



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)



परियोजना निदेशक का कार्यालय, परियोजना कार्यान्वयन इकाई – कानपुर
Office of the Project Director, Project Implementation Unit - Kanpur

म.नं. 337-डी, श्याम नगर, कानपुर - 208013 • House No. 337-D, Shyam Nagar, Kanpur - 208013
दूरभाष / Phone: (3512) 2630154 • ई-मेल / e-mail: knp@nhai.org

NHAI/13028/PIU/KNP/Ch.401+470/NH-34/2025/NOC/1227

Dated: 25 July 2025

Invitation of Public Comments

Sub : Proposal for 765 KV S/C (Quad) Mainpuri - Unnao Transmission Line Overhead crossing at Ch. 401+470 on NH-34, Aligarh - Kanpur Section in the State of Uttar Pradesh.

The South East U.P. Power Transmission Co. Ltd., Lucknow has submitted the proposal for 765 KV S/C (Quad) Mainpuri - Unnao Transmission Line Overhead crossing at Ch. 401+470 on NH-34, Aligarh - Kanpur Section in the State of Uttar Pradesh.

From the submitted proposal, it is seen that the crossing length is proposed 60 m at Ch.401+470 on NH-34. Width of available ROW in LHS & RHS side is 30 m - 30 m from center of NH. The exiting NH is 4/6-lane divided carriageway.

As per the guidelines, issued by the MoRT&H Circular No. RW/NH-33044/29/2015/S&R (R) (dtd. 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)

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.

उप महाप्रबंधक (तकनीकी)/परियोजना निदेशक
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
D - 337, श्याम नगर,
कानपुर - 208013

यह पत्र क्षेत्रीय अधिकारी - उ० प्र० (पश्चिम) के अनुमोदनोपरान्त जारी किया जा रहा है।
संलग्न: उपरोक्तानुसार।

(Signature)
(पंकज यादव)
परियोजना निदेशक

Copy to:

1. Regional Officer (West)-UP, NHAI, 3/248, Vishal Khand, Gomati Nagar, Lucknow.
2. The web admin, NHAI- HQ- with request for uploading on the NHAI website.
3. South East U.P. Power Transmission Company Limited.

SOUTH EASTU.P. POWER TRANSMISSION COMPANY LIMITED

Crossing of Kanpur-Delhi Expressway (Kanpur-Delhi) for the construction of 765 KV S/C (Quad) Mainpuri - Unnao Transmission line

