

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

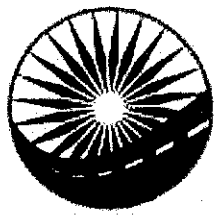
(Ministry of Road Transport and Highways, Govt. of India)

क्षेत्रीय कार्यालय \ REGIONAL OFFICE

ई-2/167, अरेरा कॉलोनी, हबीबगंज रेलवे स्टेशन के पास, भोपाल (म.प्र.) 462 016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.)-462 016

दूरभाष/Phone : 0755-2426638, फैक्स/Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

NHAI/RO-MP/IND/Pipe line/NH-347BG/Chhaigaonmakhan LIS/2020/ 38586

Date: 13.03.2020

Invitation of Public Comments

Sub: Permission of 12 number road crossing Indore-Icchapur for water pipeline pertaining to Chhaigaonmakhan Lift Irrigation Scheme, Khandwa for NH-347BG – Reg.

Ref: PD, PIU-Indore letter no. NHAI/PIU/IND/Indore-Edlabad/Water Pipeline/2020/255 dated 05.02.2020.

Vide above reference proposal for Permission of 12 number road crossing Indore-Icchapur for water pipeline pertaining to Chhaigaonmakhan Lift Irrigation Scheme, Khandwa for NH-347BG.

2. As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the Highways Administrator will make available the proposal seeking permission for utility laying for public comments for 30 days on ground of public interest.

3. In view of the above the comments of public are invited on captioned proposal (copy of application is enclosed) and the same should reach to below mentioned address till 13.04.2020 beyond which no comments will be considered.

The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-2/167, Arera Colony,
Near Habibganj Railway Station,
Bhopal (MP)-462016
E-mail ID:robhopal@nhai.org

4. This issues with the approval of Regional Officer cum Highway Administration.


(R.K. Gupta)
DGM (Tech.)

Copy to:

- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, PIU-Indore for information.
- The Office of the Executive Engineer, N.D. Division No.13 Khandwa for information & to make correction the depth, that should be more than 2.40m.

Office of Executive Engineer

N.D. Division No. 13 Khandwa

Ph. No. 0733-2226665

Email ID: eenvda13knw@yahoo.com

Memo No. 1888/W/CMLIS-09

Khandwa dated 31/10/2019

To,
Regional Officer
National Highway Authority of India
Obedulla Ganj Rd, Arera Colony
Bhopal - 462016

Sub: Permission of 12 number road crossing Indore – Icchapur for water pipeline pertaining to Chhaigaonmakhan Lift Irrigation Scheme, Khandwa for NH 347BG.

Ref:- 1) NHAI PIU Indore letter no. NHAI/PIU/IND/I-E/OFC/2019/2615 Dated 06-09-2019

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With reference to above subject, we are herewith submitting the proposal as per applicable guideline issued by Ministry of road transport and highway vide letter no. RW/NH33044/29/2015/S&R (R) Dated 22-11-2016 in favour of needful action please.

Encl: 1) Check list

2) Draft Agreement

3) Undertaking

4) Certificate

5) Plan of 12 number road crossing from KM 97+600 to KM 122+660 REG of national highway NH347BG.

6) Cross section drawing of cross pit by horizontal direction drilling (HDD) method.

7) Fees calculation sheet.

[Signature]
Executive Engineer
N.D. Division No. 13
Khandwa

Endt. No. 1889/W/CMLIS-9/2019

Khandwa Dated 31/10/2019

Copy forwarded to -

- 1) Superintending Engineer Narmada Valley Development circle no. 8 Sanawad, for information and necessary action.
- 2) M/s Larsen & Toubro Limited near krishi upaj mandi Chhaigaonmakhan Lift Irrigation Scheme Khandwa for necessary action for getting permission from NHAI.



[Signature]
Executive Engineer
N.D. Division No. 13
Khandwa

CHECK LIST

(NH 347 BG connecting Deshgaon, Sanawad, Barwaha and (Bhawarkua Chowk) at Indore in the State of Madhya Pradesh)

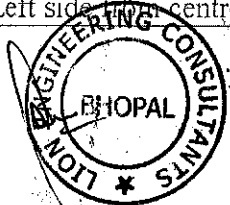
Proposal for getting approval for laying of "Irrigation water pipeline" in Khandwa district by M/s.Narmada Valley Development Authority across NHAI ROW of NH- 347BG crossing at 12 locations at Chainage from Km. 97.6 to Chainage Km 122.66

CHECK LIST FOR GETTING APPROVAL FOR LAYING OF WATER PIPELINE ON NH LAND

Relevant Circular

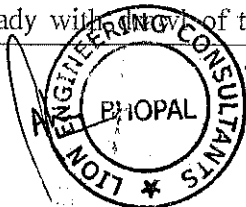
MoRT&H Guidelines vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22nd November, 2016

Sr. No.	Item	Information/Status	Remarks
1	General Information	Permission of crossing of Irrigation water pipe line at 12 locations at Chainage from Km. 97.6 to Chainage Km 122.66 on NH 347BG	
1.1	Name and Address of the Applicant	Narmada Valley Development Authority, N D Division No. 13, Khandwa, Madhya Pradesh	
1.2	NH/SH/MDR Number	NH 347BG	
1.3	State	Madhya Pradesh	
1.4	Location	Details RD Wise enclosed	
1.5	Chainage in KM	Roshiya RD 97.60 km Roshiya RD 99.28 km Torni RD 102.32 km Torni RD 103.26 km Deshgaon RD 106.17 km Deshgaon RD 106.27 km Bhojakhedi RD 109.21 km Bhojakhedi RD 110.92 km Chhaigaonmakhan RD 112.01 km Chhaigaonmakhan RD 115.66 km Mokalgaoon RD 118.85 km Chamat RD 122.66 km	
1.6	Length in Meters		
1.7	Width of the available ROW	Existing ROW	
	a) Left side from centre line towards increasing Chainage/Km direction	15 mtr	
	b) Right side from the centre line towards increasing Chainage/Km direction	15 mtr	
1.8	Proposal to lay underground water pipeline		
	a) Left side from centre line towards increasing Chainage/Km direction)	Not Applicable	
	b) Right side from the centre line towards increasing Chainage/Km direction	Not Applicable	
1.9	Proposal to Acquire land		
	a) Left side from centre line	Not Applicable	



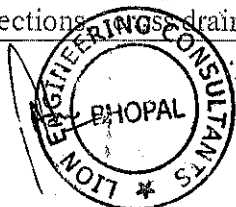
[Signature]
Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

	b) Right side from the centre line	Not Applicable	
1.10	Whether proposal is in the same side Where land is not to be acquired.	Not Applicable	
	If not then Where to lay water pipeline	Across the road	
1.11	Details of already laid services, If any along the proposal route	Not available	
1.12	Number of lanes(2/4/6/8) existing	2 Lanes	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lane)		
1.14	Service road existing or not	Not existing	
	If yes then which side		
	(a) Left side from centre line		
	(b) Right side from the centre line		
1.15	Proposed service road	Not Applicable	
	(a) Left side from centre line		
	(b) Right side from the centre line		
1.16	Whether proposal to lay water pipeline is beyond service road of between the service road and carriageway	Not Applicable	
1.17	Whether carrying of water pipeline has been proposed on highway bridges. If yes, then mention methodology proposed for the same.	No	
1.18	Whether carrying out the water pipeline has been proposed on the parapet / any part bridges. If yes, then mention methodology proposed for the same.	No	
1.19	Is crossing of the road involved, if yes, it shall be either encased in pipelines or through structure or conduit specially built for the purpose at the expenses of the agency owning the line	Yes, at 12 locations	
	(a) Whether existing drainage structure are allowed to carry the water pipelines	No	
	(b) Is it on a line normal to NH	Yes	
	(c) What is the distance of crossing the utility pipelines from the existing structure. Crossing shall not be too near the existing structure on the NH. The minimum distance being 15 meter.	Not applicable	
	(d) The casing pipe (or conduit pipe in case of electric cable) 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	Steel casing pipe as per IS 3589	



