

Dated: 30.01.2019

Invitation of public comments

Sub.: Proposal for NOC for erection of overhead crossing of 132 KV S/C line on DC tower from Adani Green Energy (Solar Plant) - Dunara (220 Sub Station) transmission line on NH-27 at Km. 1372.644, near village - Dagarwaha, District - Jhansi of Baran - Shivpuri - Jhansi section in the State of Uttar Pradesh - Reg.

1. The Executive Engineer, Electricity Transmission Division, UP Power Transmission Corporation Limited, Jhansi has submitted the proposal for NOC for crossing of overhead crossing of 132 KV S/C line on DC tower from Adani Green Energy (Solar Plant) - Dunara (220 Sub Station) transmission line on NH-27 at Km. 1372.644, near village - Dagarwaha, District - Jhansi of Baran - Shivpuri - Jhansi section in the State of Uttar Pradesh to the Project Director, NHAI, PIU, Shivpuri.

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 115.50m & 78.80m from the National Highway boundary. Further, it has been noted that the minimum clearance between the lowest conductor of the proposed line and NH carriageway is 21.0m.

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 the 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


(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 Project Director, NHAI, PIU, Narendra Nagar, Chattri Road, Near Wool House, Shivpuri (MP) - 473 551.


(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 ENERGY(SOLAR PLANT) TO DUNARA(220) T/L

NAME OF TRANSMISSION LINE : 132 KV D/C TOWER (DOUBLE CIRCUIT STRINGING) ADANI GREEN ENERGY(SOLAR PLANT) - DUNARA(220)

S.NO	DESCRIPTION	DETAILS
1	NATIONAL HIGHWAY NO.	NH-27
2	CROSSING LINE NAME.	ADANI GREEN ENERGY(SOLAR PLANT) - DUNARA(220)T/L
3	CROSSING CHAINAGE.	15.356 KM FROM JHANSI,29.644 KM FROM KARERA(MILE STONE NO -1373 & 1372)
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-48/0 C60+15,TOWER LOCATION AP-49/0 C60+15
6	NORMAL SPAN OF PANTHER CONDUCTOR.	380 M
7	MAXIMUM SAG AT NORMAL SPAN.	6.10 M
8	CROSSING SPAN.	240 M
9	PRECEEDING SPAN WITH LOC.	AP-47/0 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. 48/0 is 47.025 m and below GL is 3.0 m for foundation, Height of C60+15 m tower above GL at Loc. No. 49/0 is 47.025 m and below GL is 3.0 m for foundation.
11	SUCCEEDING SPAN WITH LOC.	AP-50/0 SPAN -360 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.	90°
17	DISTANCE FROM NH BOUNDARY FROM CENTRE OF TOWER.	LOC.NO 48/0 = 115.50 M ,LOC NO 49/0 =78.80 M
18	PERPENDICULAR DISTANCE FROM CENTER OF TOWER TO CENTER OF ROAD.	LOC.NO 48/0 = 138.11 M ,LOC NO 49/0 =101.89 M
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.