaire consent.

In continuation to this Concessionaire has given their reply mentioning some conditions for the further course of action. In view of all the above we are informing by the Authority kindly communicate the conditions notified by the Concessionaire to M/s NMDC limited for laying of slurry pipe line along with the provisions mentioned in NHAI circular. In this context we would like to notify that the documents submitted by M/s NMDC limited are in order.

This is for your information and further onward submission to the M/s NMDC Limited.

Yours truly

For Centro de Estudios de Materials y Control de Obra, SA in association with ARMENGE
Engineering and Management Consultants Pvt Ltd

M. Krupavaram
Authorized signatory

Copy To: The General Manager M/s DBL Anandapuram-Anakapalli Highway Pvt. Ltd.

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

DBL Anandapuram Anakapalli Highways Private Limited

(CIN No: U15309MP2018PTC045402)

Ref: No. DBL/NHAI/AP/DBLAAHPL/20-21/913

To,
The Independent Engineer,
CEMOSAARMENEGE Consultants Pvt Ltd,
Visakhapatnam, Andhra Pradesh

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

30th November 2020



Sub: - Six laning of Anandapuram-Pendurthi-Anakapalli Section of NH-5 (new NH-16) from Km.681.000 (Existing Km.681.000) to Km.731.780 (Existing Km.742.400) (Design Length=50.78 Km) in the State of Andhra Pradesh under Bharatmala Pariyojana on Hybrid Annuity Mode- **Condition Consent for laying of underground slurry pipeline for carrying iron ore concrete slurry pipeline project of M/s NMDC on NH-16 at km 708+367, Pinagadi (V), Pendurthi (M), Andhra Pradesh - Reg.**

Ref: 1. Concession Agreement dated 13th April 2018.
2. CEMOSAARMENEGE/IEAPA/NHAI/VSKP/20-21/840 dated 14th September 2020.

Dear Sir,

The Concessionaire is in receipt of your office letter (2) cited under reference, where in the Independent Engineer has communicated the proposal submitted by M/s NMDC Ltd., seeking permission to their laying of underground slurry pipeline e for carrying iron ore concrete (in slurry form) at km 708+367 in Pinagadi Village, Pendurthi. In this context, in accordance to the various rounds of discussion took place in between the Independent Engineer and the Concessionaire, we are herewith submitting conditions contingently as appended below;

1. The Proposal of laying 22" diameter Slurry Pipeline, 12" water pipeline and OFC duct of 150 mm diameter across km 708+380 chainage on NH-16 at Pinagadi (V), Pendurthi (M), shall be laid only below 1.5 m from OGL as per the Indian Standards Guidelines, so as to ensure that PRow crust shall not get disturbed.
2. The method to be followed for laying the Pipeline shall be HDD method (Horizontal Direct Drilling Method) below 1.5m from the Original ground Level (OGL).
3. The Tripartite Agreement for future maintenance and related permissions shall be executed between the Authority (NHAI) and NMDC Ltd before the commencement of the aforesaid works.
4. The Construction work program shall be submitted before the commencement of the work in such a manner that, it shall be acceptable to the Concessionaire.
5. Any delay in completion of the project due to delay in works pertaining to NMDC Ltd is wholly not attributable to the Concessionaire.
6. Any further maintenance in the Pipe laying works shall be done with prior approval of NHAI/ Concessionaire during the Concession Period.
7. Laying of Pipeline shall be planned in coordination with the Concessionaire project team to ensure that Concessionaire works shall not be hampered.



Project Office : Anandapuram – Anakapalli road project, Village- Neelakundilu, PO. Sontyam, PS. Anandapuram, Dist. Visakhapatnam, Andhra Pradesh-531173.

Registered Office : Plot No. 5, Inside Govind Narayan Singh Gate, Chuna Bhatti, Kolar Road, Bhopal-462016 (MP), Ph. No. 0755-4029999, Fax: 0755-4029998, E-Mail: db@dilipbuildcon.co.in

30th November 2020

8. Since the Highway Construction works at km 708+367 have completed, any damage to the UG cables and Project Construction works shall not be the responsibility of the Concessionaire. Further, any additional cost due to repair and maintenance shall be borne by NMDC Ltd.

