



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

### National Highways Authority of India

(Ministry of Road Transport & Highways)

#### क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, कॉलेज पार्क कॉम्पस, रोड नंबर-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना

#### Regional Office - Hyderabad,

First Floor, New Building, Administrative Staff College of India (ASCI), College Park Campus, Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

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nhairohyd@gmail.com



NHAI/RO-HYD/25011/3/11/2021/A-P/UT.SRVCS/2710

Dt.16.03.2021

#### Notice Inviting Public Comments

**Sub:** NHAI - RO Hyderabad - PIU Nirmal- Construction of 220KV DC line from 400/20KVSS Niramli to the proposed 220/132 KVSS indravelli (utnoor) in Adilabad District- NH 44 crossing at Km.282+750 near Kadthal village, Nirmal Mandal span between Loc. No. 8/0 (C+6) (TSP) tower and Loc. No. 9/0 (C+6) (L&T) tower is 182 m on NH-44 of Nagpur- Hyderabad section - Stringing of line across NH-44- Reg.

**Ref:** 1. PIU Nirmal letter no.NHAI/PIU-NRML/Electrical/Utility/2021/214, dated 24.02.2021

The Project Director, PIU, NHAI, Nirmal vide letter cited above has submitted a Proposal for crossing span between Loc. No. 8/0 (C+6) (TSP) tower and Loc. No. 9/0 (C+6) (L&T) tower at Km.282+750 near Kadthal village, Nirmal Mandal on NH-44 of Nagpur- Hyderabad section.

2. The proposal has been examined as per Ministry's Guidelines vide letter no.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and is generally found in order

3. In view of above, as per above Ministry's guidelines Para 4, public comments is hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

#### Comment Inviting Authority

The Regional Officer,  
National Highways Authority of India,  
Regional Office: Hyderabad,  
First Floor, New Building,  
Administrative Staff College of India(ASCI),  
College Park Campus, Road No.3,  
Banjara Hills, Hyderabad - 500 034,  
Telangana State,  
Phone: 040-29562147, 040-29562148,  
Email: rohyderabad@nhai.org, nhairohyd@gmail.com

Encls: Above Proposal

Yours faithfully,

  
(Keerthi Bharadwaj)

Deputy Manager (Tech)

For Regional Officer-cum-  
Highway Administrator, Hyderabad

To:

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
2. Shri S.Manivasagam, Dy. GM (IT), NHAI HQs, New Delhi for uploading on NHAI website.

Copy to:-The Project Director, NHAI, PIU Nirmal: for information

### **FORM-A**

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways

**Sub:** NHAI - RO Hyderabad - PIU Nirmal- Construction of 220KV DC line from 400/20KVSS Niramal to the proposed 220/132 KVSS indravelli (utnoor) in Adilabad District- NH 44 crossing at Km.282+750 near Kadthal village, Nirmal Mandal span between Loc. No. 8/0 (C+6) (TSP) tower and Loc. No. 9/0 (C+6) (L&T) tower is 182 m on NH-44 of Nagpur- Hyderabad section - Stringing of line across NH-44- **Reg**

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments

Sl. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	

# DETAILS OF POWER LINE CROSSING ON NH - 44 At Kadhthal (V)&(M) Nirmal

Sl. No	Description of Item	Information	Remarks
1.	Name of the work	Erection of 220KV DC line from the existing 400/220KV SS Nirmal to the proposed 220/132kVSS Indravelly (Uttoor) from Loc no 8/0(C+6)TSP tower and 9/0(C+6) TSP type tower in Adilabad district Electrical overhead line crossing NH-44 Near Kadhthal (V)&(M)Nirmal.	
2.	Name and address of the applicant	Sri A.Ravikumar, Executive Engineer, Construction Division, TSTRANSCO, Adilabad.	
3.	Nation highway No., Station,	NH-44 Nagpur-Hyderabad section	
4.	Crossing of line between mile stone	Towards Hyderabad-282/0 Towards Nagpur -282/2	
5.	Width of available ROW		
	a) Location of left side tower from the center line of the NH	63trs	
	b) Location of right side tower from the left side line of NH	119 Mtrs	
	c) Span between the towers	182trs	
	d) Centre line of the tower from the NH(left side)	63 Mtrs	
	e) Centre line of the tower from the NH(right side)	119 Mtrs	
6.	Vertical clearance of the power line from the lowest conductor to centre of the road level.	20.25 Mtrs	
7.	Mininum electrical Ground cleareance for the 220KV power line as per IS:5613 of 1976 and IE rules,1956	10.7 Mtrs	
8.	Height of the Towers	44.035Mtrs & 44.035 Mtrs	

*[Signature]*  
Executive Engineer,  
Construction Division,  
Adilabad (Mancheri)

**PROJECT DIRECTOR**


National Highways Authority of India


PIO NIRMAL.




