



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-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-BPL/BPL/NHDCL/NH-146/2023/49857

20th September, 2023



Invitation of Public Comments

Sub.: Permission for utility services along National Highway i.e. electrical crossing over NH (33KV feeder from Gulgaon Solar Plant to 33/11 KV Airen S/S) at NH-146 crossing CH. 49+561 near village Amkheda, Tehsil Raisen District Raisen in the state of Madhya Pradesh - reg.

Ref: PD, PIU Bhopal letter no. 23727 dated 31.08.2023.

Please refer to above mentioned proposal pertaining to permission for overhead electric crossing on the subject stretch.

2. As per Ministry OM No. RW/NH-33044 S&R (R) dated 22.11.2016, the Highway 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 and the same should reach to below mentioned address till 20.10.2023 beyond which no comments will be considered.

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 Administrator.

20/9/23

(Krishnendra Dwivedi)

Manager (T) - RO Bhopal

Copy to:

- Web Admin, NHAI-HQ - with request for uploading on the NHAI website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 - for uploading on Ministry's Website.
- The Project Director, NHAI, PIU- Bhopal (M.P.) - for information.
- Authorized Signatory, NHDCL, NHDC Parisar, Near Hotel Lake view Ashoka, Shyama Hills, Bhopal (MP)-462013

CHECK-LIST

Guidelines for project Directors for processing the proposal for laying of underground cable pipeline in the land along National Highways vested with NHAI.

Relevant circulars of Ministry of Road Transport and Highways

- 1) Circular No. NH-III/P/66/76 dated 18/19.11.1976.
- 2) Circular No. RW/NH-III/P/66/76 dated 11.5.1982.
- 3) Circular No. RW/NH-11037/1/86/DOI (ii) dated 28.7.1993.
- 4) Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995.
- 5) Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999.
- 6) Circular No. RW/NH-34066/7/2003 S&R(B) dated 17.9.2003.
- 7) NHAI's circular No. NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensive guidelines and draft license agreement by private party in the land along National Highway vested with NHAI.
- 8) Circular No. RW/NH-33044/27/2000-S&R (R) dated 21.3.2006. It is regarding the modification of previous Ministry circular enhancing the amount of performance bank Guarantee @ Rs 50/- per route meter in place of earlier rate of Rs 25/- per route meter.
- 9) Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.

S.NO	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/ Agency	Narmada Hydroelectric Development Corporation Ltd. (NHDC Ltd.) Address:- Jehanuma Palace Rd, near Hotel Jehanuma Palace, Krishna Nagar, Shymala Hills, Bhopal, Madhya Pradesh 462013	Yes
1.2	National Highway Number	NH-146	Yes
1.3	State	Madhya Pradesh	Yes
1.4	Location	Permission for utility services along National Highway i.e electrical crossing (33 KV feeder from Gulgaon Solar plant to 33/11 KV Airen S/S) at NH-146, crossing Ch. 49.561, village-Amkheda, Tehsil-Raisen Dist- Raisen in the State of Madhya Pradesh	Yes
1.5	(Chainage in KM)	Ch. 49.561 (Proposed Electric poles at both RHS & LHS)	Yes
1.6	Length in Meters	Length along NH not applicable as line	Yes

Permission for utility services along National Highway i.e electrical crossing over national Highway (33 KV feeder from Gulgaon Solar plant to 33/11 KV Airen S/S) at NH-146, crossing Ch. 49.561, near village-Amkheda, Tehsil-Raisen Dist- Raisen in the State of Madhya Pradesh.


प्रबंधक (तकनीकी)
Manager (Technical)
भा. रा. रा. प्रा. परि. क्रिया इकाई भोपाल
NHAI PIU-BHOPAL


Resident cum Highway Engineer


एन एच डी सी लिमिटेड / NHDC Limited
भोपाल-462013 (म.प्र.) / BHOPAL-462013 (M.P.)

