



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

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

क्षेत्रीय कार्यालय / REGIONAL OFFICE

ई-6/47, स्मृति परिसर, साईबोर्ड के पास, अरेरा कॉलोनी, भोपाल (म.प्र.)-462016

E-6/47, Smriti Parisar, Near Sai Board, Arera Colony, Bhopal (M.P.)-462016

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

NHAI/RO-MP/PIU-BPL/BPL-Biaora/NH46/MPPTCL/2025/52716

Date - 08.01.2025



Invitation of Public Comments

Sub: Balance work of 4-lane of Bhopal-Biaora section of NH-12 from Km. 324.000 to Km. 423.400 in the state of MP (Package-II) on EPC mode. Regarding overhead crossing of NH-46 at Chainage 409.531 by 132KV DCDS line from 132 KN S/s Narsingharh to 132KV S/s Biaora - Submission- Regarding overhead crossing of NH-46 at Chainage 409+531 by 132KV DCDS line from 132KV S/s Narsingharh to 132KV S/s Biaora - **Submission of crossing permission proposal thereof - reg.**

Ref: PD, PIU Bhopal e-file no. 249289.

1. PD, PIU Bhopal, NHAI vide e-file 249289 (under reference) has submitted the proposal for permission for crossing of overhead 132KV line as per subjected above details of Bhopal-Biaora section of NH-46.
2. As per Ministry vide OM No. RW/NH-33044 S&R (R) dated 22.11.2016, the application shall be put out in public domain for 30 days for seeking claims and objections (on ground of public inconvenience, safety and general public interest).
3. Accordingly, the public comments are hereby invited on the above proposal (copy of application enclosed) for seeking claims and objections within 30 days (i.e. by **09.02.2025**) on public portal {i.e. website of MoRTH (www.morth.nic.in)} beyond which no comments will be considered. The address of comments inviting authority is as under:

The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-6/47, Smriti Parisar, Near Sai Board
Arera Colony, Bhopal (MP) - 462016
E-mail ID: robhopal@nhai.org

4. This is being issued with the approval of Regional Officer cum Highway Administration.

(Paras Bansal)
Manager (T)
RO - Bhopal

Copy to:

- (i) Web Admin, NHAI-HQ-with request for uploading on the NHAI website.
- (ii) The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- (iii) The Project Director, NHAI, PIU- Bhopal (M.P.) for information.
- (iv) EE, MPPTCL, Bhopal (MP) (Email: eehtc.d2.bpl@mptransco.nic.in).

Check list As per Ministry Guideline.

Guideline for Project Directors for Processing the proposal for laying of Crossing 132 kv Overhead Electrical Power Transmission line.

Ministry Circular No RW/NH-33044/29/2015/S&R R) dated 22.11.2016.

Check list for getting approval for laying of overhead Electric Power Transmission line on NH land (To be filled by MPPTCL)

S.No.	Item	Information/ Status	Remark
1	General Information		Overhead crossing of Bhopal-Biaora NH-46 By 132KV DCDS Narsingharh-Biaora line Near Village Barwa & Lasudiya Maharaja distt. Rajgarh Nh-46.
1.1	Name and Address of the Applicant		Executive Engineer,(EHT-C)Dn MPPTCL Govindpura Bhopal
1.2	National Highway Number		NH-46
1.3	State		Madhya Pradesh
1.4	Between Tower Location		AP-08-11°46'46"RT AP-09-38°26'51"LT
1.5	(Chainage in km)		409+531
1.6	Length in Meter		Overhead Crossing -214.0Mtr.
1.7	Width of Available ROW of road /Transmission line ROW		60.0 Mtr./27.0 Mtr.
	a) Left side from Center line towers increasing Chainge/km direction		13.5 Mtr
	b)Right side from Center line towers increasing Chainge/km direction		13.5 Mtr
1.8	Proposal to lay Overhead Electric Power Transmission line		
	a) Left side from Center line towers increasing Chainge/km direction	<i>1/2 centre of median</i>	Overhead Crossing left side Tower(AP-08) Distance from NH-46 Boundary - 93.0m
	b)Right side from Center line towers increasing Chainge/km direction	<i>1/2 centre of median</i>	Overhead Crossing Right side Tower Distance from NH-46 Boundary -121.00 m
1.9	Proposal to acquire land		Not required as both towers are outside NH Boundary
	a)Left side from Center		Not required
	b)Right side from Center		Not required
1.1	Whether proposal is in the same side where land is not to be acquired if not then where to lay the cable		NA
1.11	Details of already laid services , if any, along the proposal route		NA
1.12	Number of lanes (2/4/6/8 lanes) existing		4 Lane
1.13	Proposed Number of lane (2 lane with paved shoulders/4/6/8 lanes)		4 Lane
1.14	Service road existing or not		
	If yes then which side		NA
	a) Left side from Center		NA
	b) Right side from Center		NA
1.15	Proposed Service road		
	a) Left side from Center		NA
	b) Right side from Center		NA
1.16	Whether Proposal to lay Overhead power Transmission line is after the service road in between the service road between the service road and main carriage away		Overhead power transmission line crossing suppoortane beyond NH-46 boundary ROW
1.17	Whether carrying of crossing power cable has been proposed on highway bridge- if yes, then mention the methodology proposed for the same		NA

