



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

National Highways Authority of India

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

(Ministry of Road Transport & Highways, Govt of India)

क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

301 - ए, तीसरी मंजिल, पाल हाइट्स, प्लॉट नं जे/ 7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा

301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha

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NHAI/13011/54/RO/OD/ 607 /2023

16.02.2023

To

The Sr. Technical Director,
NIC Centre at MoRTH,
Transport Bhawan,
New Delhi 110001

Sub: Rehabilitation & Up gradation of Cuttack- Angul section of NH-42 (New NH-55) to 4-lane in the State of Odisha under NIIDP-III on CPC Mode Package-II- **Permission for laying of 33 kV underground line on NH-55 (Km.66+150 to Km.67+760) to energize 33/11 kV sub- station newly construction at village Babandha under ODSSP scheme by OPTCL-Reg**

Sir,

Please find enclosed herewith a proposal of M/s TPCODL, Dhenkanal regarding Permission to laying of 33 kV underground line on NH-55 (Km.66+150 to Km.67+760) to energize 33/11 kV sub- station newly construction at village Babandha under ODSSP scheme by OPTCL. The details are as under:

Sl No.	Description	Chainage	NH No.	Location	Remarks
1.	Along the road	Km. 66+150 to Km.67+760	NH-42 (New NH-55)	Near village Babandha	33 kV Underground Cable

2. Accordingly, as per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016, the application along with the recommendations of concerned PD/Consultants are enclosed herewith, with request to hoist the same in the Ministry's Website for public comments within 30 days of uploading on the website.

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar.

Yours faithfully,

Abinash
16.02.2023

(Abinash Behera)
Dy. Manager (Tech)



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NHAI/13011/54/RO/OD/ 606 /2023

16.02.2023

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation & Up gradation of Cuttack- Angul section of NH-42 (New NH-55) to 4-lane in the State of Odisha under NHDP-III on EPC Mode Package-II- Permission for laying of 33 kV underground line on NH-55 (Km.66+150 to Km.67+760) to energize 33/11 kV sub- station newly construction at village Babandha under ODSSP scheme by OPTCL-Reg

M/s TPCODL, Dhenkanal has submitted a proposal for laying of 33 kV underground line on NH-55 (Km.66+150 to Km.67+760) to energize 33/11 kV sub- station newly construction at village Babandha under ODSSP scheme by OPTCL. The details are as under:

Sl No.	Description	Chainage	NH No.	Location	Remarks
1.	Along the road	Km. 66+150 to Km.67+760	NH-42 (New NH-55)	Near village Babandha	33 kV Underground Cable

2. As per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016; the Highway Administration will put out the application in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

3. In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address:

The Regional Officer,
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013, Odisha
e-mail : roodisha@nhai.org

This is issued with the approval of the "Regional Officer, NHAI, Regional Office, Odisha, Bhubaneswar".

Atanish
16.02.2023

Dy. Manager (Tech)
National Highways Authority of India,
Regional Office, Odisha
301-A, 3rd Floor, Pal Heights,
J/7, Jayadev Vihar, Bhubaneswar 751013

CHECK - LIST

Checklist for getting approval for construction of U.G Cable for 33KV new line on NH No. 55 at village Babandha

Sl. No.	Item	Information / Status	Remarks
1.	General Information	Permission of erection of 33KV U.G new line at village Babandha	
1.1	Name and Address of the Applicant / Agency	Executive Engineer, TPCODL Division, Dhenkanal	
1.2	National Highway Number	NH 55	
1.3	State	Odisha	
1.4	Location	Babandha	
1.5	(33KV new Line In Km)	Road Ch: From 66.150KM to 67.760 Km	
1.6	Length in Meters	1800	
1.7	Width of available ROW	60MTR Mention in Survey Drawing	
	a) Left side from center line towards increasing chain age / km direction	30 MTR	
	b) Right side from center line towards increasing chain age / km direction.	30 MTR	
1.8	Proposal to construction of new 33KV line	33KV new U.G line will be laid along NH-55 at locations mentioned in Sl. 1.4 & 1.5	
	a) Left side from center line towards increasing chain age / km direction	N/A	
	b) Right side from center line towards increasing chain age / km direction.	30MTR FROM CL	
1.9	Proposal to acquire land	Land available from	
	a) Left side from center line	N/A	
	b) Right side from center line	N/A	
1.10	Whether proposal is in the same side where land is not to be acquired.	N/A	
	Is not then where to erect the transmission line	N/A	
1.11	Details of already laid services, if any along the proposed route.	N/A	
1.12	Number of lanes (2/4/6/8 Lanes) existing	4 Lanes	
1.13	Proposed Number of lanes (2 Lanes with paved shoulders/4/6/8 Lanes)	4 Lanes	
1.14	Services road existing or not	Yes	
	If yes then which side	Right Side	
	a) Left side from center line	30 m	
	b) Right side from center line	30 m	
1.15	Proposed Service Road		

