भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)
क्षेत्रीय कार्यालय–पश्चिम उ०प्र०, लखनऊ
Regional Office - West UP, Lucknow.
3/248, विशाल खण्ड, गोमती नगर, लखनऊ–226010 (उ.प्र.)
3/248, Vishal Khand, Gomti Nagar, Lucknow-226010 (UP)

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19001/1/RO-W-UP/NH-91/Ch.376.600/132KV/333.

Dated: 28.07.2020

Invitation of Public Comments

Sub: Submission of NH-91 crossing proposal for LILO of 132KN SC Bangarmau-Mallawan (Sandila) @ NTPC Solar Plant Bilhaur Transmission Line - reg.

The Executive Engineer, ETD, UPPTCL, Unnao has submitted the proposal for over head crossing of National Highway-91 by 132kv S/C Bangarmau-Mallawan (Sandila) @ NTPC Solar Plant Bilhaur Transmission Line between Ch. 376 & Ch. 377 at crossing Ch. 376.600.

2. From the submitted proposal, it is seen that the height of both proposed structures (Transmission Towers) on which the proposed overhead line is hanging is 47.250m & 47.250m. The Length of crossing Span is 212m. The structures (Transmission Towers) on either side are being erected at distance of 48.5m & 128.5m respectively from either side of NH boundary. Further, the minimum clearance of 32.025m between the lowest conductor of the proposed line and NH carriageway shall be maintained. However, the proposed transmission line shall be crossing the National Highway at 90^0 angle.

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, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained

The General Manager cum Regional Officer,
National Highways Authority of India
Regional Office, UP-West, Lucknow
3/248, Vishal Khand, Gomti Nagar
Lucknow-226 010

This issues with the approval of RO-West (UP).

Encl: As above.

(A. R. Chitranshi)
DGM (Tech.)
For RO-West, UP

Copy to:
1. Web Admin, NHAI-HQ- with request for uploading on the NHAI website.
2. The Technical Director, NIC, Transport Bhawan, New Delhi- with request for uploading on the Ministry's website.
3. The EE, ETD, UPPTCL, Unnao for information.
4. The PD, PIU-Kannauj for information.

REVISED CHECK-LIST

FOR NH-91 ROAD CROSSING BY LILO OF 132 KV SC BANGARMAU-MALLAWAN @ NTPC SOLAR PLANT BILHAUR TRANSMISSION LINE

(Ref. No. :- NHAI/PIU-KNJ/18011/NOC/1364, Dt. 03.06.2020)

Sl. No.	Description	Details
1.	Nation Highway Number	NH-91
2.	Name of Crossing	Ghaziabad to Kanpur
3.	System of Supply (i.e. Voltage) Frequency No. of Phases, Whether Neutral is earthed or not	132 KV D/C 3 Phase 50 cycle AC and 1 OPGW
4.	Position of towers	Between LOC No. 44/0 (DC+15) & 45/0 (DC+15)
5.	Normal span at lapwing conductor	380 M
6.	Max. Sag at normal span	10.475 M
7.	Crossing span	212 M
8.	Preceding span	336 M
9.	Succeeding pan	312 M
10	Height of structure above ground and below ground separately and details of foundation	A) Location No. 44/0 (DC+15) height above GL 47.250M depth below GL 3.00M
		B) Location No. 45/0 (DC+15) height above GL 47.250M depth below GL 3.00 M
11.	Max. Sag of panther Conductor size 30/3.00mm AL+7/3.00mm t crossing	2.74 M
12.	a) Clearance over road	25.60 M
	b) Clearance over proposed FRL	25.60 - 9.0 = 16.60 Mtr.
13	Height above ground level of (1) Lowest conductor on insulator and (2) Guard wire on backet above ground level	32.025 M
14.	Height of road level above ground level measured at the foot of the structure	Location No. 44/0 DC+15=3.26M Location No. 45/0 DC+15=3.28M
15.	Angle of road crossing	90°00'00"
16.	Distance from NH Boundary From centre of tower	Loc. No. 44/0 (DC+15) =48.5M Loc. No. 45/0 (DC+15)=128.5M
17.	Perpendicular distance from centre of tower to centre of road	Loc. No. 44/0 (DC+15) = 83.5M Loc. No. 45/0 (DC+15) = 128.5 M
18.	Protection of assembly to the line	NA
19.	No. of stay required	No
20.	Minimum Factor of Safety	2.
21.	Size of power conductor mm.	Panther Conductor over all dia 21.0MM)
22.	Size of Earth Wire/OPGW	OPGW Dia 11.01mm
23.	FOUNDATION TYPE	FS
24.	PLAN PAPER DIAGRAM	Profile (Submitted)
25.	EARTHING	Pipe Type Earthing