Manager (Tech.)
NHAI, PIU-Bhopal

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EHT (Construction) Dn.
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Bhopal-Biaora Section of NH-12

1.18	If crossing 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		Overhead Tr. line Crossing
	a) Whether existing drainage structure are allowed to carry sewage/gas power cable		NA
	b) Is it on the line Normal to NH		Across & Along NH-46
	c) What is distance of the crossings sewage/gas power cable from the existing structure? Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 metre.		NA
	d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron or rainforced cement concrete pipe/cable. Mention type of casting		NA-(As Overhead Transmission line Crossing)
	e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path		NA
	f) The casing /conduit pipe should as minimum extended from drain to drain in cuts and toe of slope in the fills		NA
	g) The top of the casing /conduit pipe should be atleast 1.2 meter below the drain inverts. Mention the proposed details.		NA
	h) Mention the methodology proposed for Crossing of road for the proposed sewage/gas power cable crossing shall be by boring method (HDD) Trench-Less Techonology, specially, where the existing road payment is of cement concrete or dense bituminous concrete type.		Overhead Transmission line Crossing
	i) The casting /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 / Drawing enclosed with the proposed with the proposal		Yes
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.2m deep x 0.3m wide). (i) Should not be greater than 60m wide than the outer diameter of the pipe. ii) Located as closed to the extreme edge of the right of way as possible but not less than 15m from the center lines of the nearest carrage way. (iii) Should not be permitted to run along the national highway 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 atleast 0.6m below the ground level so as not to obstruct drainage of the road land.		NA-(Overhead Transmission line Crossing)
2.2	Cross section showing the size of pit and location of cable for HDD method		NA


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Electrical Engg.
LWSA

2.3	Strip plan/Route plan showing crossing power cable , chainage with of ROW, important mile stone, intersection , cross drainage works etc		Enclosed-(Mention in attached Drawing)
2.4	Methodology for laying of overhead power Transmission line		By Normal Ovehead Transmission line stringing method
2.4.1	Open Trenching Method.(May be allowed in Utility corridor only where payment is neither cement concrete T type. If yes, Methodology of refilling of trench)		NA
	a) The trench width should be atleast 30cm, but not more than 60cm wide than the outer diameter of the pipe.		NA
	b) For filling of the trench, Bedding shall be to a depth of not less than 30m . It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden in the bearing value. Unsuitable soil and rock edged material		NA
	c)The Backfill shall be completed in two stages (i) Side-fill to the level of the pipe and(ii) overfill to the bottom of the road crust.		NA
	d) The side fill consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed consolidation by saturation or ponding will 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 formatin 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 owning the utility line .		NA
2.4.2	Horizontal Direction Drilling (HDD) Method		NA
2.4.3	Methodology for laying of Crossing power cable through CD works and method of laying .in cases where the carrying of crossing power cable on the bridge become inescapable		NA
3	Draft License Agreement signed by two witnesses		enclosed



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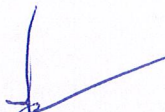

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MPPTCL, Bhopal


 Electrical Engg.
 L ASA

4	Performance Bank Guarantee in favour of NH division has to be obtained by Morth Norms of Rs. 2,00,000/- per crossing of NH, for period one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the of the crossing power cable/ducts by proper filling and compaction ,clearing debris/ loose earth produced due to execution of trenching at last 50 m away from the edge of the right of way . No payment shall be payable by the NH division of the licence for clearing debris/loose earth. performance BQ/FDR as per above is to be obtained.		Not required as per guide line, Tower is out of ROW of NH-46
4.1	Confirmation of FDR has been obtained or not as per NH division guidelines		Not required as per MORTH Guide line
5	Affidavit/ undertaking from the applicant for the following is to be furnished		Enclosed
5.1	Not to damaged to other existing utility ,If damaged then to pay the losses either to NH division or the concerned agency		Enclosed
5.2	For Renewal of Bank Guarantee/FDR		Not required
5.3	For conforming all standard condition of Ministry Circulars and NH Division guidelines		Enclosed
5.4	For Shifting of crossing power cable as and when required by NH Division at their own cost		Enclosed
5.5	For Shifting of power cable due to laning / widening of NH		Enclosed
5.6	For identify against all damage and claims clause		Enclosed
5.7	For management of traffic movement during laying of crossing power cable to managed by the applicant		Enclosed
5.8	If any claim is raised by the conserssion then the same has to be paid by the applicant		Enclosed
5.9	Prior approval of the NHA shall be obtained before undertaking any work of installation shifting or repairs or alteration to be crossing power cable /any other utility located in the national highway right of way		Enclosed
5.1	Expenditure if any,incurred by NHA for reaping any damaged caused to the national highway by the laying maintenance or shifting the crossing power cable br borne by the applicant agency owing the line		Enclosed
5.11	If the NHA consider it necessary in future to move the utility line for any work of improvement or repairs at the cost of the agency owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given		Enclosed