As per Clause 11.3 of the Concession Agreement i.e. "...Where such access or use causes any financial loss to the Concessionaire, it may require the User of the site to pay compensation or damages as per Applicable laws...", it is proven that financial losses to the Concessionaire in

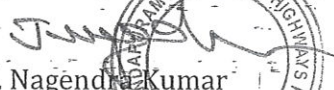
any form due to this issue shall be purely liable and payable by the M/s. Electronics Corporation of India Ltd.

In lieu of the above, we herewith request your good-office to review the above-said matter and onwards appraise the same to Authority thereof communicate with us for the further course of action.

Thanks, and assure our best services at all times.

Yours Faithfully,

For DBL Anandapuram Anakapalli Highways Private Limited,


J. Nagendra Kumar
General Manager

Copy to: 1. The Regional Office, National Highway Authority of India, Vijayawada, Andhra Pradesh
– for information, please.

2. The Project Director, NHAI-PIU, Hanumathawaka, Visakhapatnam, Andhra Pradesh -for
information and further needful action, please.



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 : L35100AP1958 GOI 001674

No./SPL/Phase-2/AP/2020/1195

Dt. 21.08.2020

To
The Project Director,
Project Implementation Unit,
NHAI Circle KM 2/8 NH-16
Hanumanthuvaka,
Visakhapatnam-530040.

NHAI	VSP
DGM (T)	
Mgr (T)	
Dy.M (T)	✓
PS(ML)	
PS(VL)	
PA(RVG)	
ACCTS	✓
SE	



Sub: - NHAI PIU VSP –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 708.367 of Pinagadi (Pendurthi) Visakhapatnam District in the state of AP – submitted additional information and documents – request for permission – Reg

Ref:- 1. Lr No. SPL/Phase-2/AP/2019/01 Dt.06.08.2019 of Project Manager Slurry Pipeline Project NMDC Ltd. Jagdalpur.
2. Your letter No. CEMOSAARMENGE/IEAPA/NHAI/VSKP/2019-20/565 Dt.05.03.2020

Sir,

With reference above cited letter at sl.no.2 the following documents are submitted here with for your kind reference and needful further action.


1. Methodology for crossing of Slurry pipeline and water pipe line along with OFC.
2. Method of Trenching and Cross Section of Trenchless Method.
3. Complete Affidavit.
4. Standard Technical Specifications for laying of underground slurry pipeline and water pipeline along with OFC.
5. Format of maintaining records of Right of Way permission Granting for laying of underground slurry pipeline and water pipe line along with OFC
6. The drawings should be detailed to indicate the exact details of existing as well as proposed laying of underground slurry Pipeline.
7. Specification Report.
8. License fee estimate to be corrected along with proposal.

4. Standard Technical Specifications for laying of underground slurry pipeline and water pipeline along with OFC.
5. Format of maintaining records of Right of Way permission Granting for laying of underground slurry pipeline and water pipe line along with OFC
6. The drawings should be detailed to indicate the exact details of existing as well as proposed laying of underground slurry Pipeline.
7. Specification Report.
8. License fee estimate to be corrected along with proposal.
9. Certification for undertaking for relocates service road/approach road/utilities (slurry pipeline along with water pipe line and OFC at his own cost.
10. Checklist

NMDC requests your good offices to kindly accord permission to lay the Slurry Pipeline and Water Pipeline along with OFC crossing of this road at said location.