Assistant Highway Engineer

		proposed over national Highway	
1.7	Width of available ROW	35 M total	Yes
	(a) Left side from center line towards increasing chainage/Km direction	17.5M	Yes
	(b) Right side from center line towards increasing chainage/Km direction	17.5M	Yes
1.8	Proposal to lay underground utility.	NA	Yes
	(a) Left side from center line towards increasing chainage/Km direction	NA	Yes
	(b) Right side from center line towards increasing chainage/Km direction		Yes
1.9	Proposal to acquire land	Not required beyond available ROW	Yes
	(a) Left side from center line.	Not required beyond available ROW	Yes
	(b) Right side from center line.		Yes
1.10	Whether Proposal is in the same side where land is not to be acquired	NA	Yes
	If not then where to lay the cable.	NA	Yes
1.11	Details of already laid services , if any, along the proposed route	Existing another electrical line crossing at 7M towards Sanchi	Yes
1.12	Number of existing lanes (2/4/6/8 lanes)	Existing 2 lane	Yes
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	In purview of NHAI PIU Bhopal	Yes
1.14	Services road existing or not If yes then which side	Service road does not exist at this location.	Yes
	(a) Left side from center line.	NA	NA
	(b) Right side from center line.	NA	NA
1.15	Proposed service road	NA	NA
	(a) Left side from center line.		
	(b) Right side from center line.		
1.16	Whether proposal to lay underground cable pipeline is after the service road or between the service road and main carriageway.	NA, proposal is for Electrical line crossing over National Highway	NA
1.17	Whether carrying underground cable pipeline has been proposed on highway bridges. If yes then mention the methodology proposed for the same.	NA, proposal is for Electrical line crossing over National Highway	NA
1.18	Whether carrying of underground cable pipeline has been proposed on parapet/any part of the bridges. If yes then mention the methodology proposed for the same.	NA, proposal is for Electrical line crossing over National Highway	NA
1.19	If crossing of the road involved		NA
	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.	NA, proposal is for Electrical line crossing over National Highway	NA
	(a) Whether existing drainage structures are allowed to carry underground cable pipeline.	NA, proposal is for Electrical line crossing over National Highway	NA
	(b) Is it on a line normal to NH, if No Mention angle of crossing	NA, proposal is for Electrical line crossing over National Highway	NA
	(c) What is the distance of crossing the underground cable pipeline pipelines from the existing structures. Crossings shall not be too near the existing structures on the	NA, proposal is for Electrical line crossing over National Highway	NA

Permission for utility services along National Highway. The electrical crossing over national Highway (33 KV feeder from Gulgaon Solar plant to 33/11 KV Airen S/S) at NH-146, crossing CH 462013 near village-Amkheda, Tehsil-Raisen Dist- Raisen in the State of Madhya Pradesh.

एन एच डी सी लिमिटेड / NHDC Limited
भोपाल-462013 (म.प्र.) / BHOPAL-462013 (M.P.)

प्रबंधक (तकनीकी)
Manager (Technical)
म.प्र. रा.प्रा.परि.क्रिया इकाई भोपाल
NHAI PIU-BHOPAL
Resident cum Highway Engineer

	National Highway, the minimum distance being 15 meter.		
	(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. Mention type of casing.	NA, proposal is for Electrical line crossing over National Highway	NA
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	NA, proposal is for Electrical line crossing over National Highway	NA
	(f) The casing/ conduit pipe should, as minimum extend from the drain to drain in cuts and toe of slope in the fills.	NA, proposal is for Electrical line crossing over National Highway	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 meter below the drain inverts. Mention the proposed details.	NA, proposal is for Electrical line crossing over National Highway	NA
	(h) Mention the methodology proposed for the crossing of road for the proposed underground cable pipeline. Crossing shall be by boring method (HDD) [Trench-less Technology] especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	NA, proposal is for Electrical line crossing over National Highway	NA
	(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, proposal is for Electrical line crossing over National Highway	
2	Document/ Drawings to be enclosed with the proposal.		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep x0.3m wide)	Drawing shown cross section of National Highway (Please refer enclosed drawing)	NA
	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe.	NA	NA
	(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.	NA	NA
	(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.	NA	NA
	(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.	NA NA	NA
2.2	Cross section showing the size of pit and location of cable for HDD method.	NA	NA
2.3	Alignment plan on project project plan & profile showing underground cable pipeline, chainage, width of ROW, distance of proposed underground cable pipeline from the edge of ROW, important mile stone, intersections, cross drainage works etc.	NA	NA
2.4	Methodology for laying of underground cable pipeline.	NA	NA
2.4.1	Open Trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. IF yes, What is the Methodology of refilling of trench?	NA	NA
	(a) The trench width should be at least 30 cm, but not more than 60cm wider than the outer diameter of the pipe.	NA	NA
	(b) For filling of the trench, bedding shall be to a depth of	NA	NA