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5.12	Certificate from the applicant in the following format		
	(1) Laying of crossing power cable will not have any deleterious effects on way of the bridge components and road way safety for traffic (2) " We do undertake that I / we will relocate service road / approach road /utilities at my own cost not with standing the permission granted within such time as well be stipulatd by NHAI for future SIX laning OR any other development		Enclosed
6	Who will sign the agreement on behalf of crossing power cable/ Overhead power Transmission Line agency		Executive Engineer,(EHT-C)Dn MPPTCL Bhopal
	power of attorney yo sign the agreement is available or not		YES
7	The project Director ,will submit the following certificates		Under taking Signal & being submitted with Proposal
7.1	Certificate for proposal for conforming of all standard condition issued vide Ministry of Road Transport Highways circular no.NH-III/P/66/76, Dt. 19.11.1976, Ministry circular no .NH-III/P/20/77 Dt 08.04.1982 ,Ministry circular no. RW/NH-III/p/66/76 Dt.11.05.1982 and Ministry circular no. RW/NH/11037/86/DOI, dated 19-01-1995		
7.2	Certificate from the PD in the following format		
	(i) " It is the certified that any other location of the crossing power cable/Overhead power Transmisson line would be extremely difficult and unreasonable costly and the installation of crossing of power cable/Overhead Power Transmission Line within ROW will not adversely affect the design, stability and traffic safety of the Highway nor the likely future improvement such as widening of the carriage way,easing of curve etc".		
	(ii) For 6 laning (a) Where feasibility is available "I do certify that there will be no hinderance to propsed six laning based on the feasibility report considering propsed structure at said location" (b) In case feasibility report is not available "I do certify that sufficient ROW is avalaible at side for accommodating propsed six laning".		
8	If NH section propsed 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 granted the right to lay crossing power cable/over head power transmission line/duct has also been granted as the right of way to the concession agreement for up gradation of.....section from.....Km to km.....NH No.....on Build operate and transfer basis and therefore the licensee honor the same".		NA-(Overhead Transmission Line Crossing)


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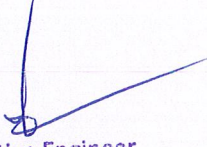
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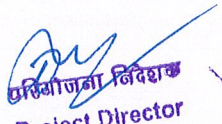
9	Who will supervise the work of laying Overhead Power Transmission		
	a) On behalf of the applicant		Executive Engineer,(EHT-C)Dn MPPTCL Bhopal
	b) On behalf of NH division		
10	Who will ensure that the defects in road portion after laying of Overhead Power Transmission Line are corrected and if not corrected then what action will be taken		NA
	a) On behalf the applicant		Executive Engineer,(EHT-C)Dn MPPTCL Bhopal
	b) On behalf of NH division		
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire		NA
	On behalf of the applicant		MPPTCL
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed proforma		NA
13	If any previous approval is accorded for laying of underground crossing Power cable/ Overhead Power Transmission line then photocopy of record of permission accorded as maintained by PD may be enclosed		NA


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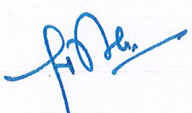

General Eng.
L.A.S.A.


Resident cum Highway Engineer
Authority's Engineer
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Bhopal-Biaora Section of NH-12



Executive Engineer
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परियोजना निदेशक
Project Director
भारत रा.प. परि.क्रिया इकाई भोपाल
NHAI PIU-Bhopal (M.P.)

M.P POWER TRANSMISSION COM. LIMITED	
Name of Power line :- 132kv DCDS Narsingharh - Biaora Transmission line	
Crossing Details	
Crossing Angle	90°0'0"
KM Stone NO.	As per mile stone 409+860 & 407+860
Crossing Location NO/ Type of Tower	AP-08(E60+6) & AP-09 (E60+10)
Clerance from Bottom Conductor	16.90M
ROW in both side from centre	30 M
Crossing Span Length	214.00 M
Tower height	AP-8 - 35.00M AP-9 - 39.00 M


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