M. Paraste
Executive Engineer
 N. D. Division No. 13
 KHANDWA (M.P.)

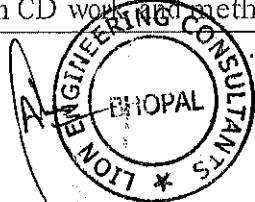
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	Yes	
	(f) The casing/conduit pipe should, as minimum extend from drain in cuts and toe of slope to of slope in the fills	Yes	
	(g) The top of the casing/conduit pipe should be at least 1.2m below the surface of the road subject to being at least 0.3m below the drain inverts. Mention the proposed details	Minimum 1.2 meters below the existing road level and shall be at minimum 0.3m below the drain inverts	
	(h) Mention the methodology proposed for crossing of road for proposed water pipeline. Crossing shall be by boring method (Trenchless technology) specially where the existing road pavement is of cement concrete or dense bituminous concrete type	Trenchless Technology method	
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	Yes.	
2	Document/Drawing enclosed with the proposal	Yes, Enclosed	
2.1	Cross section showing the size of the trench for open trenching method (if it is normal size of 1.2 deep x 0.3m wide) (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 carriage way (iii) Shall not be permitted to run along the National Highway when the road formation is situated in double cutting nor shall these be laid over existing culverts and bridges (iv) These should be so laid that their top is at least 0.6m below the ground level so as not to obstruct drainage of the road land	Not Applicable	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes, Enclosed	
2.3	Strip plan/route plan showing water supply pipeline, Chainage, width of ROW, distance of proposed water pipeline from the edge of ROW, important milestone, intersections, drainage works etc.	NA	



M. Paraste

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N. D. Division No. 13
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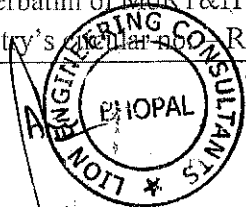
2.4	Methodology for laying of water supply pipe line	By trenchless technology	
2.4.1	Open trenching method (may be allowed in the utility corridor only where payment is neither cement concrete nor dense bituminous concrete type) if yes methodology or refilling of trench:	Not Applicable	
	(a) The trench width should be at least 30cm but not more than 60m wider than the outer diameter of the pipe	Not Applicable	
	(b) For filling of the trench. Bidding shall be to 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 sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material	Not Applicable	
	(c) The backfill shall be completed in two i. Side fill to the level the top of the pipe and ii. Overfill to the bottom of the road crust	Not Applicable	
	(d) The side fill shall consist of granular material laid in Yes 15m layers each consolidated by mechanical tempering And controlled additional of moisture to 90% of the proctor's density over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted	Not Applicable	
	(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 dip at the trench	Not Applicable	
	(f) The excavation shall be protected by flagman signs and barricades and red light during the night hours	Not Applicable	
	(g) If required, a diversion shall be constructed at the expense of the agency owning utility line.	Not Applicable	
2.4.2	Horizontal Directional drilling (HDD) method	Yes	
2.4.3	Methodology for laying of water pipeline through CD work method laying. Incase	Not Applicable	



M. Parashar

Executive Engineer
N. D. Division No. 13
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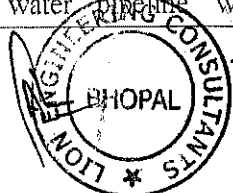
	where the carrying of water pipeline on the bridge becomes inescapable		
3	Draft license agreement signed by two witnesses	Yes, Enclosed	
3.1	The licensee fee estimate as per Ministry's guideline issues vide circular no. – RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 is obtained		M/s. NVDA for the same as per NHAI requirements
4	Whether performance bank guarantee as per Ministry's circular no. – RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 is obtained.		M/s. NVDA for the same as per NHAI requirements
4.1	Confirmation of BG has been obtained or not as per MoRT&H / NHAI guidelines.		M/s. NVDA for the same as per NHAI requirements
5	Affidavit/undertaking from the applicant for the following is to be furnished	Yes, Enclosed	
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, Enclosed	
5.2	Undertaking for renewal of bank guarantee as and when asked by MoRT&H / NHAI	Yes, Enclosed	
5.3	Undertaking for confirmation all standard condition of Ministry circular & NHAI's Guidelines	Yes, Enclosed	
5.4	Undertaking for Indemnity against all damages and claims	Yes, Enclosed	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic	Yes, Enclosed	
5.6	Undertaking if any claim is raised by the Concessionaire / contractor then the same has to be paid by the applicant	Yes, Enclosed	
5.7	Undertaking the prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs of alteration to be the utility located in the national highways right-of-ways	Yes, Enclosed	
5.8	Undertaking the expenditure, if any, incurred by NHAI for repairing any damage caused to the national highway by the laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the utility line.	Yes, Enclosed	
5.9	Undertaking that text of the text of license deed is as per verbatim of MoRT&H format issued vide Ministry's circular no. RW/NH-	Yes, Enclosed	



M. D. Div. 13

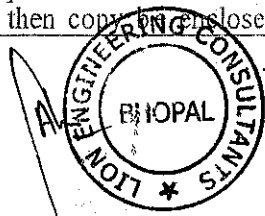
Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

	33044/29/2015/S&R(R) dated 22.11.2016 is obtained.		
5.10	Undertaking that the applicant has obtained various safety clearances from the respective authorities such as directorate of Electricity, PESO, OISD, State / Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway administration	Not Applicable	
5.11	If the MoRT&H / NHAI consider it necessary in future to remove the utility line for any work of improvement or repairs to the road, it will be carried out as desired by NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, Enclosed	
5.12	Certificate from the applicant in the following format		
	i) Laying of water pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic	Yes, Enclosed	
	ii) "we do undertake that I/We will relocate the water pipeline at our own cost notwithstanding the permission granted within such time as well be stipulated by NHAI" for future six lanning or any other development	Yes, Enclosed	
6	Who will sign the agreement on behalf or water pipe line agency	Executive Engineer, N D Division No. 13, Khandwa	
	Power of attorney to sign the agreement on behalf of water pipeline agency		
7	Certificate from the Project Director:		
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 is obtained.		
7.2	Certificate from PD in the following format (Yes/No): i) "It is certified that any other location of the water pipeline would be extremely difficult and unreasonable costly and the installation of water pipeline with in ROW will not		



Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

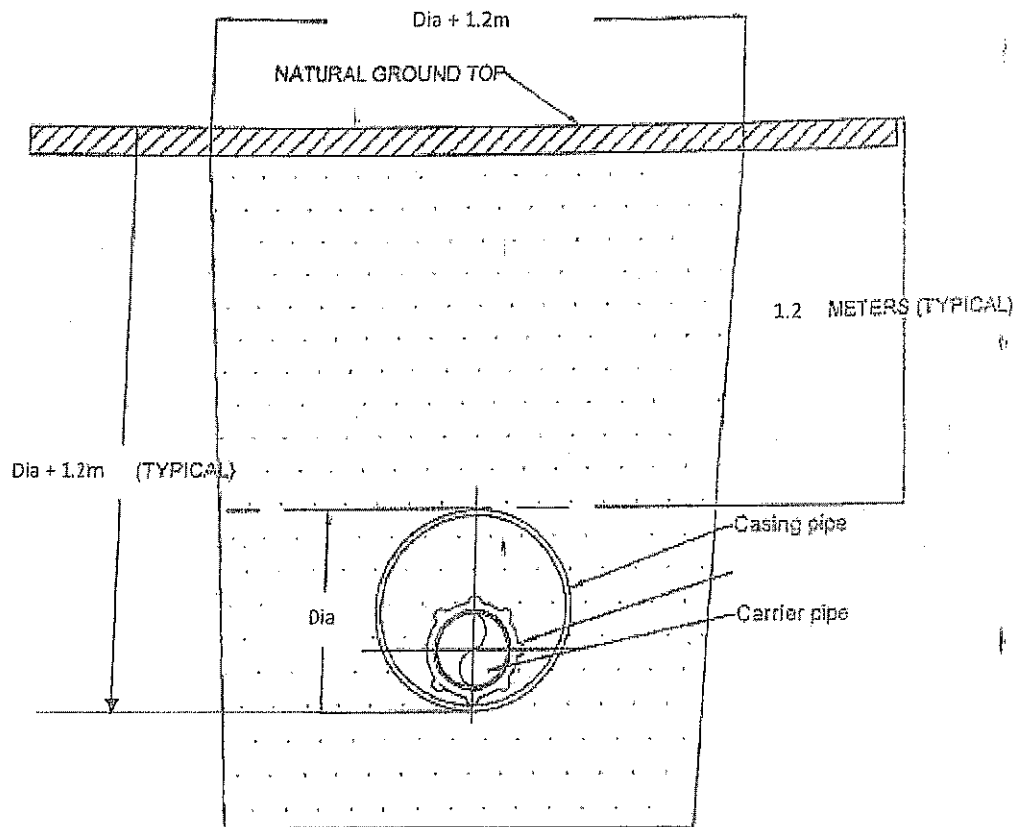
	adversely affect the design stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway easing of curve etc".		
	ii) For 2/4/6 lanning		
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed two/four/six lanning based on the feasibility report considering proposed structure at the said location"		
	(b) In case feasibility reports is not available - "I do certify that sufficient ROW is available at site for accommodating proposed two/four/six lanning"		
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 licensee has been granted the right to lay pipeline has also been granted as a right to way to the Concessionaire under the concession agreement for up gradation of (----- section from Km ----- to Km ----- of NH no. 347BG on build, operate and transfer basis) and therefore the licensee shall honour the same"		
9	Who will supervise the work of laying of water pipeline		
	(a) On Behalf of applicant	Executive Engineer, N D Division No. 13, Khandwa	
	(b) On Behalf of MoRT&H/NHAI		
10	Who will ensure, that the defects in road portion after laying of water laying of water pipeline are corrected and if not corrected then what action will be taken ?		
	(a) On Behalf of applicant	Executive Engineer, N D Division No. 13, Khandwa	
	(b) On Behalf of MoRT&H/NHAI		
11	Who will pay the claims for damages done/disruption in working of Concessionaire, if asked by the Concessionaire	Applicant	
12	A certificate from PD that he will enter the proposed permission in the register records of the permission in the prescribed proforma (copy enclosed)		
13	If any previous approval is accorded for laying of underground water pipeline then photo copy of register of records of permission accorded (as maintained by PD) then copy enclosed	Not Applicable	