Gaurav Gupta
Project Director
National Highways Authority Of India
PIU KANNAUJ

06/06/20
Executive Engineer
Electycity Transmission Division
Dahi Chowki-Unnao

CHECK-LIST

FOR NH –27 ROAD CROSSING BY LILO OF 132 KV SC BANGARMAU-MALLAWAN@NTPC SOLAR PLANT BILHAUR T/LINE.

S.NO.	DESCRIPTION	DETAILS
1.	National Highway Number	NH-91
2.	Name of Crossing	Ghaziabad To Kanpur
3.	SYSTEM OF SUPPLY (i.e VOLTAGE) FREQUENCY NO.OF PHASES,WHETHER NEUTRAL IS EARHTED OR NOT	132 K.V.D/C 3 phase 50 cycles A.C. AND 1 OPGW.
4.	Position of towers	BETWEEN LOC. NO.44/0 (DC+15) & 45/0 (DC+15)
5.	NORMAL SPAN ATLAPWING CONDUCTOR	380 M.
6.	MAX.SAG AT NORMAL SPAN	10.475 M.
7.	CROSSING SPAN	212 M.
8.	Preceding span	336 M.
9.	Succeeding span	312 M.
10.	Height of structure above ground and below ground separately and details of foundation	A) Location No.44/0 (DC+15) height above GL 47.250 M depth below GL 3.00M. B) Location No.45/0 (DC+15) height above GL 47.250 M depth below GL 3.00M
11.	Max.SAG OF Panther CONDUCTOR SIZE *30/3.00mm AL+7 /3.00mm at* Crossing	2.74 M
12.	CLEARANCE OVER ROAD	25.60 M
13.	Height above ground level of (1) Lowest conductor on insulator and (2) guard wire on bracket above ground level	32.025 M.

Gaurav Gupta
Project Director
National Highways Authority Of India
PIU KANNAUJ

ELECITY TRANSMISSION DIVISION
UPPTCL, UNNAO

14.	Height of road level above ground level measured at the foot of the structure.	Location No. 44/0 DC+15 = 3.260M. Location No. 45/0 DC+15 = 3.280 M
15.	Angle of road crossing	90^0 00' 00"
16.	Distance from NH Boundary From center of tower	Loc. No. 44/0 (DC+15) = 48.5 M. Loc. No. 45/0 (DC+15) = 120.5 M
17.	Perpendicular distance from center of tower to center of road	Loc. No. 44/0 (DC+15) = 83.5 M. Loc. No. 45/0 (DC+15) = 128.5 M
18.	Protection of assembly to the line	NA
19.	No. of stay required	NO.
20.	Minimum Factor of Safety	2.
21.	Size of power conductor mm.	Panther Conductor over all dia.21.0 MM)
22.	Size of Earth Wire/OPGW	OPGW Dia 11.01 mm
23.	FOUNDATION TYPE	FS
24.	PLAN PAPER DIAGRAM	PROFILE (ENCLOSED)
25.	EARTHING	PIPE TYPE EARTHING

EXECUTIVE ENGINEER
ELECITY TRANSMISSION DIVISION
UPPTCL, UNNAO

Gaurav Gupta
Project Director
National Highways Authority Of India
PIU KANNAUJ