Thanking you,

Yours faithfully,


21/06/2020

(M. Rajgopal)

Project Manager,

Phase-II, SPL Project,

Jagdalpur.

mrajgopal@nmdc.co.in

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. Carbon Steel casing pipe for laying OFC	
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	PINAGADI	
1.5	(Chainage in KM)	708.380	
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		
	(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	
1.12	Number of existing lanes (2/4/6/8 lanes).	6	
1.13	Proposed number of lanes (2 Lane with paved shoulders/4/6/8 lanes).	-	

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

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

1.14	Service road existing or not	YES	
	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, them 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, them mention the methodology proposed for the same.	NA	
1.19	If crossing of the road involved	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 National Highway, minimum distance being 15 meter.	20m	
	(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	

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

Prabhu Director
National Highways Authority of India
P.L.U. VISAKHAPATNAM

RAMUK TILA V.
GENERAL MANAGER
SLURRY PIPE LINE PROJECT
NMDC LTD., JAGDALPUR

	(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 veering 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)	NA	
	i.	Should not be greater than 60cm 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 15m from the center 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 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	

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	(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 surgance without a sudden change in the bearing value. Unsuitable soil and rock edged should be excavated be selected material	NA	
	(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	

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4.1	Confirmation of BG has been obtained or not as per MORTH/NHAI guidelines	YES	
5	Affidavit/ Undertaking from the Applicant for the following is to be furnished		
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 applicant.	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	

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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	
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 format		

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	(h)	"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 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		
	(a)	Where feasibility is availabe "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"		
	(b)	In case feasibility report is not available "I do certify that sufficient ROW is availabe at site for accommodating proposed six-lining		
8		If NH section proposed to be taken up by NHAI on BOT basis - a clause is to be inserted in the agreement. "The permitted Highway on which License has been granted the right to lay pipeline/duct has also been granted as a right of wa to the concessionaire under the concession agreement for up-gradation of [-----section from Km-----to Km-----of NH no.----- on Build: operate and transfer basis] and therefore, the license shall nonour the same."	YES	
9		Who will supervise the work of laying of Mineral Pipe Line		
	(a)	On behalf of the Applicant	NMDC appointed Third Party	
	(b)	On Behalf of the MoRTH/NHAI	Project Director, NHAI, PIU - Visakhapatnam	
10		Who will ensure that the defects in road portion after laying of Mineral Pipe line are corrected then what action will be taken		
	(a)	On behalf of the Applicant	General Manager, Slurry Pipeline Project, NMDC Ltd, Bailadila bhavan, Geedam road, Jagdalpur,494001,Chhattisgarh	
	(b)	On Behalf of the NHAI	Project Director, NHAI, PIU - Visakhapatnam	

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11	Who will pay the claims for damage done/disruption in working of concessionaire if asked be the concessionaire on behalf of the applicant	General Manager, Slurry Pipeline Project, NMDC Ltd, Bailadila bhavan, Geedam road, Jagdalpur, 494001, Chhattisgarh	
12	A certificate from PD that the will enter the proposed permission in the register of record of the permission in the prescribed proforma (copy enclosed)	YES	
13	If any various approvals are accorded for laying of underground mineral pipe line then Photocopy of register of records of permission accorded (as maintained by PD) be enclosed.	YES	

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SPECIFICATION REPORT

Specification report to accompan the estimate towards "License Fee" for crossing of Slurry Pipeline and water pipeline along with OFC at Km 708.380 chainage on NH-16 at Pinagadi Village of Pendurthi Mandal in Visakhapatnam District, Andhra Pradesh. by M/s NMDC Ltd, Hyderabad.

Estimate Amount: Rs. 1,18,749.77


The Project Manager, Phase-II/SPL, M/s NMDC Ltd vide letter No. SPL/Phase-2/AP/2019/01 dated 06.08.2019 have requested to issue permission for crossing of Slurry Pipeline and water pipeline along with OFC at Km 708.380 on NH-16 at Pinagadi village, Pendurthi Mandal of Visakhapatnam district, Andhra Pradesh by M/s NMDC Ltd, Hyderabad.

The rate of land abutting NH/SH/ZPP/MPP obtained from the website of registration and stamp department, Government of Andhra Pradesh is used for calculation of the License fee. The list of villages falling in the proposed stretch, corresponding chainage and breakup of village wise land rates are as follows:

S.No.	Name of the Village	Chainage (Km)	Length (m)	Rate of land Abutting NH	
		at		Per Acre	Per Sq.mtr
1	Across the NH in Pinagadi	708.380	60.00	42,00,000	1,037.841

The land rate corresponding to the chainage is used for calculation of License fee.