M. P. Parashar

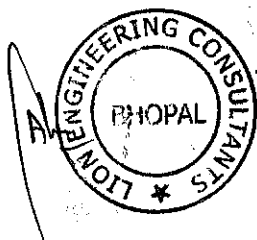
Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

CROSS SECTION DRAWING CROSSING PIT (TYPICAL) BY
HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD



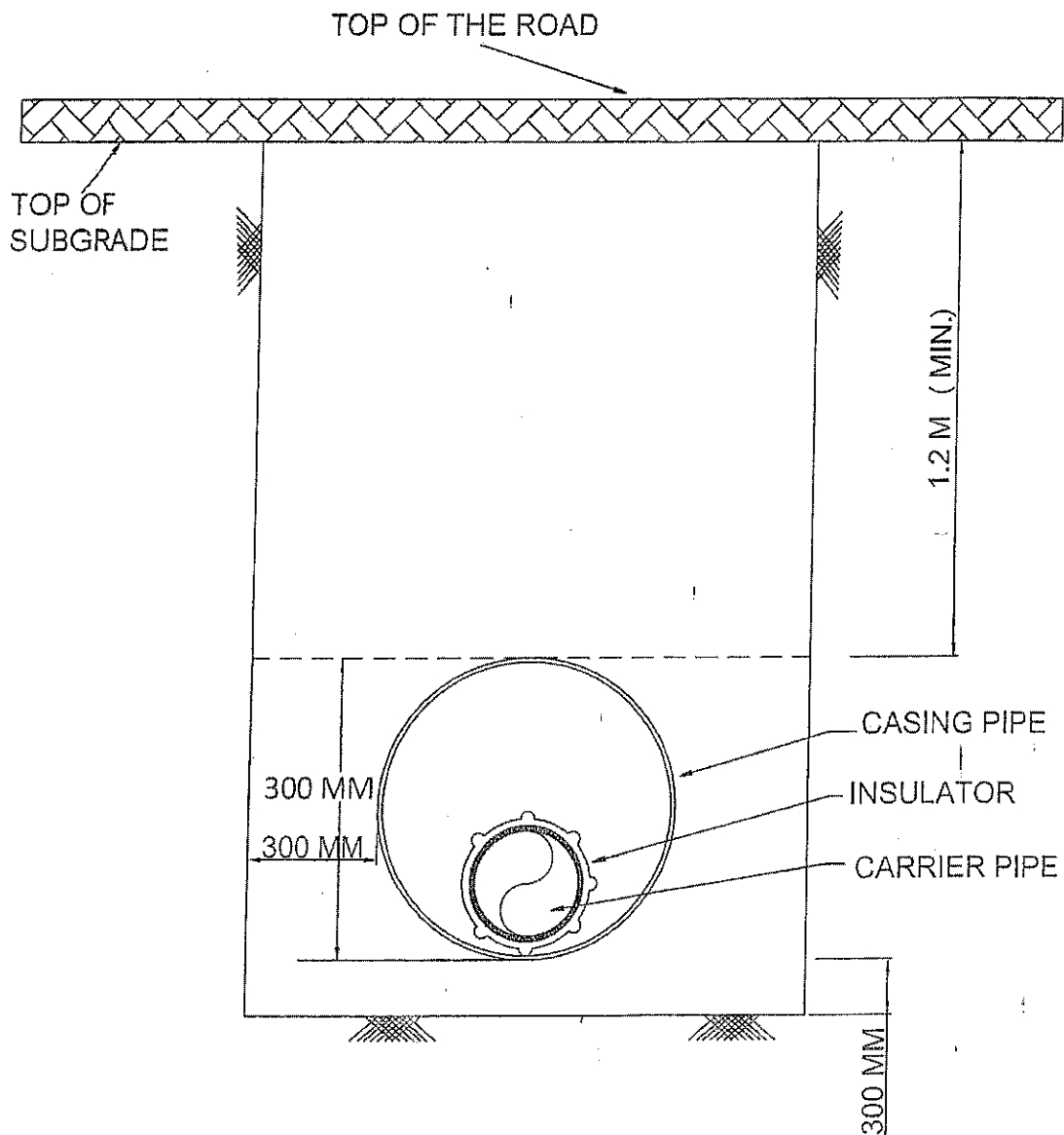
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Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)



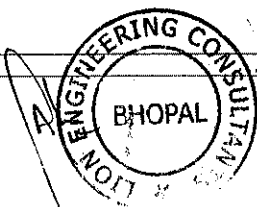
CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

Roshiya RD 97.60 km 81



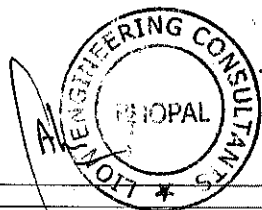
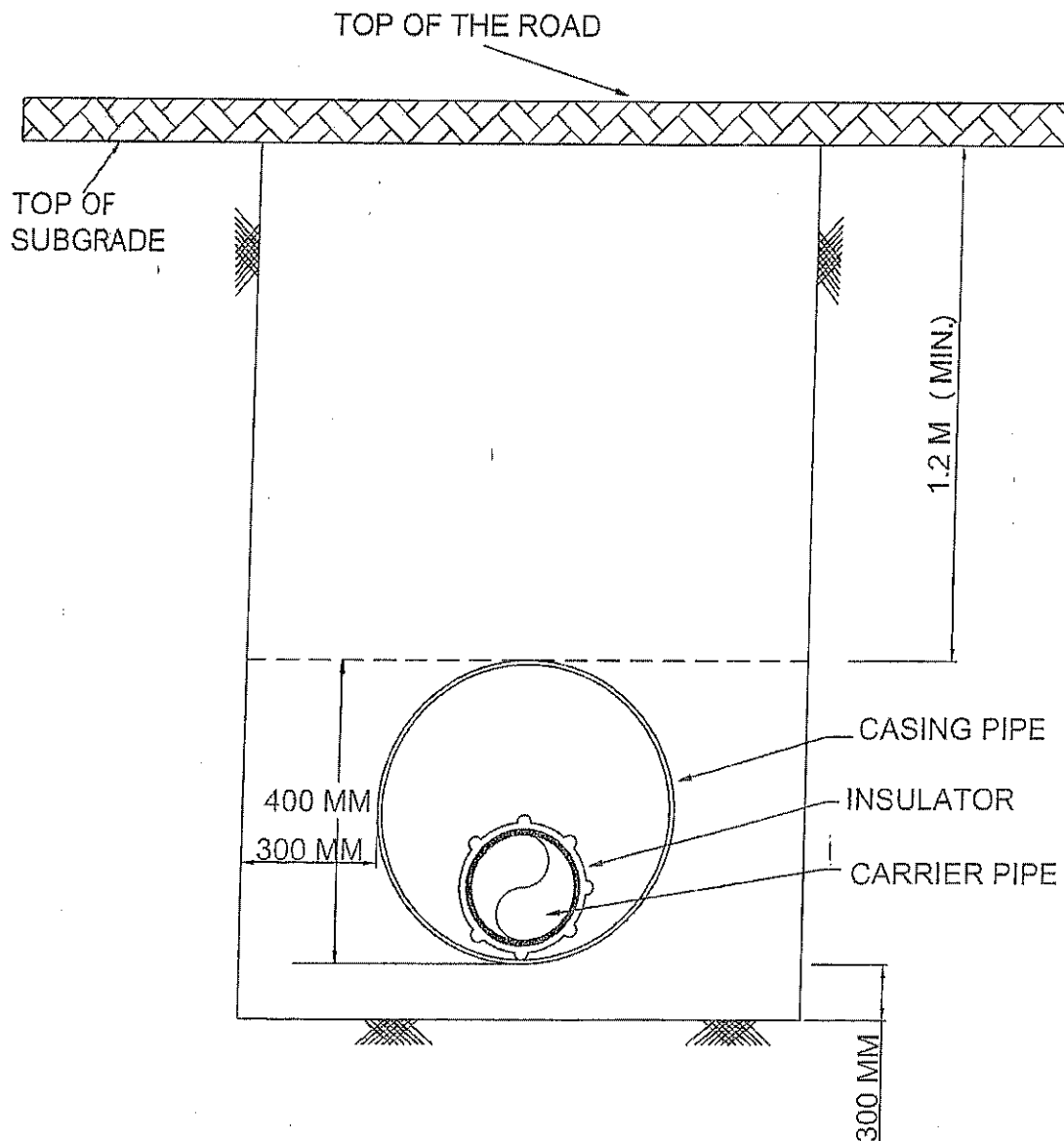
M. Paraste

Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)



CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

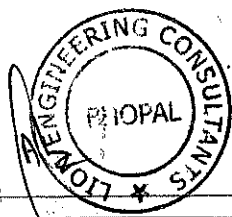
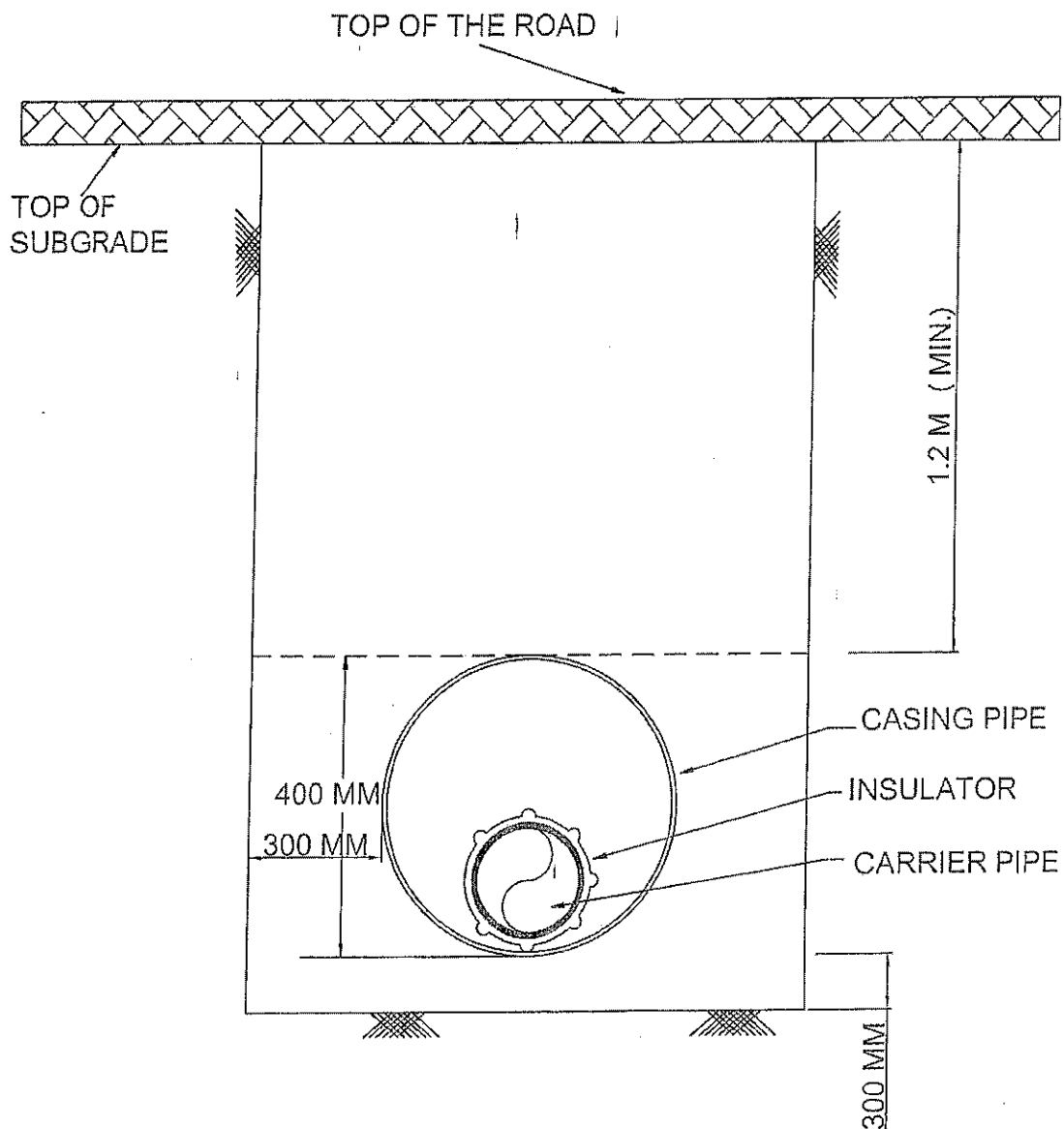
Roshiya RD 99.28 km R2



M. Karast
Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

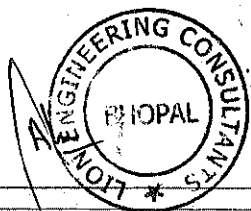
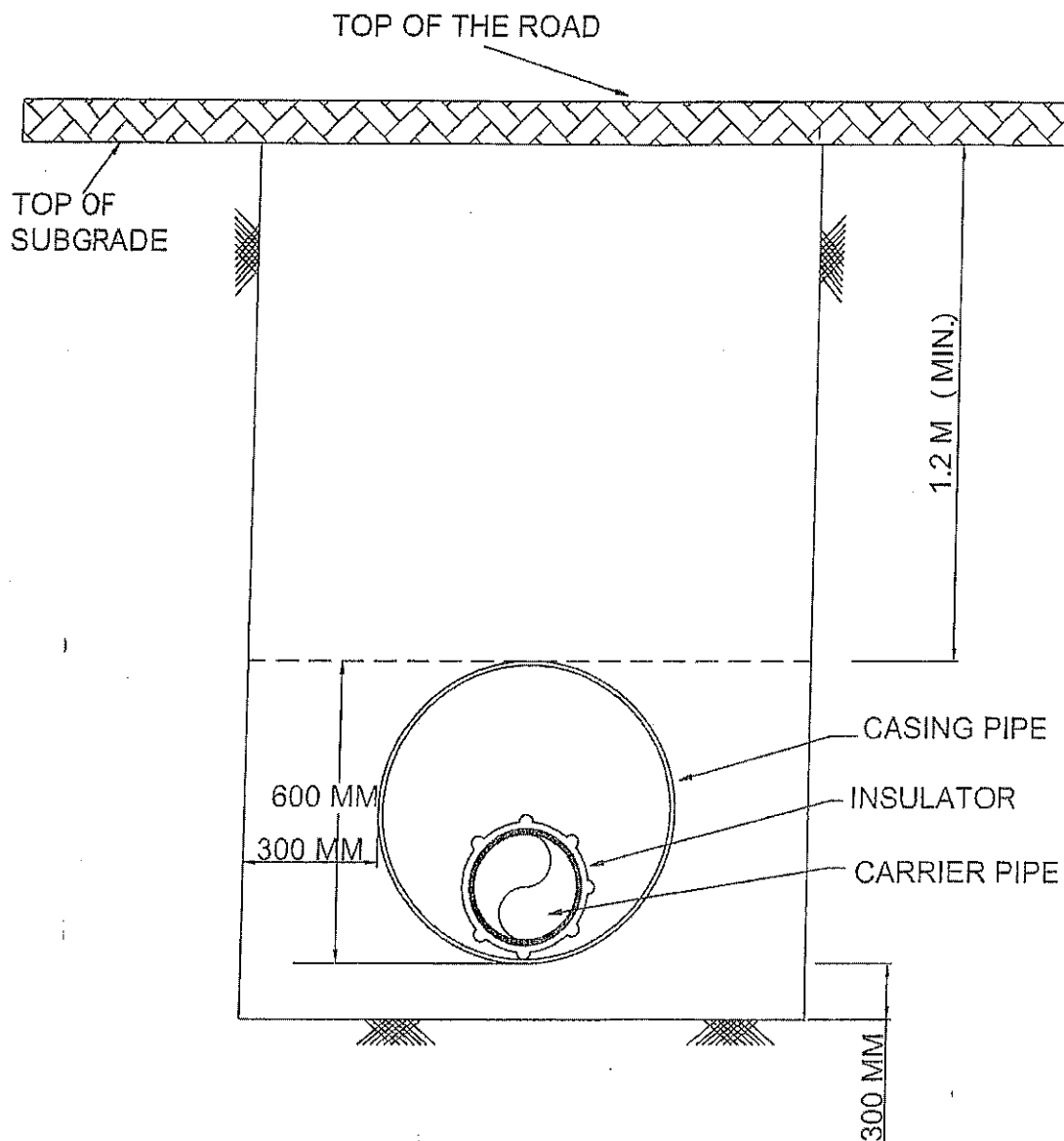
Torni RD 102.32 km R3