### National Highway – 44 Crossing Details

SL. NO.	Details	
1.	Location No.& Type of Tower	Loc No-8/0 (C+6,TSP), Loc No-9/0(C+6,TSP)
2.	Left side mile stone	282/0
3.	Right side Mile stone	282/2
4.	Left side station (To the Line in Forward Direction)	Nagpur
5.	Right side Station (To The Line In Forward Direction)	Hyderabad
6.	Clearance of Road Top to Bottom Conductor	20.25 Mtrs
7.	National Highway	NH-44 (Nagpur-Hyderabad)
8.	Right side Village Name	Nirmal(V&M)
9.	Left side village Name	Kadhthal(V)



  
Executive Engineer,  
Construction Division,  
Adilabad (Mancherial)




**PROJECT DIRECTOR**  
National Highways Authority of India  
PIU, NIRMAL.

## COMPLIANCE/REQUIREMENT OT HT LINE CROSSING-NHAI

S. No	Description	Compliance Yes/No
1	a) Exact chainage of the location of power line crossing NH-near Kadhthal shall be furnished in the drawings. B) Drawing does contain the relevant details like grade of concrete/Details of reinforcement, dimensions for foundation and details of guard cradle etc.	Chainage furnished in the drawing Foundation drawing furnished.
2	The adequacy of design of all the components of various structures shall be ensured by TSTRANSCO.	Yes
3	No Part of the foundation of electrical tower shall in ROW of NHAI	Yes
4	Electricals towers including supporting structures if any shall be erected at least 10.0 meters from the edge of the ROW and are the minimum distance of 5.0 meter from the nearest line of avenue plantation.	Yes
5	Minimum vertical clearance of the overhead electrical line for crossing the national highway shall be in accordance with the guidelines as mentioned in the central Electrical Authority Regulations/Statutory provisions of Indian Electrical Rules.	Yes
6	The work executing department i.e. M/s. Gurupreeth Galvanising Pvt, Ltd. Hyderabad shall be conveyed to the follow of IRC:32-1969, Central Electrical Authority Regulations/Statutory provisions of India Electricals Rules and other relevant guidelines issued on the above subject mater by NHAI, MORTH and H.	Yes
7	A copy of the work program, particularly for the work related to the crossing NH-44 near Kadhthal shall be provided NHAI well in advance. The changes in the given work program, shall be provided to the NHAI well in advance.	Yes
8	List and contact number of responsible engineers of the above agency, available at site shall also be provided to NHAI for coordination at site level.	Yes
9	All the necessary safety arrangements shall be taken by the concerned department, i.e. TSTRANSCO for carry out the works referred under the subject matter.	Yes
10	In case if any lane closure is required for carrying such works necessary permission shall be obtained well in advance from NHAI authorities for smooth and uninterrupted flow of traffic along the National Highway.	Yes
11	The arrangements proposed by the department, for the safety, protection, structural stability and required under taking shall be submitted by the above department alone with the application and the same shall be adhered to and implemented.	Yes
12	As stated in the under taking submitted by TSTRANSCO they have to commence the work after obtaining approval from the NHAI,	Yes

