



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



सत्यमेव जयते



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

NHAI/RO-MP/JBP/33 KV Crossing/2022/ 46164

Date: 21.03.2022

Invitation of Public Comments

Sub: Underground National Highway (NH-30) Crossing of our 33KV HT Transmission Line –Reg.

Ref: 1. PD, PIU-Jabalpur letter no. NHAI/PIU-JBP/33 KV Crossing NVDA/2022/18917 dated 07.03.2022
2. PD, PIU-Jabalpur letter no. NHAI/PIU-JBP/33 KV Crossing NVDA/2022/18747 dated 12.02.2022

The Project Director, PIU-Jabalpur NHAI vide their letter dated 07.03.2022 & 12.02.2022 has submitted the Proposal for grant of ROW permission for underground National Highway (NH-30) Crossing of our 33KV HT Transmission Line.

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 **20.04.2022** 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 Rani Kamlapati Railway Station,
Bhopal (MP)-462016
E-mail ID:robhopal@nhai.org

4. This issues with the approval of Highways Administrator Cum Regional Officer, NHAI, Bhopal (MP).


(Anand Prasad)
Manager (T)

Copy to:

- Web-Admin, nhai.org@gmail.com, NHAI-HQ for uploading on NHAI website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, PIU-Jabalpur (MP) for information please.
- The Executive Engineer, N.D. Division no. -4, Sihora Jabalpur for information.

CHECK - LIST (33 kV Cable)

Guidelines for Project Directors for processing the proposal of laying underground electrical cable in land along National Highways vested with NHAI

• Relevant circulars

- 1) Ministry Circular No. NH-III/P166176 dated 19.11.1976
- 2) Ministry Circular No. MN/NH-III/P166176 dated 1 1.5.1982
- 3) Ministry Circular No. RW/NH-110371/1861DOI dated 19.1.1995

Check list for getting approval for laying of underground electrical cable on NH land

S.No	Item	Information/ Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	Executive Engineer, NVDA, Division No:04, Galla Mandi Road, Sihora, 483225.	
1.2	National Highway Number	NH-30	
1.3	State	Madhya Pradesh.	
1.4	Location	Village - Mansakna, at KM stone 30/814. NH-30	
1.5	(Chainage in km)	30 / 814.	
1.6	Length in Meter	60 meters	
1.7	' Width of available ROW	60 meters.	
	(a) Left side from center line towards increasing chainage/ km direction	30 meters	
	(b) Right side from center line towards increasing chainage/ km direction	30 meters.	
1.8	Proposal to lay underground electrical cable	Yes, permanent	
	(a) Left side from center line towards increasing	4 Run cable - 30 mtr.	

EXECUTIVE ENGINEER
N.D. DIVISION NO. 4
SIHORA

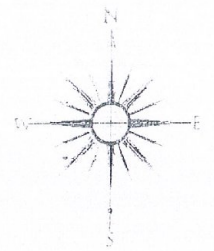
	chainage/ km direction		
	(b) Right side from center line towards increasing chainage/ km direction	4 Run cable- 30 mtr.	
1.9	Proposal to acquire land	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes.	
	If not then where to lay the cable	NA	
1.11	Details of already laid services, if any, along the proposed route	NA	
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)	NA	
1.14	Service road existing or not	NO	
	If yes then which side	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.15	Proposed Service road	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway	NA	
	service road and main carriageway		
1.17	The permission for laying underground electrical cable shall be considered for approval/ rejection based on the Ministry Circulars mentioned as above	Yes	
1.18	If crossings of the road involved 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 owning the line	HDPE pipe.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	NA	
	(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	As per specification	

EXECUTIVE ENGINEER
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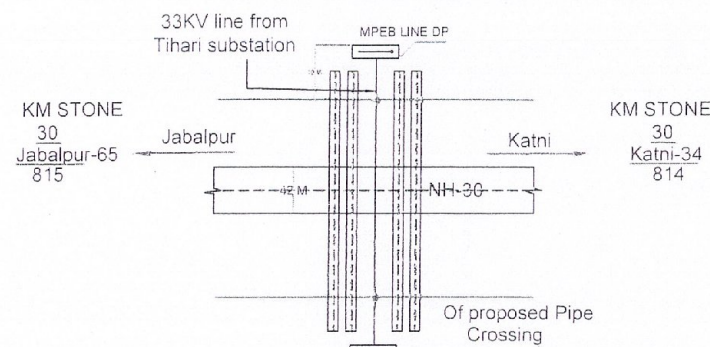
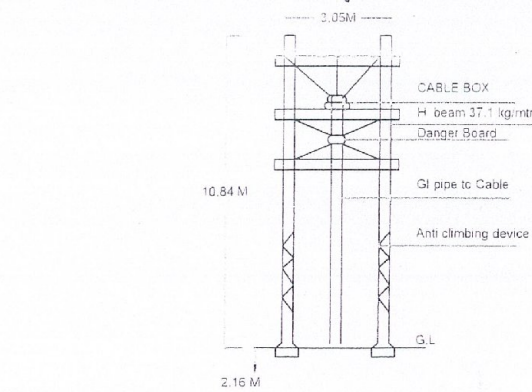
	distance from the existing structures		
	(d)The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable,	As per specification.	
	(e)Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	As per specification.	
	(f)The casing/conduit pipe should, as minimum extend to drain to drain in cuts and toe of slope toe of slope in the fills.	NA	
	(g)The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.	As per Specification	
	(h)Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type	HDD 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.	NA	
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 1.2m deep* 0.3m wide) (i)Should not be greater than 60 Cm 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 15 meter from the centre-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 these be laid over the existing culverts and bridges (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	Drawing Enclosed	
2.2	Cross section showing the size of pit and location of 1' cable for HDD method	As per drawing	
2.3	Strip plan/ Route Plan showing underground electrical cable, Chainage, width of ROW, distance of proposed, cable from the edge of	As per drawing	