M. Paraste
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KHANDWA (M.P.)

CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

Torni RD 103.26 km R4

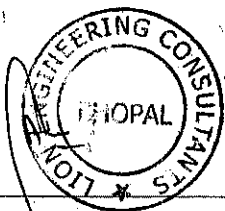
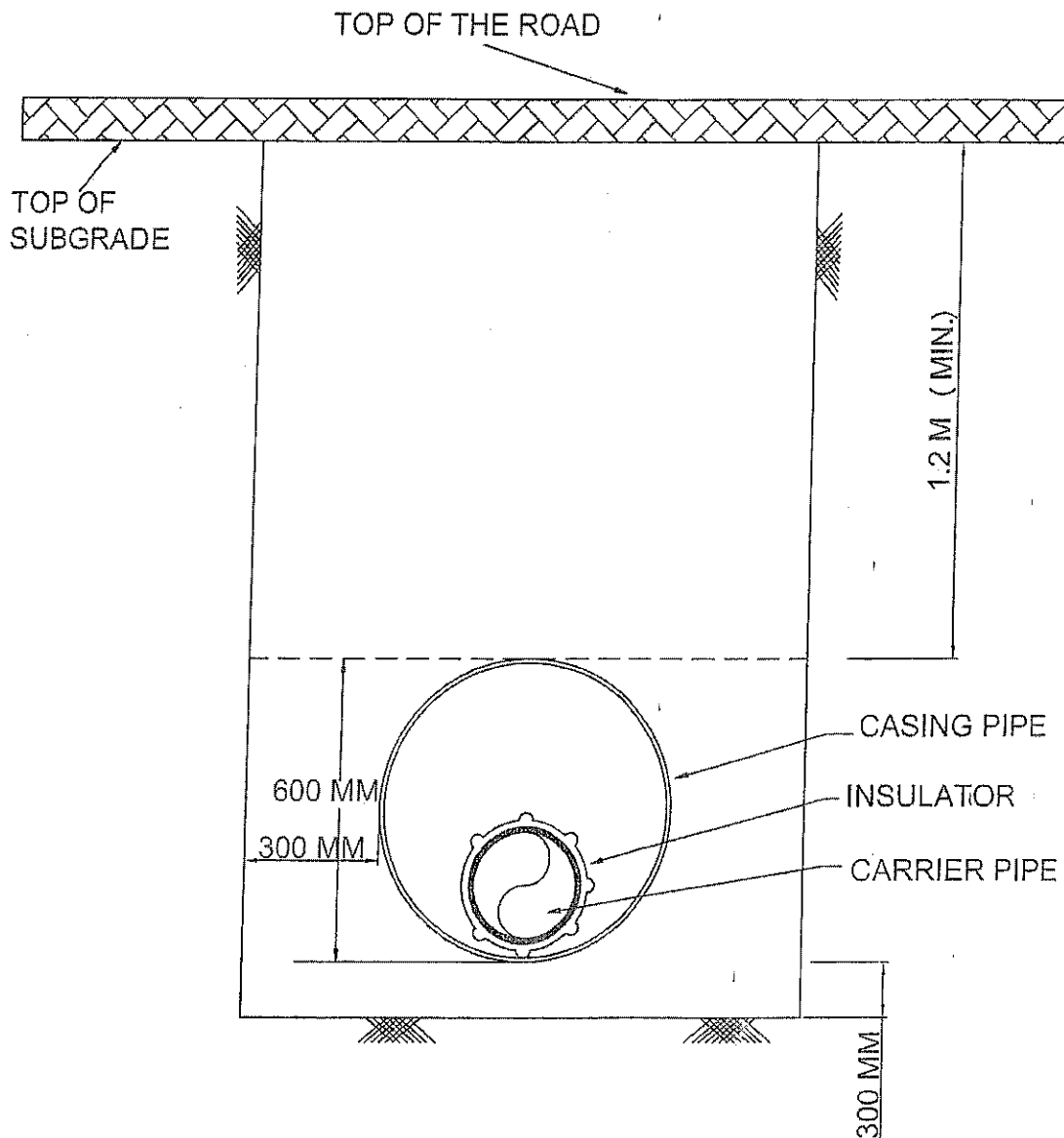


M. Enaste

Executive Engineer
N. D. Division No. 13
KAYANDWA (M.P.)

CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

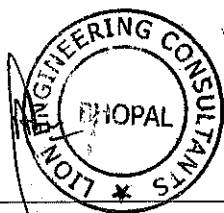
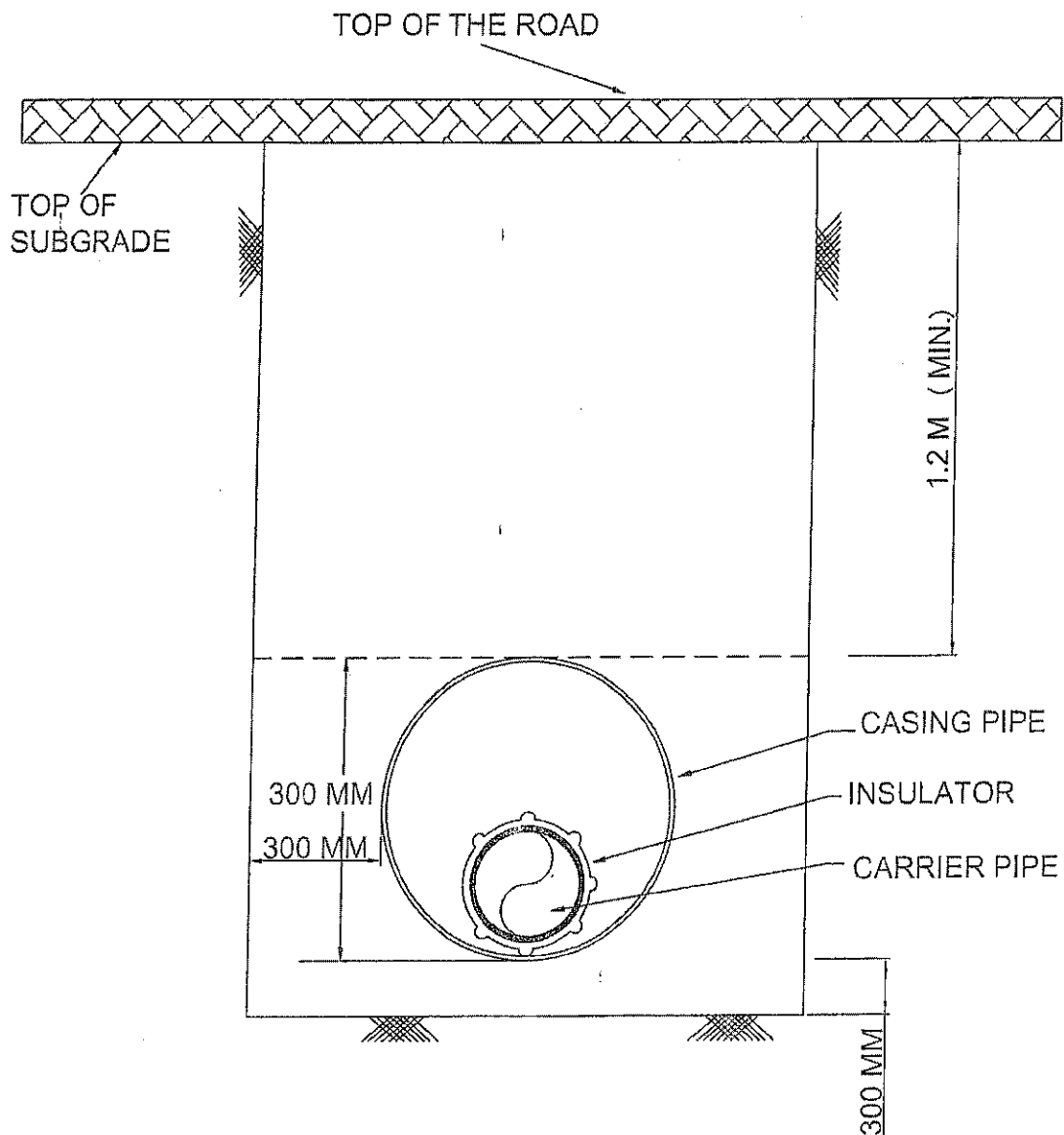
Deshgaon RD 106.17 km 25