Permission for utility services along National Highway i.e. electrical crossing over national Highway (33 KV feeder from Gulgaon Solar plant to 33/11 KV Airen S/S) at NH-146, crossing Ch. 49.500 near village-Amkheda, Tehsil-Raisen Dist- Raisen in the State of Madhya Pradesh.

Assistant Highway Engineer

महाप्रबंधक (ओ एण्ड एम)/General Manager (O&M)
एन एच डी सी लिमिटेड /NHDC Limited
भोपाल-462013 (म.प्र.)/BHOPAL-462013 (M.P.)

Resident cum Highway Engineer

	not less than 30 cms. 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 edged should be excavated and replaced by selected material.		
	(c) The backfill shall be completed in two steps (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	NA	NA
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctors' density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation my saturation or pending will not be permitted.	NA	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	NA
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	NA
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line.		NA
2.4.2	Horizontal Directional Drilling (HDD) Method	NA	NA
2.4.3	Methodology for laying of underground cablepipeline through CD works and method of laying. In cases where the carrying of underground cablepipeline on the bridge becomes inescapable.	NA	NA
3	Draft License Agreement signed by two witnesses.	Yes	Yes
4	Performance bank Guarantee in favour of NHAI has to be obtained @ Rs 50/- per running meter (parallel to NH) and Rs 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work)as a security for ensuring/making good the excavated trench for laying the underground cable Pipeline ducts by proper filling and compaction, clearing Debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the license for clearing debris/loose earth. Performance BG as per above is to be obtained.	Yes same shall be paid by applicant and required bank guarantee in favor of Highway administration shall be provided.	Yes
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines.	In purview of NHAI PIU Bhopal	Yes
5	Affidavit/ Undertaking from the Applicant for the following are to be furnished.		
5.1	Not to Damage to other utility, if damaged then pay the losses either to NHAI or to the concerned agency.	Enclosed on 100 Rs stamp	Yes
5.2	For renewal of bank Guarantee	Enclosed	Yes
5.3	For confirming all standard condition of Ministry Circulars and NHAI's guidelines.	Enclosed	Yes
5.4	For shifting of underground cable Pipeline as and when required by NHAI at their own cost.	Enclosed	Yes
5.5	For shifting of underground cable Pipeline due to 4/6 lanning. Widening of NH		Yes
5.6	For indemnity against all damages and claims.	Enclosed	Yes
5.7	For traffic movement during laying offor shifting of underground cable Pipeline due to 4/6 lanning. Widening of	Enclosed	Yes

Permission for utility services along National Highway to electrical crossing over national Highway (33 KV feeder from Gulgaon Solar plant to 33/11 KV Airen S/S) at NH-146, crossing Ch. no. 561, near village-Amkheda, Tehsil-Raisen Dist- Raisen in the State of Madhya Pradesh.

Asst. Stant Highway Engineer

महाप्रबंधक (ओ एण्ड एम)/General Manager (O&M)
एन एच डी सी लिमिटेड/NHDC Limited
भोपाल-462013 (म.प्र.)/BHOPAL-462013 (M.P.)

