भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय,भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt of India)
क्षेत्रीय कार्यालय, ओड़िशा /Regional Office, Odisha
301 - ए, तीसरी मंजिल, पाल हाईटस, प्लाट् नं जे/7, जयदेव विहार, भुवनेश्वर - 751013, ओड़िशा
301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha
अदुरभाष /Ph.: 0674 - 2361470/ 570/670 (का/O),फैक्स /Fax : +91-674-2361770
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NHAI/13011/54/RO/OD/586 /2023 14.02.2023

To

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

Sub: Rehabilitation& up gradation of existing two lane to four lane standards from End of Kamakhyanagar Bypass to Duburi section of (Km.335+946 to Km.388+382) of NH-53 in the State of Odisha under NHDP-III- Permission for erection of 33 kV Transmission line along the NH-53 for Mega Lift Irrigation Projects, DMF Cluster- Reg

Sir,

Please find enclosed herewith a proposal of Executive Engineer, Mega Lift Project, Bhubaneswar regarding Permission for laying of erection of 33 kV Transmission line along the NH-53 for Mega Lift Irrigation Projects, DMF Cluster. The details are as under:

Sl. No.	Chainage From	To	Side	Length (meter)	Remark
1.	Km. 387+700	Km. 388+250	LHS	2550	RSJ Poles & Transmission line
2.	Crossing at Km.388+250		-	-	
3.	Km.388+250	Km.388+600	RHS	350	

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 14.02.2023

(Abinash Behera)
Dy. Manager (Tech)

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NHAI/13011/54/RO/OD/ 585 /2023 14.02.2023

INVITATION OF PUBLIC COMMENTS

Sub: Rehabilitation& up gradation of existing two lane to four lane standards from End of Kamakhyanagar Bypass to Duburi section of (Km.335+946 to Km.388+382) of NH-53 in the State of Odisha under NHDP-III- Permission for erection of 33 kV Transmission line along the NH-53 for Mega Lift Irrigation Projects, DMF Cluster- Reg

Executive Engineer, Mega Lift Project, Bhubaneswar has submitted a proposal for laying of erection of 33 kV Transmission line along the NH-53 for Mega Lift Irrigation Projects, DMF Cluster. The details are as under:

Sl. No.	Chainage From	To	Side	Length (meter)	Remark
1.	Km. 387+700	Km. 388+250	LHS	2550	RSJ Poles & Transmission line
2.	Crossing at Km.388+250		-	-	
3.	Km.388+250	Km.388+600	RHS	350	

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".

14.02.2023

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 erection of RSJ pole for 33 KV Transmission line on NH No 53 from chainage 385+700 to 388+600.

Sl. No	Item	Information/ Status	Remarks
1.	General Information	Permission for erection of 33 KV transmission line at Chainage from 385+700 to 388+600 on NH-53 In Jajpur District.	
1.1	Name and Address of the Applicant/Agency	Executive Engineer, Mega Lift Projects Division, Bhubaneswar	
1.2	National Highway Number	NH-53	
1.3	State	Odisha	
1.4	Location	Nearby Jhumpani Chowk to Duburi	
1.5	(Chainage in km)	Road Ch:- from 385+700 KM to 388+600KM	
1.6	Length in Meters	2900	
1.7	Width of available ROW	Mention in Drawing	
	a) Left side from center line towards increasing chain age / km direction.		
	b) Right side from center line towards increasing chain age/km. direction.		
1.8	Proposal to erect Transmission line along with OFC	Transmission line will be laid on the RSJ pole along & across NH-53 at locations mentioned in Sl No.1.4 & 1.5	
	(a) Left side from center line towards increasing chainage/KM direction.	N/A	
	b) Right side from center line towards increasing chain age/km. direction.	N/A	
1.9	Proposal to acquire land	No NH land will be acquired for erection of transmission line.	
	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	
	If 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 lane with paved shoulders/4/6/8 lanes)	4 Lanes	
1.14	Service road existing or not	Yes	
	If yes then which side	Left Side	

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PIU Dhenkanal

Executive Engineer
National Highways Authority of India
Unit-Dhenkanal

Executive Engin
Mega Lift Projects D

	(a) Left side from center line	3 Nos	
	(b) Right side from center line		
1.15	Proposed Service Road	N/A	
	(a) left side from center line	N/A	
	(b) Right side from center line	N/A	
1.16	Whether proposal to lay transmission line is after the service road or between the service road and main carriageway.	N/A	
1.17	The permission for erection of transmission line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.	Agreed	
	a) Carrying of sewerage/gas pipelines on highway bridges shall not be permitted as Fumes / gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.	NA	
	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 finalized, they may be permitted to carry the line on independent superstructure, supported on extended portions of piers 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.	NA	
	c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency in charge of the utilities.	NA	
	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's Project Chief Engineers only.	NA	
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.	NA	
	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		