M. Parash
Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

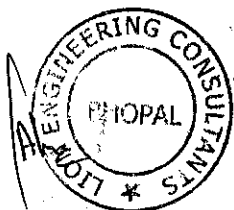
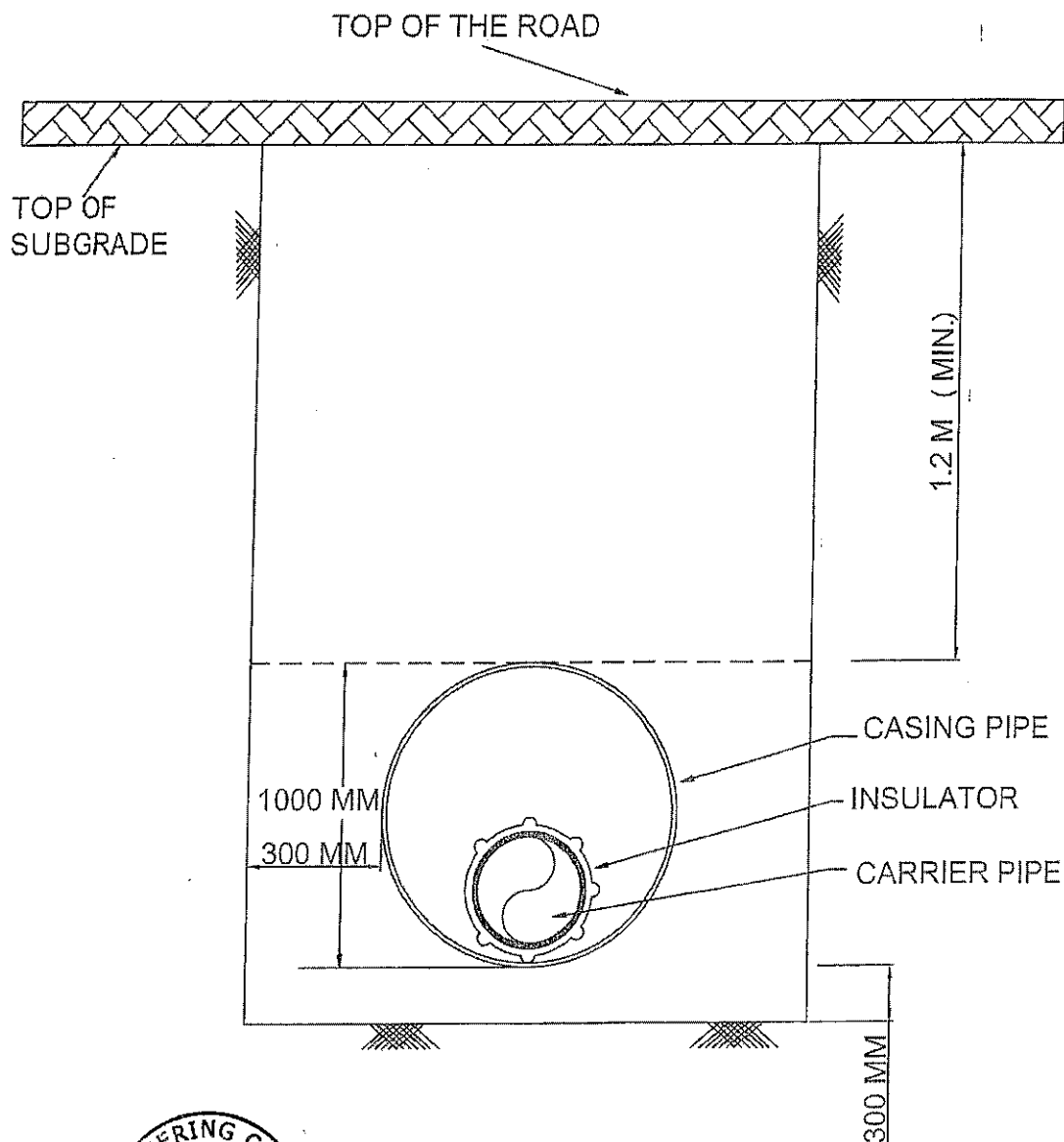
Deshgaon RD 106.27 km R6



M. Parashar
Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

Bhojakhedi RD 109.21 km RZ

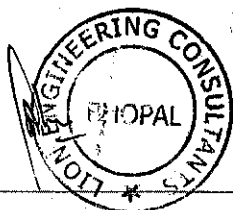
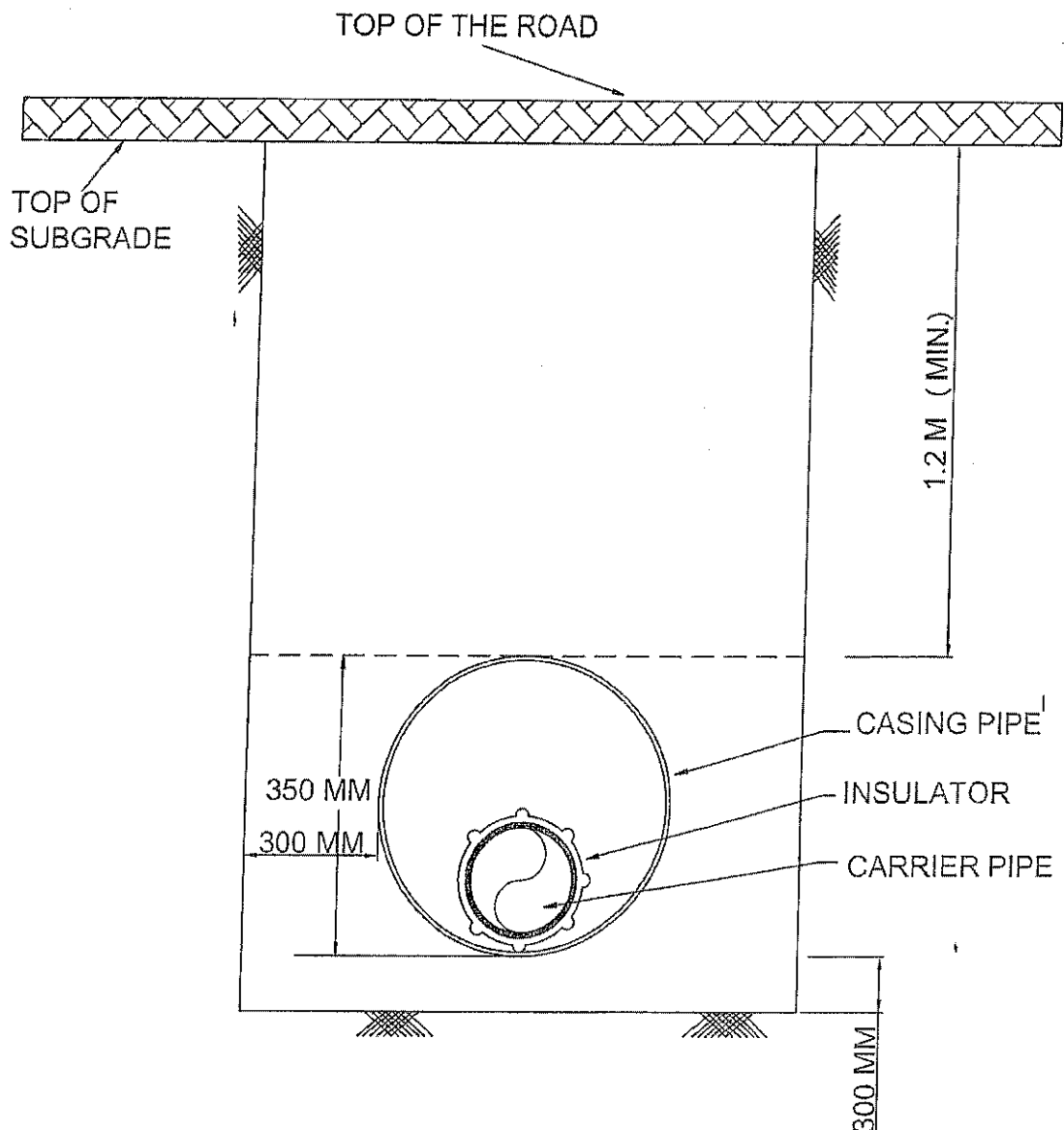