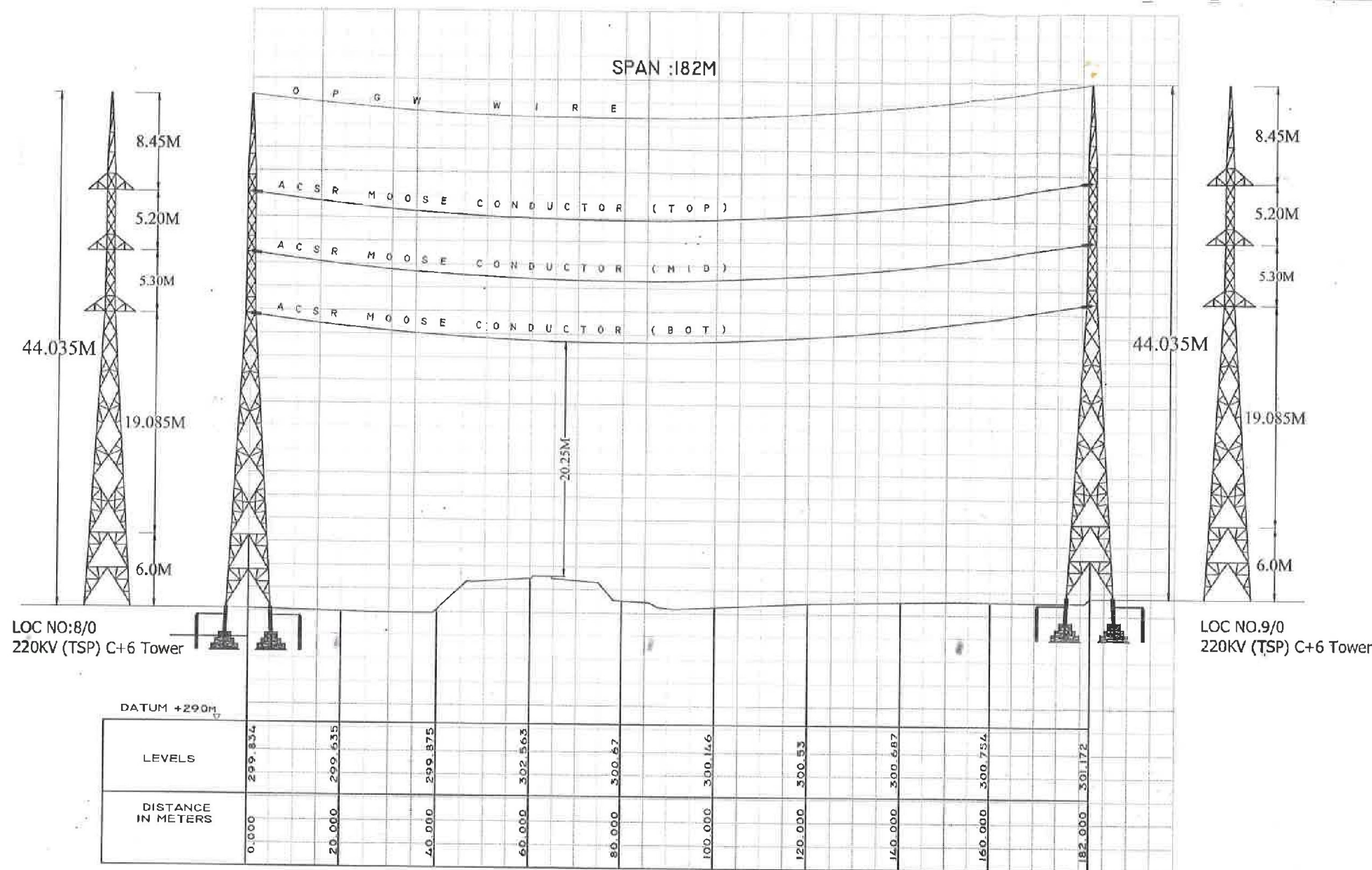


  
**PROJECT DIRECTOR**  
 National Highways Authority of India  
 PU, NIKMAL.

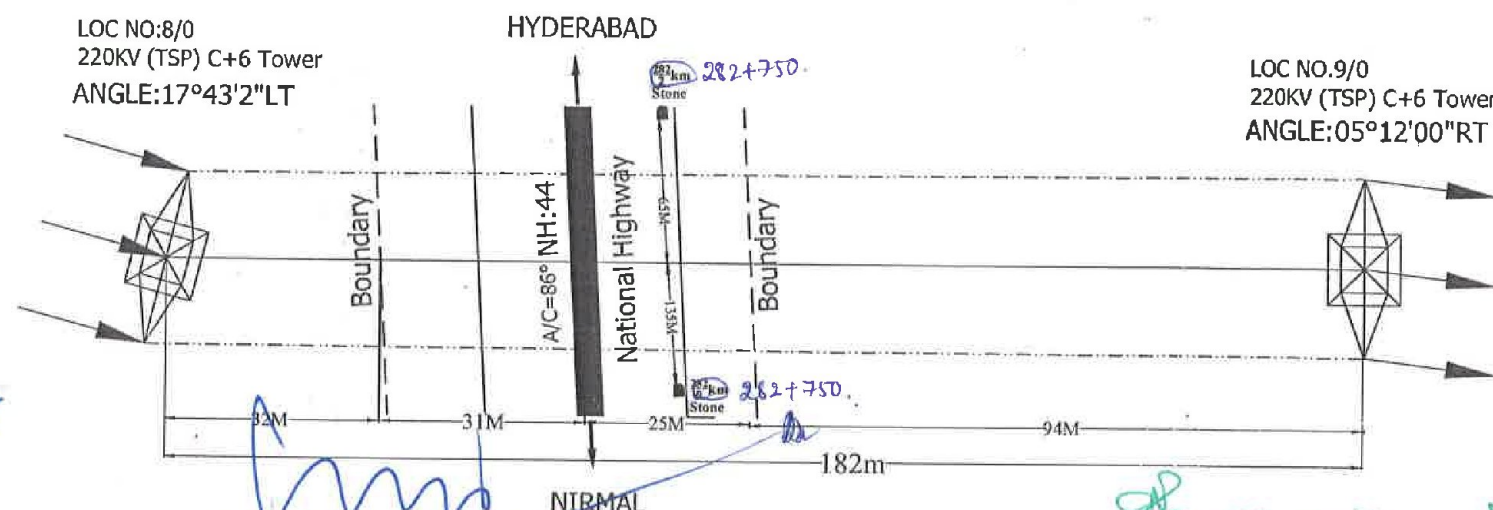
  
**Executive Engineer,**  
 Construction Division,  
 Adilabad (Mancherla)



**NATIONAL HIGHWAY (NH-44) CROSSING PROPOSALS FOR PROPOSED 220KV DC LINE FROM PROPOSED 400/220KV SUB-STATION NIRMAL TO PROPOSED 220/132KV SUB- STATION UTNOOR FOR NATIONAL HIGHWAY (NH-44) CROSSING. IN BETWEEN  $\frac{282}{0}$  &  $\frac{282}{2}$  HYDERABAD & NAGPUR BRANCH**



TOWER SPOTTING DATA FOR ACSR MOOSE CONDUCTOR	
1). Conductor	ACSR MOOSE CONDUCTOR
2). Cable Diameter	31.70mm
3). Area	597 sq.mm
4). Unit Weight	2.004 Kg/M
5). Sag Tension (For Hot Curve)	3304.56 Kg
6). Sag Tension (For Cold Curve)	4981.518 Kg
7). Normal Span (Rolling Span)	350 Mtr.
8). Maximum Sag (@ 75°C Temperature, Still Air)	9.286 Mtr.