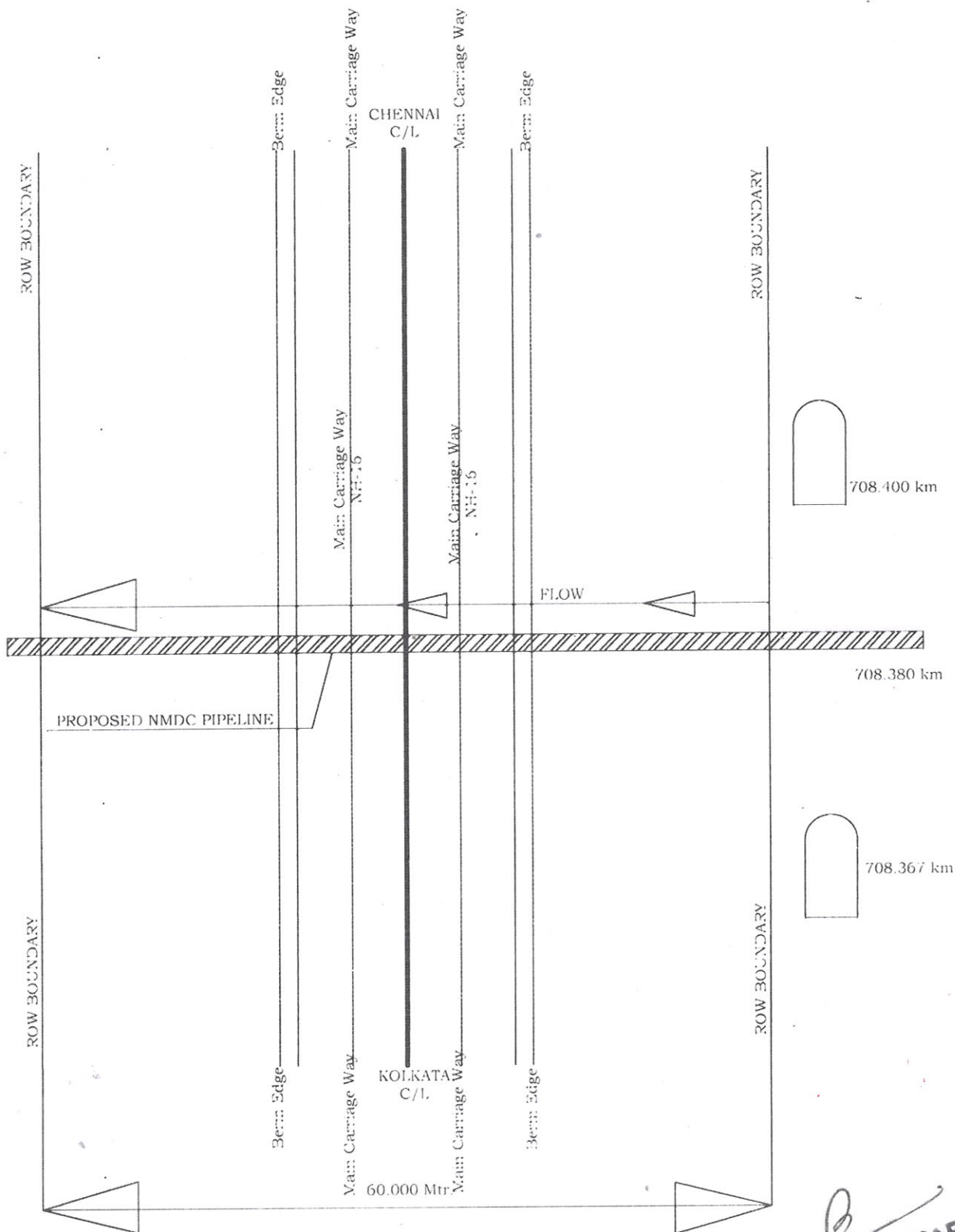
Hence, the License fee estimate is prepared as per MoRTH circular Memo No. RW/NH/33044/29/2015/S&R(R), dated 22nd Nov, 2016.