Name of Transmission Line: 765KV S/C (Quad) Mainpuri-Unnao Transmission line

S.NO	DESCRIPTION	DETAILS
1	Situation of EHV Transmission line crossing on NH-34 KANPUR-ALIGARH	Between Uttaripura-Dasa Niwada Near Uttaripura Village
2	Site plan showing location of crossing (with Expressway boundaries) in reference to Highway Mileage and Telegraph posts or electric structure on electric transaction are a to be supplied on quarduplicate	Drawing No. TPL/ SEUPPTCL/P2/MNP-UNO/01 is enclosed herewith.
3	Angle of crossing of the transmission line with the National Highway at crossing point	At 65° angle.
4	The length of the span at the crossing and also those on either side of the crossing	Crossing Span-243 Mtr. Preceeding Span= 407 Mtr. Succeeding Span= 375 Mtr
5	In the event of the transmission line deviating at any of the supports crossing necessitating one of the structure to be a corner structures, state angle of such deviation. The deviation of the span on either side of the crossing shall be illustrated in the sketch mentioned in the claused 3 above.	Angle Tower Loc No 55A/0 : (SQD+3), / 12°41'60"LT 55B/0:(SQD+6),/ 10°00'00"RT
6	The number, size and the material of the conductors and wires crossing the tracks each wire under phase, neutral each guard , bearer and ground , cross wire should be sepertaly described and their disposit on indicated by means of sktech.	A) BERSIMIS Conductor dia 35.05mm, No. of Conductor - 3 x 4 Nos.Unit weighth 2.181 kg/m B) Aluminium - 54/3.53mm, Steel - 7/3.53 mm C) Earthwire - 7/3.66 mm (Steel), no. of Earthwire - 1 Nos. D) Opgw - 63.71 mm (Steel), no. of opgw - 1
7	Indicate whether the proposed guard is to be restricted to the crossing span or it is to be continued over the adjacent span.	No guard wire is provided, as it is not applicable for EHV transmission line.
8	The deviation of the span on either side on the crossing shall be illustrated in the sketch mentioned in the clause 3 above.	Enclosed in the Drawing.
9	System of supply (i.e voltage) frequency , No of phases , whether neutral is earthed or not.	765 KV,Single Circuit 3 Phase with 1 earth wire & 1 Opgw
10	Height of structure above ground and below ground separtly and details of foundation.	Angle Tower Location No.55A/0; Tower type -SQD+3 M; Height above GL-44.260 MTr, Foundation Depth below GL-3.50 M. Angle Tower Location No.55B/0 ; Tower type -SQD+6 M; Height above GL-47.260 MTr, Foundation Depth below GL-3.50 M.
11	Height above ground level of (1) Lowest conductor on insulator and (2) guard wire on bracket above ground level.	Angle Tower Location no. 55A/0 ;Tower Type SQD+3 M; Height above GL- to lowest condutor point=23.10 Mtr. Angle Tower Location No. 55B/0; Tower Type SQD+6 M; Height above GL- to lowest condutor point=23.70 Mtr
12	Height of road level above ground level measured at the foot of the structure	Angle Tower Loc no. 55A/0 (SQD+3) : 3.980 Mtr 55B/0 (SQD+6) : 4.210Mtr
13	Clearence under maximum sag condition between road level and the lowest live conductors & between road level and lowest guard wire(state if 'box' tpe guarding is provided in the case of adoptions of un-earthed neutralsystem).	AT crossing point=23.7 Mtr <i>23.10 mtr</i>

Ali Khan

Resident Engineer
SA Infrastructure Consultants Pvt. Ltd



14	Ultimate tensile stress of the steel wire used for guard for earth wire in tones per sq. Cms.	Not applicable.
15	Approximately distance of each of the structures to the nearest NH Fencing boundary (marked by pillars /Fencing) measured along the alignment of the transmission line	Angle Tower Location No. 55A/0, SQD+3 = 118.09M 55B/0, SQD+6 = 64.1M
16	Are the proposed structure is in NH Fencing boundary	Out side the NH Fencing Boundary.
17	Are approved ACD devices and warning notices provided on the erected structures	Anticlimbing devices & Warning boards are provided on both the Towers.
18	Estimated block time to finish the job.	Not required, we shall take precautions to provide supporting structures both side of roads.
19	Dimensions and types of brackets used for the cross arms as well as guard wires.	Please see the enclosed drawing. Guard wire not applicable for EHV transmission line.
20	In each structures of the crossing span independently earthed by means of an earth plate.	Yes, each structures will be independently earthed by pipe type of earthing as shown in the drawing.
21	In each structures supported by means of stages in three directions give the size of guy wires (the neglected in calculating the strength of structures)	No guys or stays are provided as structures are self supported
22	If no guard wire 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
23	Type of insulator used.	210 KN Composite Long rod insulators.
24	State the mentioned of maintenance to be employed to ensure the following protections:	
a.	From overhanging or decaying trees which might fall on the line.	Tree clearance to a width of 35.05 Mtr is kept on both side from the center of the tower.
b.	To reduce the hazard to life and property.	Warning boards are provided.
c.	Supporting structure including guys, from the danger of being struck by moving road vehicle.	Structures are at safe distance from road.
25	Drawing showing details of crossing disturbance of road ground or attachment that may be necessary (to be quadruplicate)	Enclosed