M. Karasik

Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

Bhojakhedi RD 110.92 km R 8

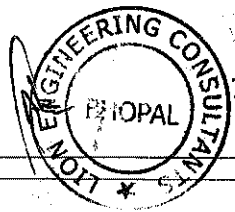
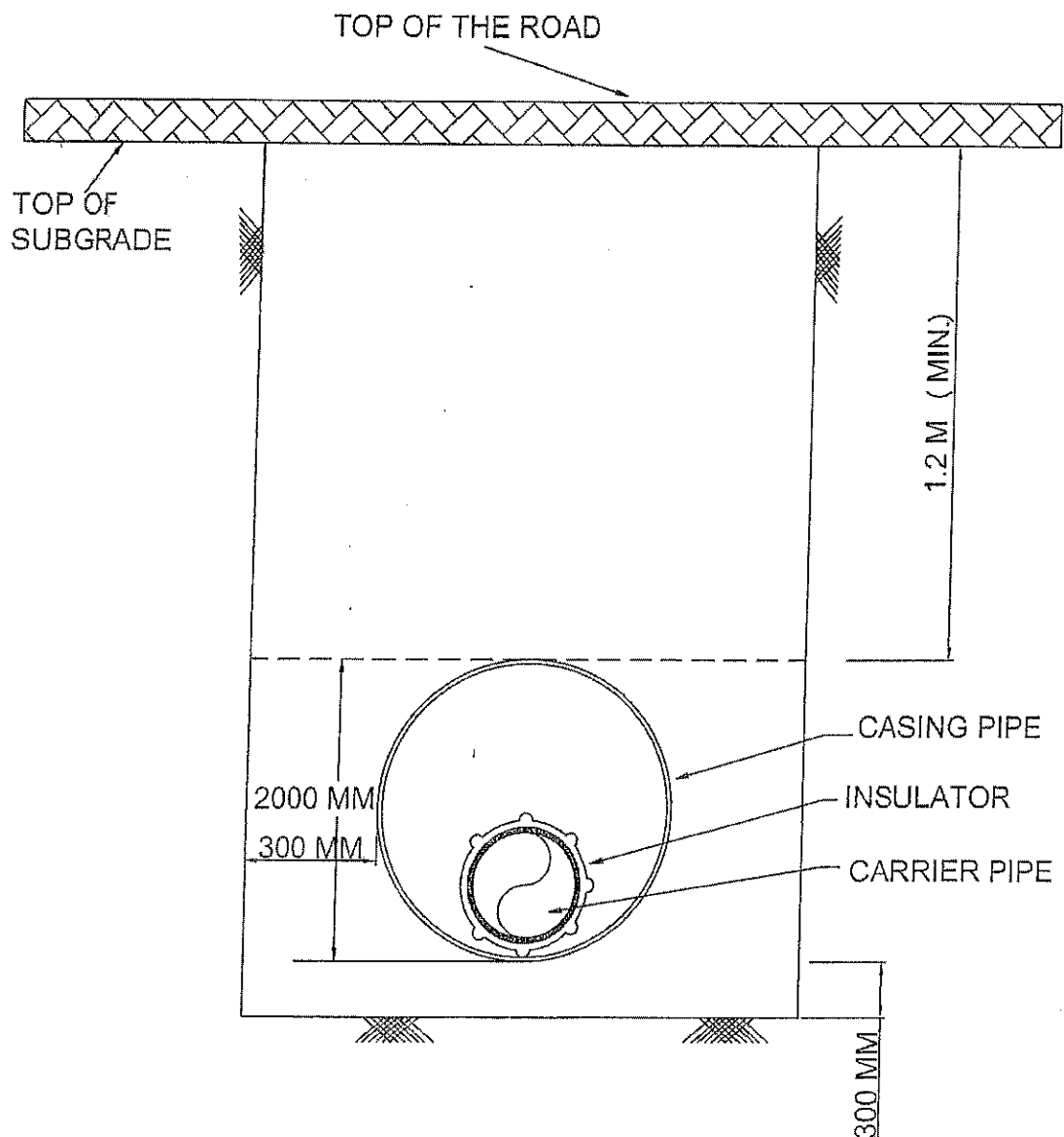


M. Narasimha

Executive Engineer
N. D. Division No. 13
KHANDWA (M.P.)

CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

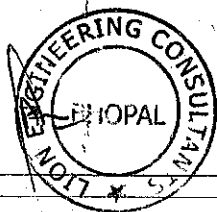
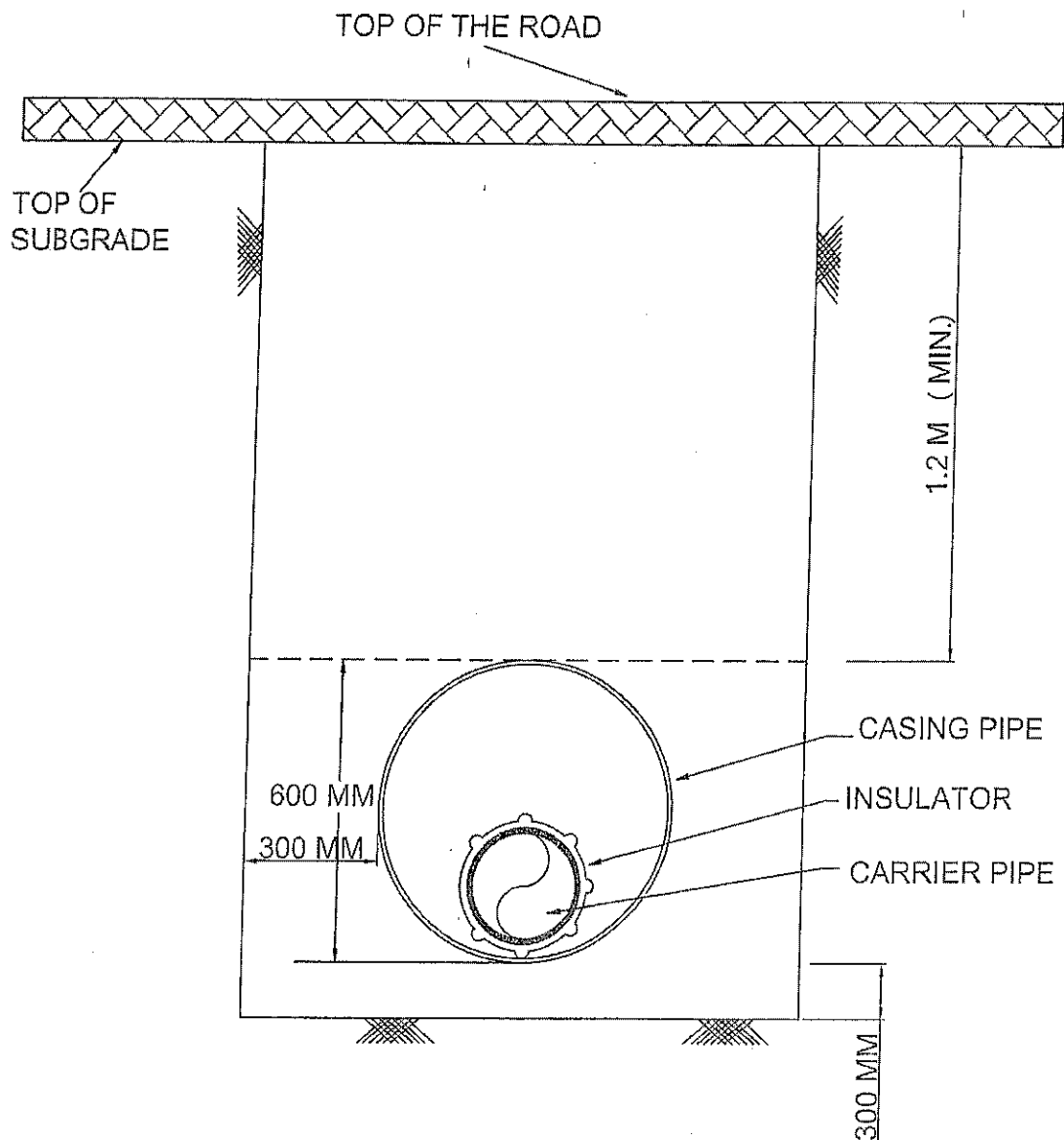
Chhaigaonmakhan RD 112.01 km R9



