No. RO/LKO/US/NH-35(76E)/Km.252.200/2020/ 903

Government of India
Ministry of Road Transport &Highways
(Chief Engineer - Regional Office, Lucknow)

N.H. Bhawan, Biotech Chowk, Lucknow Ring Road, Vikas Nagar, Lucknow - 226 022
Ph.: (0522) - 2967112, 2738226 (Tele-Fax)

Dated: 05.06.2020

Invitation of public comments

Sub.: Proposal for NOC of 132 KV D/C overhead transmission line from Meja Thermal Power Plant to Bijaura crossing at Km.252.200 on NH-35 (76E) in Allahabad Mirzapur Section near Village - Kathauli Tappa Chaurasi, Mejaroad, Meja, District - Prayagraj in the State of Uttar Pradesh - Reg.

M/s Meja Urja Nigam (P) Limited, Prayagraj has submitted the proposal for overhead crossing of 132 KV D/C overhead Transmission Line on NH-35(76E) at Km.252.200 near Village - Kathauli Tappa Chaurasi, Mejaroad, Meja, District - Prayagraj in the State of Uttar Pradesh to Executive Engineer, NH Division - 1, PWD, Prayagraj for consideration.

2. From the submitted proposal, it is seen that the height of both the pylons on which the proposed overhead line is hanging is 35.704m. The pylons on either side are erected at distance of 155.0m & 73.80m from the National Highway boundary. Further, it noted that the minimum clearance between the lowest conductor of the proposed line and NH carriageway is 16.26m. However, the proposed transmission line shall be crossing the National highway at 92 degree.

3. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

4. In view of the above, comments of public on the above application is invited to the below mentioned address:

The Chief Engineer - Regional Officer,
Ministry of Road Transport & Highways,
N.H. Bhawan, Biotech Chowk, Lucknow Ring Road,
Vikas Nagar, Lucknow - 226 022.

Yours faithfully,

Encl.: As above

(Ruchir Agarwal)
Assistant Executive Engineer
for Chief Engineer - Regional Officer

Copy to:

(i) NIC, New Delhi - for uploading on the Ministry's website.
(ii) The Chief Engineer (NH), UP PWD, Lucknow.
(iii) The Superintending Engineer, 18th Circle (NH), PWD, Prayagraj.
(iv) The Executive Engineer, NH Division - 1, UP PWD, Prayagraj.

(Ruchir Agarwal)
Assistant Executive Engineer
for Chief Engineer - Regional Officer

CHECK LIST

SL NO	DESCRIPTION	DETAILS
1.	National Highway Number	NH-35
2.	Name of crossing	ALLAHABAD TO MIRZAPUR (NH-35)
3.	Crossing at Chainage	Between KM-35/252 & KM-35/253
4.	Position of tower	Outside the ROW of NH35
5.	Crossing span	236 MTR
6.	Clearance over the road Level	16.26 MTR
7.	Angle of road crossing	92*54'27"
8.	Distance from NH boundary to centre of tower	Tower no-67/AP30(DB+05)- 155.0M Tower no 68/AP31 (DB+05) -73.8M
9.	Perpendicular Distance from centre Of tower to centre of road	Tower no-67/AP30(DB+05)- 158.6M Tower no 68/AP31 (DB+05) -77.4M
10.	Protection of assembly to the line	NA
11.	No. of stay required	No stay required
12.	Minimum Factor of Safety	4.545
13.	Size of power conductor mm.	ACSR PANTHER (30/3.00mm AL +7/3.00mm STEEL
14.	Size of earth wire	7/3.15mm (SWG) Galvanized steel wire.

Assistant Engineer
N. H. Div.-1 P.W.D.
PRAYAGRAJ

Executive Engineer
N.H. Division-1, P.W.D.
Prayagraj

एस. बी. सिंह / S. B. SINGH
अपर महाप्रबन्धक (ई.ई.) / Addl. General Manager (E.E.)
मेजा ऊर्जा निगम (प्रा.) लि., इलाहाबाद
Meja Urja Nigam (Pvt.) Ltd., Allahabad
(एनटीपीसी लि.एवं यू.पी.आर.वी.यू.एन.लि. का संयुक्त उपक्रम)
(A Joint Venture of NTPC Ltd. & UPRVUN Ltd.)

132 KV D/C TRANSMISSION LINE FROM MEJA THERMAL POWER PROJECT TO BIJAURA PUMP HOUSE,UNDER ALLAHABAD SECTION CROSSING OF ALLAHABAD -MIRZAPUR NATIONAL HIGHWAY-35 AT CHAINAGE 35/251-35/252 KM FROM ALLAHABAD BETWEEN ANGLE TOWER LOCATION NO AP-30/(DB+05) TO AP-31/(DB+05) OF MUNPL

CROSSING OF NATIONAL,, HIGHWAY BY MUNPL OVERHEAD TRANSMISSION LINE

Name of transmission line:-132 KV D/C MEJA THERMAL PROJECT-BIJAURA MUPPH LINE ASSOCIATED WITH MUNPL