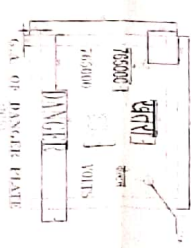
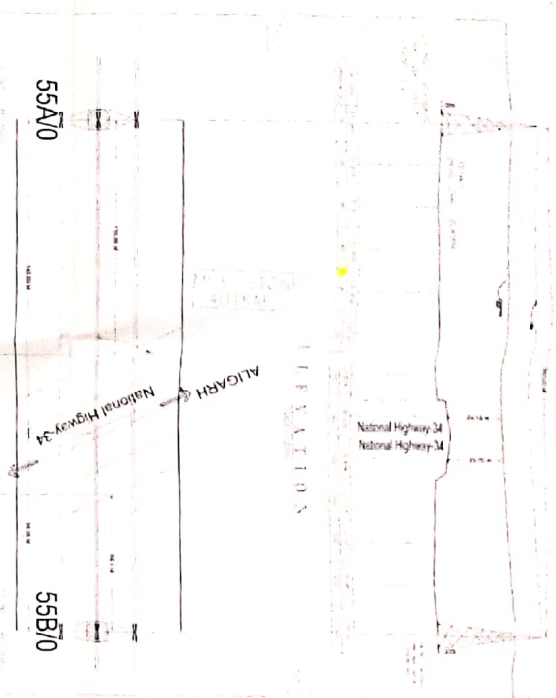
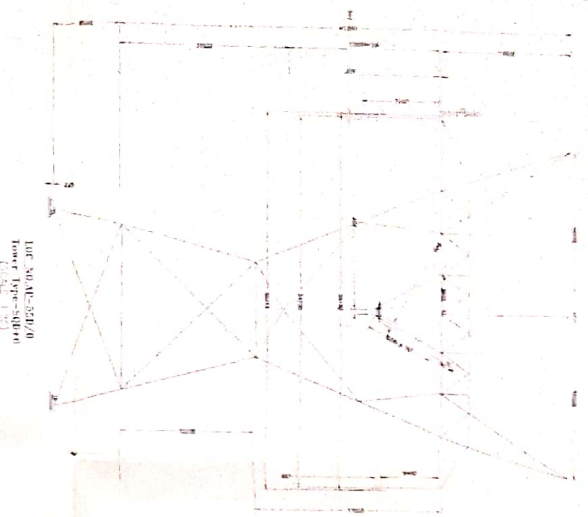
Resident Engineer
SA Infrastructure Consultants Pvt. Ltd



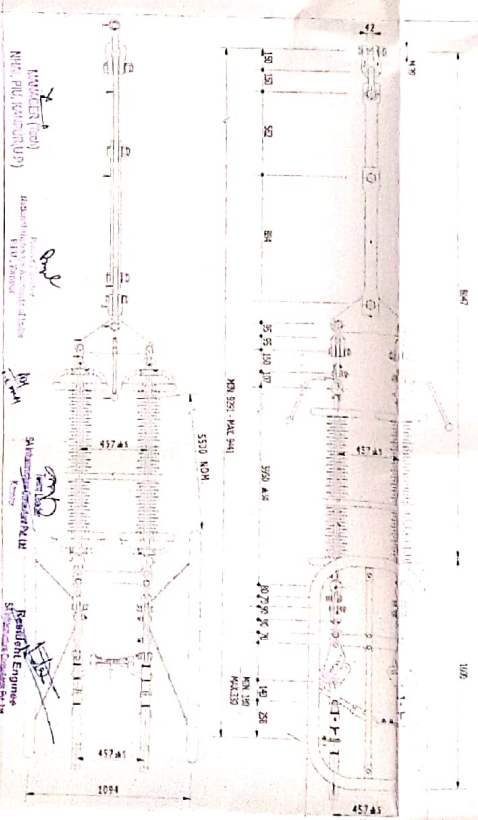
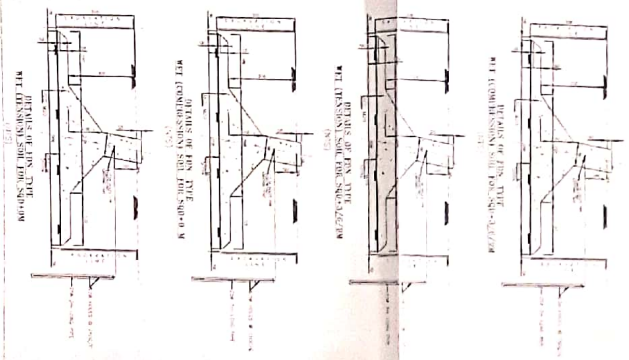
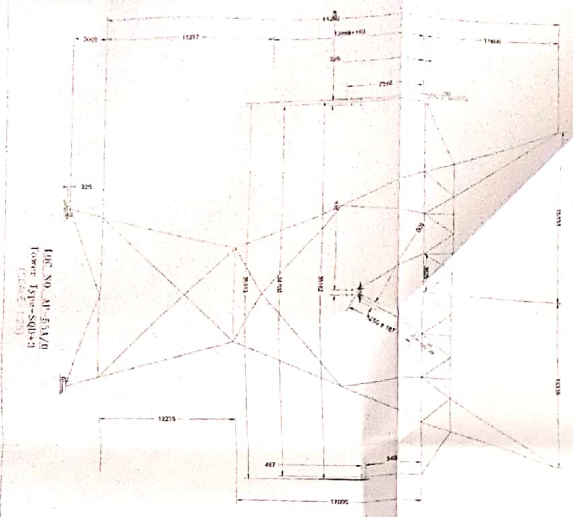
Project Director
National Highways Authority of India
P.U., Kanpur