M. Paraste
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CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

Chhaigaonmakhan RD 115.66 km R10

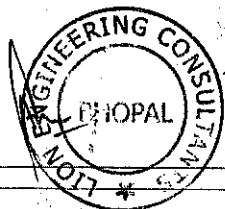
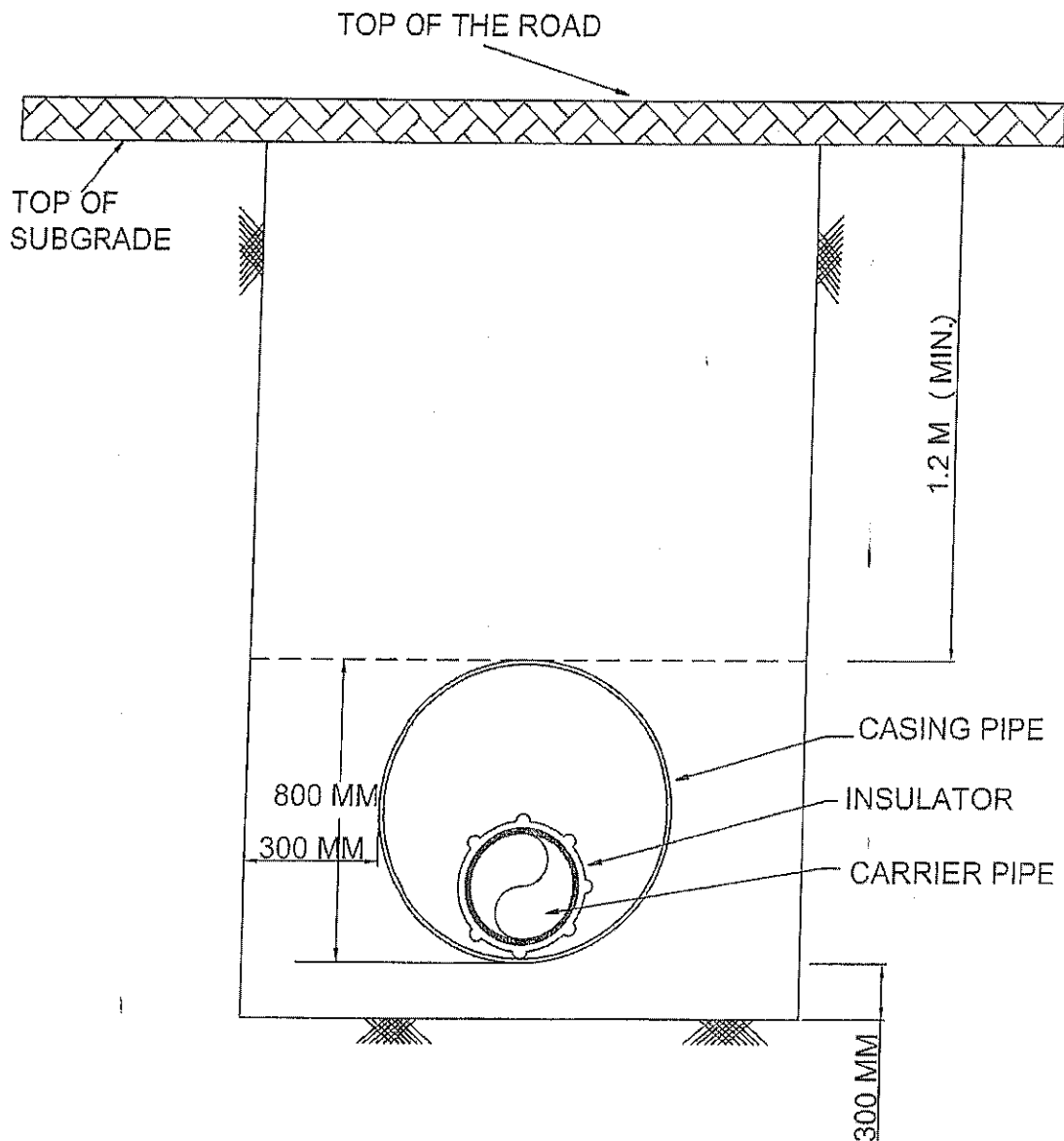


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CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

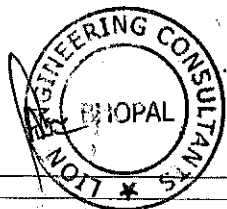
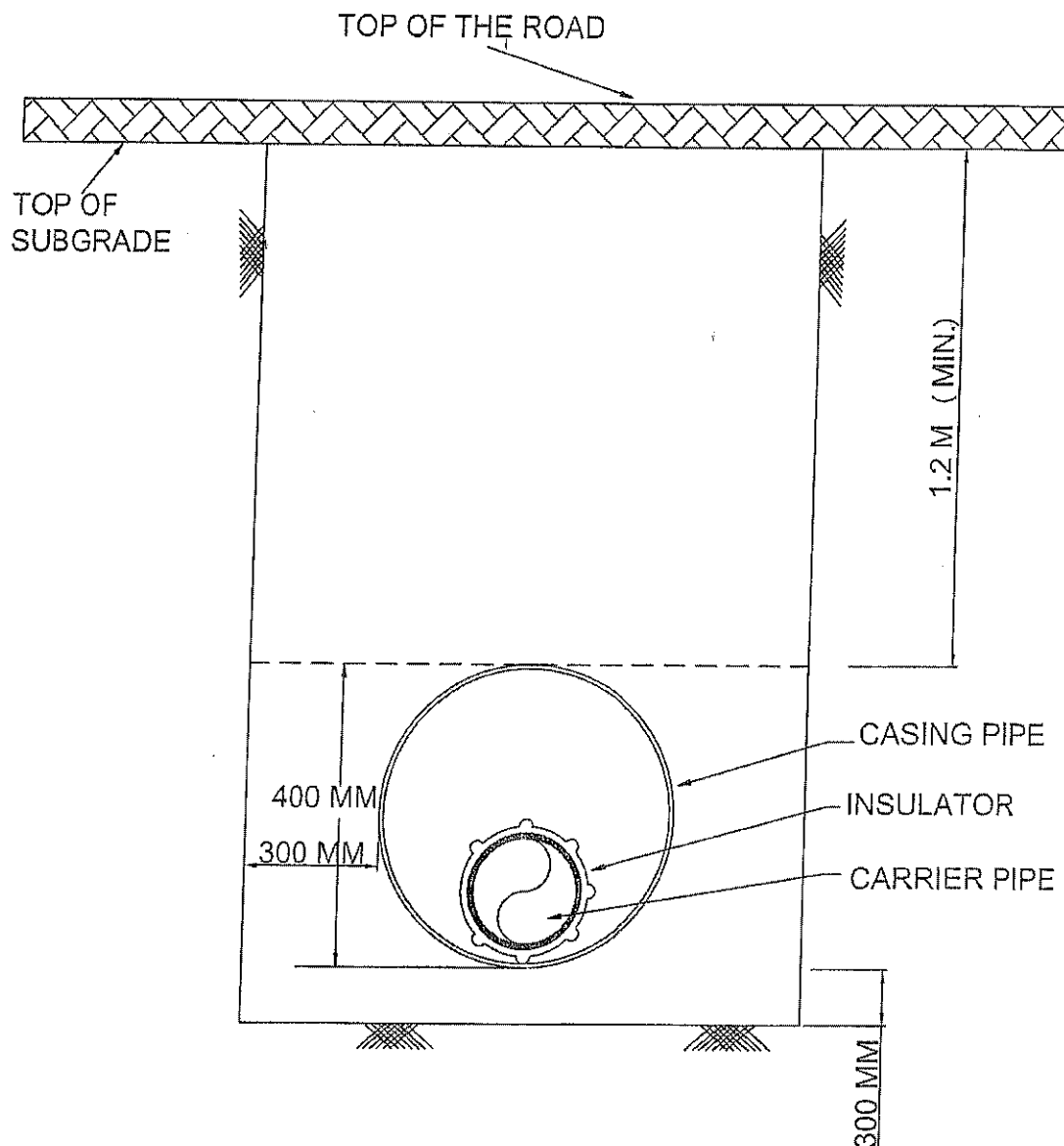
Mokalgaon RD 118.85 km R 11



[Signature]
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CROSS SECTION DRAWING OF CROSSING PIT
BY HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD

Chamati RD 122.66 km R12



[Signature]

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