	a) Left side from center line	N/A	
	b) Right side from center line	N/A	
1.16	Whether proposal to lay transmissio line is after the service road or between the service road and main carriageway	N/A	
	a) Carrying of sewerage / gas pipelines on highway bridges shall not be permitted as Furnes / Gases pipes can accelerate the process of correction or may cause explasion thus, being much more injurious than leakage or water.	N/A	
	b) Carrying of transmission lines on bridges shall also be discouraged, However, if the authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalised, they may be promoted to carry the line ion independent superstructure, supported on extended portions of pipes and abutments in such a manner that in that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.	Agreed	
	c) Cost of required extension of the substructure as well as that of the supporting superstructure hall be borne by the agenc in charge of the utilities.	N/A	
	d) Services are not being allowed indiscriminately on the parapet / any part of the bridges. Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry' Project Chief Engineers only.	N/A	
1.17	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 expense of the agency owing the line.	N/A	
	a) Existing drainage structures shall not be allowed to carry the lines.	N/A	
	b) is it on line normal to NH	YES	
	c) Crossings shll not be too near the existing structures on the National Highway, the .		
1.18	minimum distance being 15 meters, what is the distance from the existing structures	Distance from the nearest structure	

Site Engineer

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Project Implementation Unit-Dhenkanal

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Dhenkanal/P.I.U., Dhenkanal
Additional Manager (Elect.)
CODL Division, Dhenkanal.

1.19	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.	YES	
1.20	Ends of the casing / conduit pipe shall be sealed from the out so that it does not act as a drainage path.	Yes	
1.21	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 below the drain inverts.	N/A	
1.22	Crossing shall be by boring methods (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	N/A	
1.23	The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the intimation of a waterway along it.	N/A	
1.24	Document/Drawings enclosed with the proposal.	N/A	
1.25	Cross section showing the size of trenches for open trenching method (is it normal size of 1.2m deep x 0.3m wide)		
1.26	Should not be greater than 60cm wider than the other diameter the pipe.	N/A	
1.27	Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center - lines of the nearest carriageway.	N/A	
1.28	Shall not be permitted to run along the National Highways when the road formation is suited in double cutting. Now shall be laid over the existing culverts and bridges.	N/A	
1.29	These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct.	N/A	
1.30	Cross section showing the size of pit for erection of RSJ pole.	N/A	
1.31	Trip plan, Route plan showing Transmission line, Chainage width of ROW, distance of proposed line from the edge of ROW, important mile sote, Intersections, Cross drainage works etc.	Incorporated in the Drawing.	
1.32	Methdology for erection of transmission line	Attached	

1.33	Open trenching method (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type, If yes Methodology or refilling of Trench.	N/A	
1.34	The trench width should be least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	N/A	
1.35	For filling of the trench, Bedding shall be consist of granular material, free of lumps clods and cobbles and graded to yield a firm surfacr without sudden change in the bearing value, Unsuitable soil and rock edged should be excavated and replaced by selected material.	N/A	
1.36	The backfill shall be completed in two stage (i) side fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	N/A	
1.37	The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tempering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall compacted to the same density as the material that had been removed. Consolidation by saturation or pending will be permitted.	N/A	
1.38	The road crust shall be built to the same strength is the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	N/A	
1.39	The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Yes Agreed	
1.40	If required, a diversion shall be constructed at the expense of agency owing the utility line.	Yes Agreed	
1.41	Transmission line erection Method.	Enclosed	
1.42	Laying of transmission line through CD works and method of laying.	N/A	
1.43	On approaches, the lines / cable shall be carried along a line as close to the edge of the right of way as possible up a distance of 30 M from the bridge and subject to all other stipulations contained in	Agreed	
1.44	this Ministry's guidelines issued with letter No. NH-HL/P/66/76 dated 19.11.1976		
1.45	Draft License Agreement signed by two Witness	Yes Agreed and enclosed	