EXECUTIVE ENGINEER
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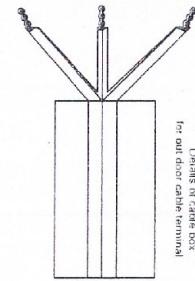
DHIMARKHEDA MICRO LIFT IRRIGATION SCHEME- NVDA **JOINT SURVEY OF 33 KV LINE UNDER GROUND** **NH-30 CROSSING BETWEEN** **JABALPUR & KATNI-RD-30/814 & 30/815**



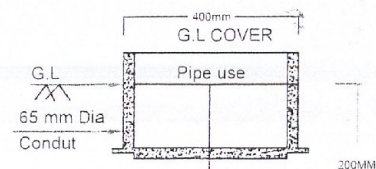
NOTE: Scale- N.T.S



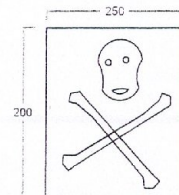
SITE PLAN



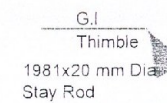
DETAILS OF CABLE



PIPE EARTHING

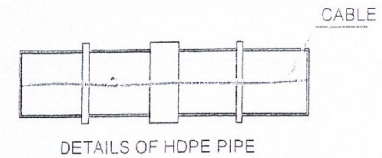
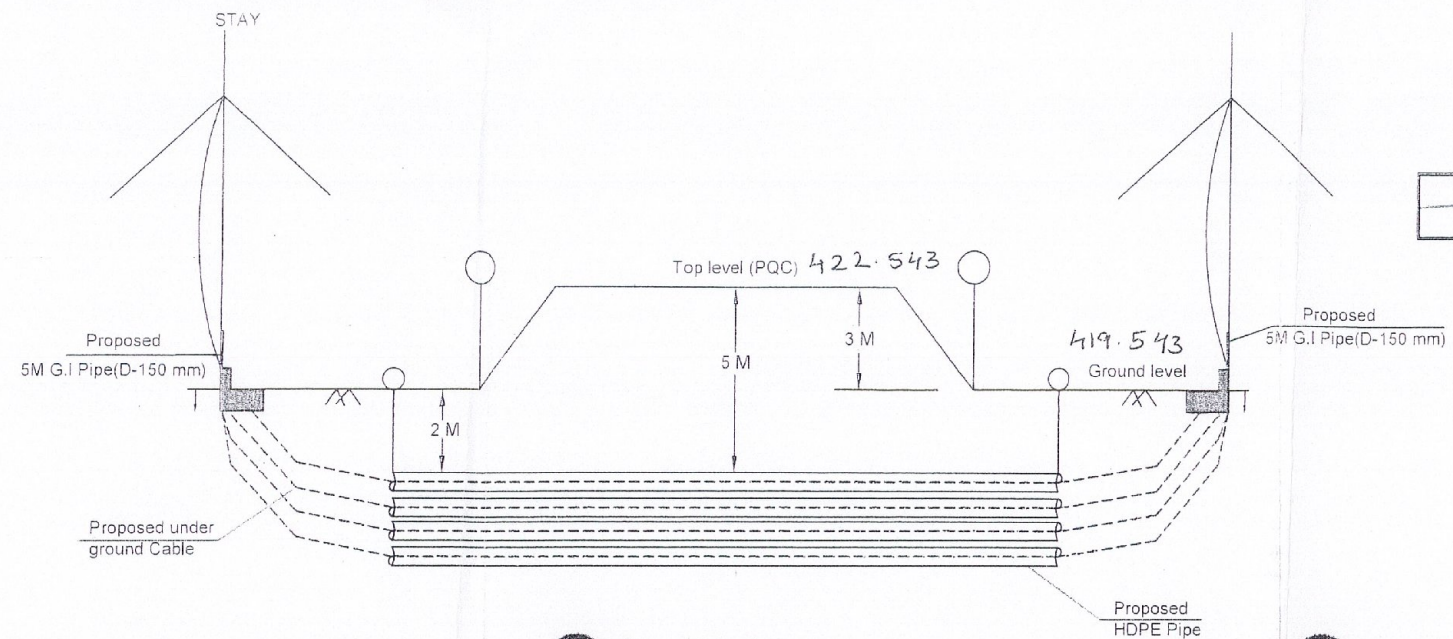