General Manager/Nodal Officer
Slurry Pipeline Project, NMDC Ltd
Jagdalpur

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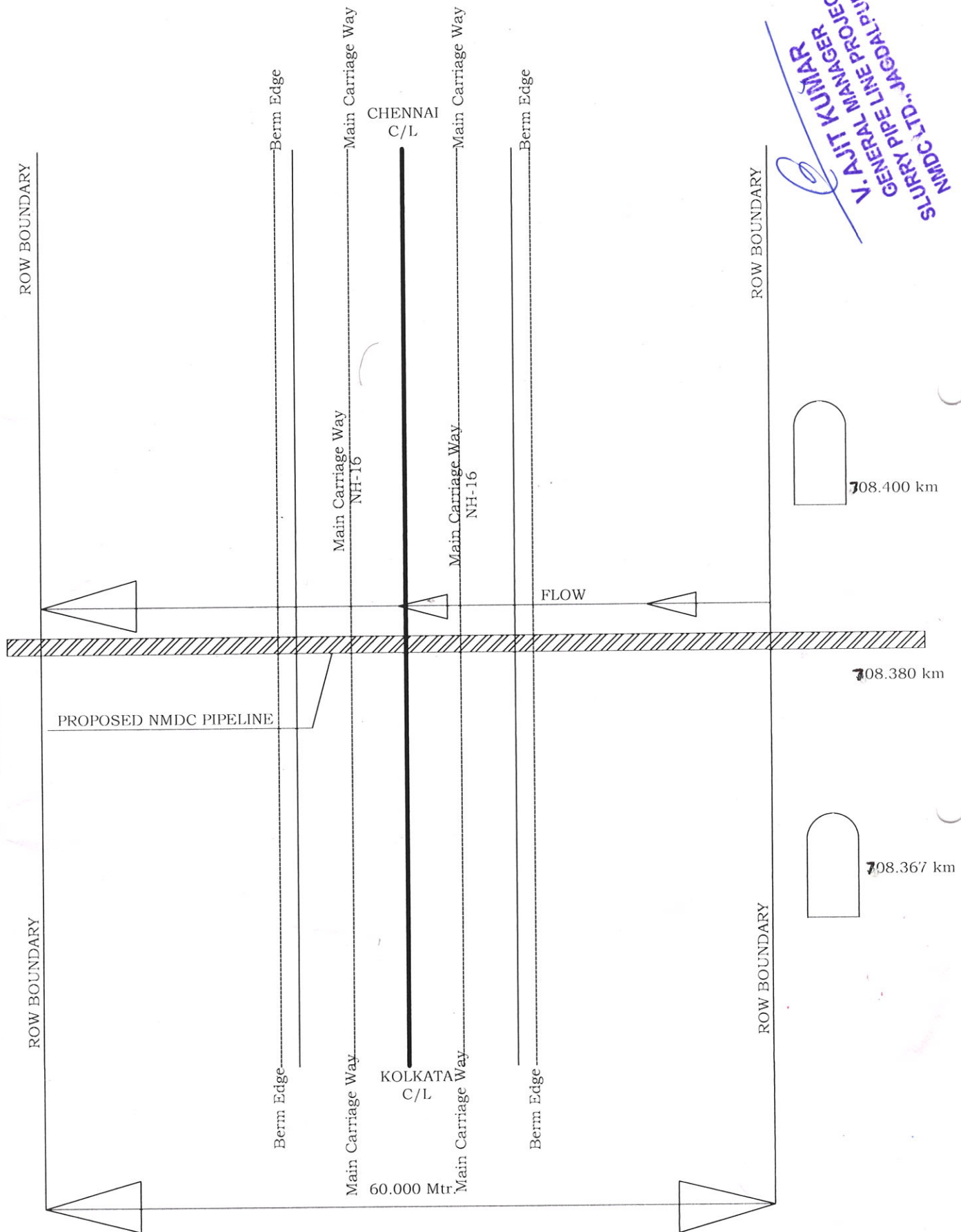
Project Director
NHAI