1.	Situation of the EHV transmission line crossing on national Highway	On ALLAHABAD – MIRZAPUR National Highway (NH-35) Near Village – KATHAULI TAPPA CHAURASI, MEJAROAD,MEJA ,PRAYAGRAJ,UP
2.	Site Plan showing location of crossing (with NH boundaries) in reference to NH Mileage to be supplied on quadruplicate...	Drawing enclosed
3.	Angle of crossing of transmission line with the National Highway at crossing point	92*54'27"
4.	The length of the span at crossing and also those on either side of the crossing	Crossing span :-236m Preceding span:-313m Succeeding span:-305m
5.	In the event of the transmission line deviating at any of the supports of the crossing necessitating one of the structures to be a corner structure, state angle of such deviation the deviation of the span on either side of crossing shall be illustrated in the sketch mentioned in the clause 2 above	Angle tower location No: AP-30/(DB+05) AP-31/(DB+05)
6.	The number , size and the material of the conductors and wires crossing the NH each wire under p'hase neutral each guard bearer and ground cross wire should be separate(y described and their disposition indicated by means of sketch.	03 NOS,ACSR PANTHER (30/3.00mm AL +7/3.00mm STEEL ACSR PANTHER (30/3.00mm AL +7/3.00mm STEEL
7.	Indicate whether the proposed guard is to be restricted to the crossing span or it is to be continued over the adjacent	No guard wire is provided high speed impedance relays provided at the substation both the ends.
8.	The dilation of the span on either side on the crossing shall be illustrated in the sketch mentioned in the clause 2 above	Drawing enclosed
9.	System of supply (I.e. Voltage) frequency, No. of phases, whether neutral is earthed or not.	132 KV D/C 50Hz Cycle 3 Phase AC Supply & 01 No. Earth wire Continuous running on the top from MEJA THERMAL POWER PROJECT- BIJAURA S/S
10.	Height of structure above ground and below ground separately and details of foundation	Tower No 67&68/AP-30 & 31(DB+05) is 35.704 Mtr above the ground level and 3 mtr. Below ground level RCC Foundation. Details of Foundation are shown in enclosed drawing.
11.	Height above ground level of (1) lowest conductor on insulator and (2) guard wire on bracket above ground leve|.	Angle Tower Location No. 67/AP30 (DB+05) 21.80 mtr NA

Assistant Engineer
N. H. Div.-1 P.W.D.
PRAYAGRAJ

Executive Engineer
N.H. Division-1, P.W.D.
Prayagraj

एस. बी. सिंह / S. B. SINGH
अपर महाप्रबन्धक (इ.इ.) / Addl. General Manager (E.E.)
मेजा ऊर्जा निगम (प्रा.) लि., इलाहाबाद
Meja Urja Nigam (P) Ltd., Allahabad
(एन.टी.पी.सी लि.एवं उ.प्र.रा.वि.उ.नि.लि. का संयुक्त उपक्रम)
(A Joint Venture of NTPC Ltd. & UPRVUN Ltd.)

12.	Height of road level above ground level measured at the foot of the structure.	Angle Tower Location No. 67/AP30 (DB+05) 1.142Mtr Angle Tower Location No.68/AP31 (DB+05) 2.435 Mtr
13.	Clearance under maximum sag condition between road level and the lowest live conductors & between road level and lowest guard wire (State if BOX Type guarding is provided in case of adoptions of unearthed neutral system)	A) Conductor : maximum Sag 16.26 Mtr
14.	Ultimate tensile stress of the steel wire used for guard for earth wire in tones Sq.Cm.	NA
15.	Approximate distance of each of the structures to the nearest NH Boundary (marked by pillars/ fencing) measured along the alignment of the transmission line	A.Tower no-67/AP30(DB+05)- 155.0M B. Tower no 68/AP31 (DB+05) -73.8M
16.	Are the proposed structure is in NH boundary.	Outside NH boundary.
17.	Are approved anti-climbing devices and warning notices provided on the structures erected?	Warning boards are provided on both the towers.
18.	State the tensile strength and dimension of the steel used for construction of each member of the supporting structures It is to be noted that supporting structure must be of approved design confirming with I.S.I code of practice for use of structural steel in general building construction (IS 8001965)	Drawing Enclosed board based lattice Structure made for mild steel. (i) MS steel =410 N/sq.mm 59465.492 IDF/Sq.m
19.	In each structure of the crossing span Independently earthed by means of an earth plate.	Yes each structure is earthed
20.	In each structure supported by means of stage in three directions give the size of guy wires, (the neglected in calculating the strength of structure.)	No guys or stays are provided structures are self-supporting
21.	If no guard is provided in the transmission line protected by device to ensure instantaneous isolation is conduction?	Yes the transmission line is protected instantaneously by high speed protection relays with carrier equipment
22.	Type of insulators used	1-120 KN Tension insulator 2- 70 KN suspension Insulator
23.	State the method of maintenance to be employed to ensure the following protections. From over hanging or decaying trees which might fall on the line To reduce the hazard to life and property. Supporting structure including guys, from the danger of being struck by moving road vehicle	Tree clearance to a width 13.5M is done Warning boards are provided. Structures are at safe distance from road
24.	Drawing showing details of crossing disturbance of road ground or attachment that may be necessary	Enclosed

Assistant Engineer
N. H. Div.-1 P.W.D.
PRAYAGRAJ

Executive Engineer
N.H. Division-1, P.W.D.
Prayagraj

एस. बी. सिंह / S. B. SINGH
Addl. General Manager (E.E.)
Meja Urja Nigam (P) Ltd. Allahabad
(A Joint Venture of UPPCL Ltd. & UPRVUN Ltd.)