DETAILS OF DANGER BOARD

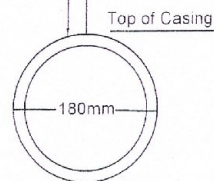


DETAILS OF STAY ROD

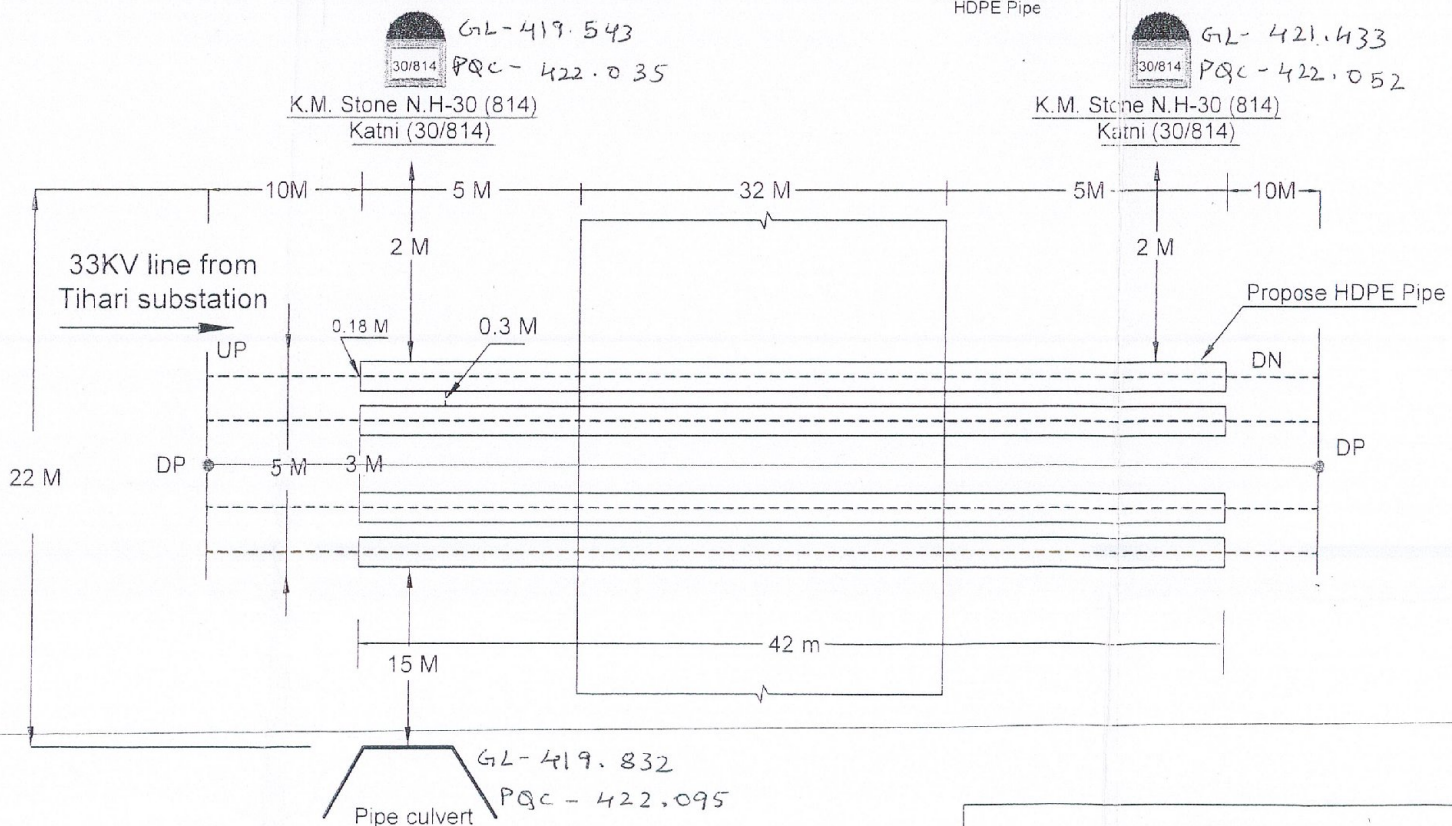
Cement Concrete
228x228x6.35mm
Anchor Plate



Diameter = 180mm
Thickness of pipe = 4.80mm



CROSS SECTION



1. Electricity cable=33000 volt
2. Number of cable=02 no Cable
3. Danger board=Hindi English
4. Depth of cable 2.0 m below ground level

Note:
G.I Pipe shall be laying under ground the N.H-30 by horizontal boring method at a depth of 2.0m from respective ground level.

DHIMARKHEDA MICRO LIFT IRRIGATION SCHEME- NVDA
33 KV LINE UNDER GROUND-NH-30 CROSSING
BETWEEN
JABALPUR & KATNI-RD-30/814 & 30/815

NARMADA VALLEY DEVELOPMENT AUTHORITY

EXECUTIVE ENGINEER
DIV. NO-4 SIHORA