

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: 15.05.2019

Invitation of public comments

Sub.: Proposal for NOC for overhead crossing of 132 KV S/C line on DC tower from M/s Adani Green Energy (Solar Plant)-Dunara (220) Transmission line across NH-75, Gwalior - Jhansi road at Km.86.200 in the State of Uttar Pradesh - Reg.

1. The Executive Engineer, Electricity Transmission Division, UP Power Transmission Corporation Ltd., Jhansi has submitted the proposal for overhead crossing of 132 KV S/C line on DC tower from M/s Adani Green Energy (Solar Plant)-Dunara (220) Transmission line across NH-75, Gwalior - Jhansi road at Km.86.200 to the Project Director, NHAI, PIU, Gwalior. The Regional Officer, NHAI, Bhopal has submitted that the Project Director has examined the proposal in light of Ministry's OM No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016.

2. From the submitted proposal, it is seen that the height of both the pylons on which the proposed overhead line is hanging is 47.025m. The pylons on either side are erected at distance of 92.83m & 65.40m from the National Highway boundary. Further, it noted that the minimum clearance between the lowest conductor of the proposed line and NH carriageway is 21.00m. However, the proposed transmission line shall be crossing the National Highway at 82 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.

Encl.: As above

Yours faithfully,



(Lalit Pratap Pal)

Assistant Executive Engineer
for Chief Engineer - Regional Officer

Copy to:

- (i) NIC, New Delhi - for uploading on the Ministry's website.
- (ii) The Regional Officer, National Highways Authority of India, E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal - 462 016.



(Lalit Pratap Pal)

Assistant Executive Engineer
for Chief Engineer - Regional Officer

CHECKLIST

FOR NH-27 ROAD CROSSING BY 132 KV S/C LINE ON DC TOWER FROM, ADANI GREEN
NAME OF TRANSMISSION LINE : 132 KV D/C TOWER (DOUBLE CIRCUIT STRINGING) ADANI GREEN

S.NO	DESCRIPTION	DETAILS
1	NATIONAL HIGHWAY NO.	NH-75
2	CROSSING LINE NAME.	ADANI GREEN ENERGY(SOLAR PLANT) - DUNARA(220)T/L
3	CROSSING CHAINAGE.	15.80 KM FROM JHANSI,86.20 KM FROM GWALIOR(MILE STONE NO -NO)
4	SYSTEM OF SUPPLY (i.e VOLTAGE) FREQUENCY NO, OF PHASES, WHETHER NEUTRAL IS EARTHED OR NOT.	132 KV,6 PHASE DOUBLE CIRCUIT ,ONE EARTHWIRE
5	POSITION OF TOWER.	TOWER LOCATION AP-32/0 C60+15,TOWER LOCATION AP-33/0 C60+15
6	NORMAL SPAN OF PANTHER CONDUCTOR.	380 M
7	MAXIMUM SAG AT NORMAL SPAN.	6.10 M
8	CROSSING SPAN.	220 M
9	PRECEEDING SPAN WITH LOC.	AP-31/0 SPAN -360 M
10	HEIGHT OF TOWER STRUCTURE ABOVE GROUND AND BELOW GROUND SEPERATLY AND DETAILS OF FOUNDATION.	Height of C60+15 m tower above GL at Loc. No. 32/0 is 47.025 m and below GL is 3.0 m for foundation, Height of C60+15 m tower above GL at Loc. No. 33/0 is 47.025 m and below GL is 3.0 m for foundation.
11	SUCCEEDING SPAN WITH LOC.	AP-34/0 SPAN -300 M
12	MAXIMUM SAG OF ACSR PANTHER CONDUCTOR SIZE 30/3.0 mm AL,7/3.0 mm STEEL AT 75°C.	10.475 M
13	CLEARANCE OVER ROAD.	21.0 M
14	HEIGHT OF LOWER CONDUCTOR FROM GROUND LEVEL AT LOCATION.	31.80 M.
15	HEIGHT OF LOWER CONDUCTOR FROM ROAD LEVEL OF NH AT LOCATION.	21.0 M
16	ANGLE OF ROAD CROSSING.	82°
17	DISTANCE FROM NH BOUNDARY FROM CENTRE OF TOWER.	LOC.NO 32/0 = 92.83M ,LOC NO 33/0 =65.40M
18	PERPENDICULAR DISTANCE FROM CENTER OF TOWER TO CENTER OF ROAD.	LOC.NO 32/0 = 124.40M ,LOC NO 33/0 =95.60M
19	PROTECTION OF ASSEMBLY OF LINR.	ANTI CLIMBING DEVICE PROVIDED.
20	FOUNDATION TYPE.	FS
21	NO OF STAY REQUIRED.	NONE
22	MAX. FACTOR OF SAFETY.	2
23	SIZE OF POWER CONDUCTOR.	DIA - 21.0 mm WEIGHT =0.976 KG/mtr.
24	SIZE OF EARTH WIRE.	DIA - 7*3.25 mm WEIGHT =0.460 KG/mtr.
25	TWO LEGS OF TOWER EARTHED.	PIT - A & C.
26	PLAIN PAPER DIAGRAM.	PROFILE (ENCLOSED).
27	EARTHING.	PIPE TYPE .



Executive Engineer
Electricity Transmission Division
U.P. Power Transmission Corpn. Ltd.,
JHANSI