1.46	Performance Bank Guarantee in favour of NHAI has to obtained @ Rs. 50/- per running	Yes Agreed and enclosed	
1.47	Refer (Parallel to NH) and Rs. 1,00,000/- per crossing of NH for a period of one year initially (demandable if required till satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the cables / ducts by proper filling and compaction. cleaning debris / loose earth produced due to execution of trenching at least 50 m away from the edge of the right of way to payment shall be payable by the NHAI to the licensee for clearing debris / Loose earth.	Submitted as intimated by NH	
1.48	Performance BG as per above is to be obtained.	BG will be submitted as intimated by NH	
1.49	Confirmation of BH has been obtained as per NHAI pipelines.	Yes Agreed	
1.50	Affidavit / Undertaking from the Applicant for		
	not to damage to other utility. If damaged then to say the loss either to NHAI or to the concerned agency.	Yes and undertake Enclosed.	
	Renewal of Bank Guarantee	Shall be submitted	
	Confirming all standard condition of NHAI's pipeline	Yes and undertake Enclosed.	
	Shifting of water supply pipe line as and when required by NHAI at their own cost.	Yes and undertake Enclosed.	
	Shifting due to Laying / Widening of NH	Yes and undertake Enclosed.	
	Indemnity against all damage and claims clause (iv)	Yes and undertake Enclosed.	
	Traffic movement during laying of Transmission line to be managed by the applicant.	Yes and undertake Enclosed.	
	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes and undertake Enclosed.	
	Prior approval of the NHAI shall be obtained before undertaking any work of installation shifting or repairs of alternations the showing power supply line located in the National highway right of way.	Yes and undertake Enclosed.	
	Expenditure, if any, incurred by NHAI for repairing any damage caused to the national Highway by the laying, maintenance or shifting of the power supply line will be borne by the agency owning the line.	Yes and undertake Enclosed.	

Site
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PROJECT DIRECTOR
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National Highways Authority of India
पञ्चमाल/ P.I.U., Dhenkanal
Divisional Manager (Elect.)
PCODL Division, Dhenkanal.

	If the NHAI considers it necessary in future to move the power line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost reasonable time (not exceeding 60 days) of the intimation given.	Yes and undertake Enclosed.	
	Certificate from the applicant in the following.	Certificate and undertake	
	Erection of power supply line will not have any deleterious effects on any of the bridge components and roadway safety traffic. For 6-lanning "We do undertake that I will relocate service road / approach road / utilities at my own cost not with standing the permission granted within such time as will be stipulated to NHAI "for further six lanning of any other development".	Enclosed	
	He will sign the agreement on behalf of power supply line agency	Executive Engineer, TPCODL Division, Dhenkanal	
	Certificate from the Project Director	Enclosed	
	Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-41 (58)68 dated 31.01.1979, Ministry Circular No. (P)/66/76, dated 18/19.11.1976, Ministry Circular No. RW/NH-0037/1/86-DOI (ii) DATED 28.07.1993, Ministry Circular No. RW/NH-0037/1/86/DOI dated 19.01.1995, Ministry Circular No. RW/NH-006/2/95/S&r dated 25.10.1999 and Ministry Circular No. RW/N/0066/7/2003 S&R (B) dated 17.09.2003. Ministry Circular No. RW/NH/P/66/76 dated 11.05.1982.	Enclosed	
	Certificate from PD in the format. It is certified that any other location of the Transmission line would be extremely difficult and unreasonably costly and the installation of Transmission line within ROW will not adversely affect the desigibility and traffic safety of the highway nor the likely future improvement. Such as widening of the carriageway, easing of ourv.	Enclosed	
	For 6 - lanning	Agreed	
	Where feasibility is available "I do certify that there will be no advance to proposed six-laning based on the feasibility report considering proposed structure at the said location.		

S. S. 4/5
 National Highway Project Implementation Unit-Dhenkanal
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 TPCODL Division, Dhenkanal.

In case feasibility report is not available "I do certify that sufficient ROW is available at side for accommodating proposed six-laning.	N/A	
NHAI section proposed to be taken up by NHAI BOT basis-a clause is to be inserted in the agreement. "The permitted Highway on which licensee has been granted the right to lay cable / duct has also been granted as a right of way to the concessionaire under the concessionaire agreement for up-gradation of (..... Section from Km to Km of NH No. on Build operate and transfer basis) and therefore, the licensee shall honour the same.	Clause is inserted in the agreement.	
Who will supervise the work of erection of transmission line.	Applicant	
Who will ensure that the defects in road portion after laying of line are corrected and if not corrected then what action will be then	Applicant	
Who will pay the claims for damages done / disruption in working concessionaire if asked by the concessionaire	Applicant	
Certificate from PD that he will enter the proposed permission as the register of records of the permission in the prescribed performa (copy enclosed)	Enclosed	
Any previous approval is accorded for laying of Transmission line then photocopy of register of records of permission awarded as maintained by PD then copy the enclosed.	N/A	

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