9). Ground Clearance	7.1 Mtr + (including Sag Error)
10). Height of Bottom Conductor	16.40 Mtr.



**PROJECT DIRECTOR**  
National Highways Authority of India  
P.U., NIRMAL.

**Executive Engineer,**  
Construction Division,  
Adilabad (Mancherla)

**ASSISTANT ENGINEER**  
Construction Sub-Division  
T.S. Mancherla, Adilabad

**Asst. Executive Engineer,**  
Construction Sub-Division,  
Adilabad (Mancherla)

TRANSMISSION CORPORATION OF TELANGANA LIMITED				
NATIONAL HIGHWAY (NH-44) CROSSING DETAILS				
CONSTRUCTION OF PROPOSED 220KV DC LINE FROM PROPOSED 400/220KV SUB-STATION NIRMAL TO PROPOSED 220/132KV SUB- STATION UTNOOR FOR NATIONAL HIGHWAY (NH-44) CROSSING. IN BETWEEN $\frac{282}{0}$ & $\frac{282}{2}$ HYDERABAD & NAGPUR BRANCH				
SCALE : VER : 1 CM = 2 M, HOR : 1 CM = 5 M				
DRAWING NO :				
SURVEYED & DRAWN BY	CHECKED BY	SUBMITTED BY	RECOMMENDED BY	APPROVED BY
N.V.V.PRASAD, SURVEY CONTRACTOR				