MANAGER (Tech)
NHAI, P.U., KANPUR (U.P.)

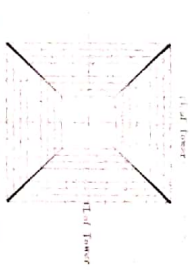
KANPUR DELHI NH-34 CROSSING PROPOSAL WAY LEAVE PROPOSAL FOR OVERHEAD CONDUCTOR LINE ON ROAD LEVEL BETWEEN KM STONE (101.00&102.00) NEAR PITHA VILLAGE



765 KV S/C QUADRI-PILE TENSION STRING FOR QUADRI-PILE ACSSR BELGIMIS CONDUCTOR



PROJECT		POWER TRANSMISSION COMPANY LTD.	
TITLE		765 KV S/C QUADRI-PILE TENSION STRING FOR QUADRI-PILE ACSSR BELGIMIS CONDUCTOR	
DESIGNED BY		S. K. SINGH	
CHECKED BY		S. K. SINGH	
APPROVED BY		S. K. SINGH	
DATE		10/10/2019	
PROJECT NO.		101.00&102.00	
DRAWING NO.		101.00&102.00	
SCALE		1:25	
SHEET NO.		101.00&102.00	
TOTAL SHEETS		101.00&102.00	
PROJECT LOCATION		KANPUR DELHI NH-34 CROSSING PROPOSAL	
PROJECT DESCRIPTION		WAY LEAVE PROPOSAL FOR OVERHEAD CONDUCTOR LINE ON ROAD LEVEL	
PROJECT STATUS		PROPOSED	
PROJECT OWNER		POWER TRANSMISSION COMPANY LTD.	
PROJECT MANAGER		S. K. SINGH	
PROJECT ENGINEER		S. K. SINGH	
PROJECT SUPERVISOR		S. K. SINGH	
PROJECT ASSISTANT		S. K. SINGH	
PROJECT CLERK		S. K. SINGH	
PROJECT ACCOUNTANT		S. K. SINGH	
PROJECT OFFICE		KANPUR DELHI NH-34 CROSSING PROPOSAL	
PROJECT PHONE		101.00&102.00	
PROJECT FAX		101.00&102.00	
PROJECT E-MAIL		101.00&102.00	
PROJECT WEBSITE		101.00&102.00	
PROJECT SOCIAL MEDIA		101.00&102.00	
PROJECT CONTACT		101.00&102.00	
PROJECT ADDRESS		101.00&102.00	
PROJECT CITY		101.00&102.00	
PROJECT STATE		101.00&102.00	
PROJECT COUNTRY		101.00&102.00	



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NH-CROSSING PROPOSAL 765 KV S/C MAINPURI UNNAO OVER HEAD T/L