Resident cum Highway Engineer

	NH pipe line to be managed by the applicant.		
5.8	If any claim is raised by the Concessionaire the same has to be paid by the applicant.	Enclosed	Yes
5.9	Prior approval of the NHAI shall be obtained before undertaking any work if installation, shifting or repairs, or alterations to the For shifting of underground cable Pipeline due to 4/6 lanning. Widening of NH line/ any other utility located in the national highway right-of- ways.	Enclosed	Yes
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the national Highway by the laying, maintenance or shifting of the For shifting of underground cable Pipeline due to 4/ 6 lanning. Widening of line at NH will be borne by the applicant agency owning the line.	Enclosed	Yes
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed	Yes
5.12	Certificate from the applicant in the following format		
	(i)Laying of Underground cable pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	NA	
	(ii)"We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future four/ six-lanning or any other development.	NA	
6	Who will sign the agreement on behalf of Underground cable pipe line agency?	GM NHDC Bhopal	Yes
	Power of Attorney to sign the agreement is available or not.	Yes	Yes
7	The project director, will submit the following Certificates.		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of road transport and highways circular No. RWINH-33044/29/2015/S&R(R) dated 22.11.2016	In purview of NHAI PIU Bhopal	Yes
7.2	Certificate from PD in the following format		
	(i)" it is certified that any other location of the underground cable pipeline would be extremely difficult and unreasonable costly and the installation of underground cablepipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor likely future improvement such as widening of the carriageway, easing of curve etc."	NA	NA
	(ii)For 4/6-lanning	NA	NA
	(a)Where feasibility is available "I do certify that there will be no hindrance to proposed four/six-lanning based on the feasibility report considering proposed structure at the said location".	In purview of NHAI PIU Bhopal	Yes
	(b)In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed four/ six-lanning".	In purview of NHAI PIU Bhopal	Yes
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 duct has also been granted as a right of	In purview of NHAI PIU Bhopal	Yes

Permission for utility services along National Highway i.e. electrical crossing over national Highway (33 KV feeder from Gurgaon Solar plant to 33/11 KV Airen S/S) at NH-146, crossing Ch. 49501, near village-Amkheda, Tehsil-Raisen Dist- Raisen in the State of Madhya Pradesh.

महाप्रबंधक (ओ एण्ड एम)/General Manager (O&M)

एन एच डी सी लिमिटेड/NHDC Limited

भोपाल-462013 (म.प्र.)/BHOPAL-462013 (M.P.)

Assistant Highway Engineer

Resident cum Highway Engineer

प्रबंधक (तकनीकी)
Manager (Technical)
मा. रा. रा. परि. क्रिया इकाई भोपाल
NHAI PIU-BHOPAL

	way to the concessionaire under the [----- ----Section from Km-----to Km-----of NH No: ----- build, operate and transfer basis] and therefore, the licensee shall honor the same."		
9	Who will supervise the work of laying of underground cableline		Yes
	(a) On behalf of the Applicant	M/s Goldi Solar pvt. Ltd.	Yes
	(b) On behalf of NHAI	In purview of NHAI PIU Bhopal	Yes
10	Who will ensure that the defects in road portion after laying of underground cable pipeline are corrected and if not corrected then what action will be taken		Yes
	(a) On behalf of the Applicant	M/s Goldi Solar pvt. Ltd.	Yes
	(b) On behalf of NHAI	In purview of NHAI PIU Bhopal	Yes
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the Concessionaire?		Yes
	On behalf of the Applicant		Yes
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (copy enclosed)	In purview of NHAI PIU Bhopal	Yes
13	If any previous approval is accorded for laying of underground cable pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy is enclosed.	In purview of NHAI PIU Bhopal	Yes
14	Name of Highway authority of NHAI/PWD/BRO	NHAI PIU Bhopal	Yes
15	Highway Administration address	Regional Officer National Highways authority of Indian (RO) Regional Office Bhopal	Yes

Verified by

Plat
Assistant Highway Engineer
Ramish
Resident cum Highway Engineer

महाप्रबंधक (ओ एण्ड एम)/General Manager (O&M)
एन एच डी सी लिमिटेड /NHDC Authorized Signatory
भोपाल-462013 (म.प्र.)/BHOPAL-462013 (M.P.)
M/s NHDC Limited Bhopal

Verified by

[Signature]
प्रबंधक (तकनीकी)
Manager (Technical)
भा. रा. रा. प्रा. परि. क्रिया इकाई भोपाल
NHAI PIU-BHOPAL

CS
Project Director NHAI PIU Bhopal
National Highway Authority of India

Permission for utility services along National Highway i.e electrical crossing over national Highway (33 KV feeder from Gulgaon Solar plant to 33/11 KV Airen S/S) at NH-146, crossing Ch. 49.561, near village-Amkheda, Tehsil-Raisen Dist. Raisen in the State of Madhya Pradesh.

NHAI PIU-Bhopal (M.P.)