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Project Implementation Unit-Dhenkanal

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Irrigation Projects Divis
Bhubaneswar

	minimum distance being 15 meters. What is the distance from the existing structures/	Distance from nearest structure 15m	
	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.	Yes	
	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 to drain in cuts and toe of slope in the fills.	N/A	
	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 0.3m below the drain inverts.	N/A	
	h) Crossing shall be by boring methods (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	N/A	
	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.	N/A	
2.	Document/Drawings enclosed with the proposal.		
2.1	Cross section showing the size of trenches for open trenching method (is it normal size of 1.2m deep x 0.3m wide)	N/A	
	i) Should not be greater than 60cm wider than the outer diameter of the pipe.	N/A	
	II) 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	
	III) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Now shall these be laid over the existing culverts and bridges.	N/A	
	iv) These should be so laid that their top is at least 0.6meter below the ground level so as not to obstruct.	N/A	
2.2	Cross section showing the size of pit for erection of RSJ pole.	Attached	
2.3	Strip plan/Route plan showing Transmission line, chainage, width of ROW, distance of proposed line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Incorporated in the Drawing	
2.4	Methodology for erection of transmission line.	Attached	

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Executive Engineer

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, Methodology or refilling of trench.	N/A	
	(a) The trench width should be at least 30cm, but not more than 60cm wider than the outer diameter of the pipe.	N/A	
	(b)For filling of the trench, Bedding shall be 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.	N/A	
	(c) the backfill shall be completed in two stages (i) side fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	N/A	
	(d) The side fill shall 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.	N/A	
	(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.	N/A	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	Yes Agreed	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Yes Agreed	
2.4.2	Transmission line erection Method	Enclosed	
2.4.3	Laying of Tansmission line through CD works and method of laying.	N/A	
	(a)On approaches, the lines/cables shall be carried along a line as close to the edge of the right of way as possible up to a distance of 30m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. NH-HI/P/66/76 dated 19.11.1976	Agreed	
3.	Draft License Agreement signed by two witnesses	Yes, Agreed and enclosed	
4.	Performance Bank Guarantee in favour of NHAI has to obtained @ Rs.50/- per running	Yes, Agreed. BG will be	

	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 cables/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 licensee for clearing debris/loose earth.	submitted as intimated by NH	
4.1	Performance BG as per above is to be obtained	BG will be submitted as intimated by NH	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Yes Agreed	
5.	**Affidavit / Undertaking from the Applicant for**		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes and Undertake Enclosed	
5.2	Renewal of Bank Guarantee	Shall be submitted	
5.3	Confirming all standard condition of NHAI's guideline.	Yes and Undertake Enclosed	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost.	Yes and Undertake Enclosed	
5.5	Shifting due to 6 lanning / widening of NH	Yes and Undertake Enclosed	
5.6	Indemnity against all damage and claims clause (xxiv)	Yes and Undertake Enclosed	
5.7	Traffic movement during laying of Transmission line to be managed by the applicant.	Yes and Undertake Enclosed	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes and Undertake Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, of alternations to the showing power supply line located in the National highway right of ways.	Yes and Undertake Enclosed	
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 power supply line will be borne by the agency owning the line.	Yes and Undertake Enclosed	
5.11	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 of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes and Undertake Enclosed	
5.12	Certificate from the applicant in the following	Certificate and Undertake	

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	format. (i) Erection of power supply line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) for 6-lanning "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 six lanning of any other development".	Enclosed	
6.	Who will sign the agreement on behalf of power supply line agency.	Executive Engineer, Mega lift projects division, Bhubaneswar	
7.	**Certificate from the project Director**		
7.1	Certificate for confirming of all standard condition issued vide Ministry circular No. Ministry Circular No. NH-41 (58)/68 dated 31.01.1969, Ministry Circular No. NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular No. RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995, Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003. Ministry Circular No. RW/NH-111/P/66/76 dated 11.05.1982.	Enclosed	
7.2	Certificate from PD in the following 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 design, stability & traffic safety of the highway nor the likely future improvement. Such as widening of the carriageway, easing of curve etc."	Enclosed	
	i) for 6- lanning	Agreed	
	a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structure at the said location		
	(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six –laning.	NA	
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 cable/duct has also been granted as a right of way to the concessionaire under the	Clause is inserted in the agreement	

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	concession 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."		
9.	Who will supervise the work of erection of transmission line.	Applicant	
10.	Who will ensure that the defects in road portion after laying of line are corrected and if not corrected then what action will be taken.	Applicant	
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 of records of the permissions in the prescribed proforma (copy enclosed)	Enclosed	
13.	If any previous approval is accorded for laying of Transmission line then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	NA	

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18/04/22
Executive Engineer
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