DETAILED DRAWING OF SLURRY PIPELINE CROSSING NATIONAL HIGHWAY ROAD



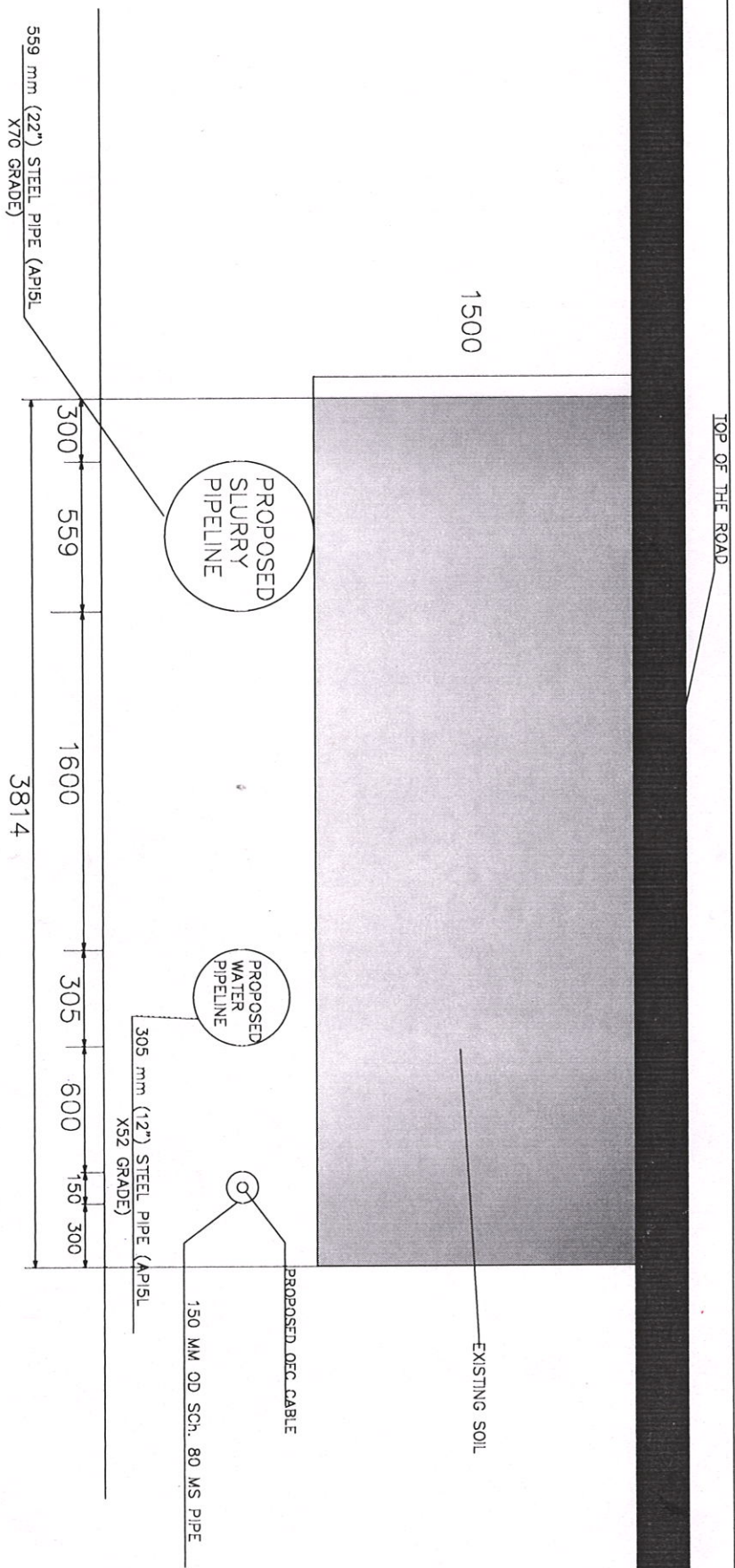
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 SLURRY PIPE LINE PROJECT
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DETAIL DRAWING OF SLURRY PIPELINE CROSSING NATIONAL HIGHWAY ROAD



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



NOTE: 1. ALL DIMENSIONS ARE IN MILLIMETER

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