



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

प्लॉट.क.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८.आंध्र प्रदेश

Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

टेली / Tele : 0866-2483910

ई-मेल / E-mail : rovijayawada@nhai.org
nhairovja@gmail.com



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Ref: NHAI/RO-VJA/25014-10/2017/ 572

Dt.08.03.2019

To

The Sr. Technical Director,
NIC, Transport Bhawan,
New Delhi- 110001.

Sub: (NH-4) - Proposal for Crossing of 800 KV HVDC Raigarh - Pugaluroverhead power line at chainage167.700 km near KG Satram Village of Shantipuram - Nalagampalli Section of NH-4 - Public Comments - Reg.

Sir,

Please find enclosed herewith the proposal of M/s.Power Grid Corporation of India, Chittoor for Crossing of 800 KV HVDC Raigarh - Pugaluroverhead power line at chainage167.700 km near KG Satram Village of Shantipuram - Nalagampalli Section of NH-4.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22nd November 2016, the application along with the recommendation of PD, PIU - Tirupati are enclosed herewith with a request to host the same in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest), for taking further necessary action.

Yours faithfully,

Encl: As above


(Anil Dixit) 8-3-19

Regional Officer,
RO- Vijayawada

Copy to PD, PIU - Tirupati for information



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प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Ref: NHAI/RO-VJA/25014-10/2017/572

Dt.08.03.2019

INVITATION OF PUBLIC COMMENTS


Sub: (NH-4) - Proposal for Crossing of 800 KV HVDC Raigarh - Pugaluroverhead power line at chainage 167.700 km near KG Satram Village of Shantipuram - Nalagampalli Section of NH-4 - Public Comments - Reg.

The Project Director, PIU - Tirupati submitted a proposal of M/s. Power Grid Corporation of India, Chittoor for Crossing of 800 KV HVDC Raigarh - Pugaluroverhead power line at chainage 167.700 km near KG Satram Village of Shantipuram - Nalagampalli Section of NH-4.

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22nd November 2016, the Highway Administration will put out the application in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address.

Regional Officer - Vijayawada,
National Highways Authority of India,
Plot No.21, Teachers' Colony, Gurunanak Nagar Road,
Vijayawada, Andhra Pradesh. Pin: 520 008.
Email: rovijayawada@nhai.org


Regional Officer
RO - Vijayawada



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कर्यनवाया इकाई, डे.नां:23/3/39/501, 5th मंजिल, धनलक्ष्मी नगर, वैकुंटापुरम रोड, एमआर पल्ली, तिरुपति-517 507

Project Implementation Unit, D.No.23/3/39/501, 5th Floor, Dhanalakshmi Nagar, Vykuntapuram Road, MR Palli, Tirupati - 517 507

Ph No: 0877-2245060

email : nhaitirupati@gmail.com

: piutirupati@nhai.org

NHAI/PIU-TPT/11011/13(A)/HT/2019/1449

Date: 05.03.2019

To

The Regional Officer,

National Highways Authority of India,
Vijayawada.

Sir,



DGM-(T)/TSK/NHK:-

MGR-(T)/YM/ALS:-

Sub: NHAI – PIU-Tirupati – NH-4 – Proposal for crossing of 800 KV HVDC Raigarh Pugalur overhead power line at Ch.167.700 km near KG Satram Village of Shantipuram – Nalagampalli Section of NH-4 – Approval – Requested – Reg.

Ref:1.RO, NHAI Vijayawada Letter No.NHAI/RO-VJA/25014-10/2017/352
Dt.12.02.2019

2.This Office Letter No.NHAI/PIU-TPT/11011/NH-4/2019/1272
Dt.29.01.2019

RO, NHAI Vijayawada vide letter 1st cited had sought certain observations on the subject proposal. In compliance to the observation made by RO, the following are submitted :

1. PD Certificate appended.
2. Checklist duly signed by PD appended.
3. Point No.35 corrected/amended as per standard format appended.
4. Power of Attorney appended.

2. In light of above, approval of competent authority is hereby solicited for proposal of crossing 800 KV HVDC Raigarh – Pugalur overhead power line at chainage 167.700 near KG Satram Village of Shantipuram – Nalagampalli Section of NH-4.

Yours faithfully,

Encl : as above.

(C.Sudhakara Reddy)
Dy.GM (Tech) & PD
NHAI, PIU- Tirupati.



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Project Implementation Unit, D.No.23/3/39/501, 5th Floor, Dhanalakshmi Nagar, Vykuntapuram Road, MR Palli, Tirupati – 517 507

Ph No: 0877-2245060

email : nhaitirupati@gmail.com

: piutirupati@nhai.org

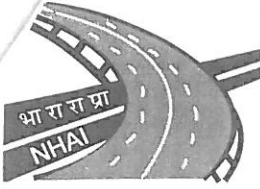
NHAI/PIU-TPT/11011/13(A)/HT/2019/1449

Date: 05.03.2019

CERTIFICATE

Certified that the proposal for obtaining permission for crossing of 800 KV HVDC Overhead Transmission Line at km.167.7 near K.G.Satram Village in Chittoor District on Chennai – Bangalore Section of NH-4 in the State of Andhra Pradesh, satisfies all the conditions and specifications stipulated vide MORT&H Circular No.RW/NH-III/P/20/77, dated 08.04.1982.

(Handwritten signature: C. Sudhakara Reddy)
(C.Sudhakara Reddy)
Dy.GM (Tech) & PD
NHA, PIU- Tirupati.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

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National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

प्लॉट.क्र.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८. आंध्र प्रदेश

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प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Ref:NHAI/RO-VJA/25014-10/2017/ 352

Dt.12.02.2019

To

The Project Director,
National Highways Authority of India,
Project Implementation Unit,
D. No. 23/3/39/501, 5th Floor,
Dhanalakshmi Nagar,
Vyuntapuram Road, MR Palli,
TIRUPATI - 517 501.

NHAI-PIU TPT.	
No.	1159
Date:	14 FEB 2019
PD	<input checked="" type="checkbox"/>
LAO	<input type="checkbox"/>
PA	<input checked="" type="checkbox"/>
AA/JAO	<input type="checkbox"/>
SE	<input type="checkbox"/>
YP	<input type="checkbox"/>
Steno	<input type="checkbox"/>

PL - attend the
observations &
resubmit.
14/02/19.

Sir,

Sub : Proposal for crossing of 800 KV HVDC Raigarh - Pugalur overhead power line at chainage 167.700 Km near KG Satram village of Shantipuram - Nalagampalli section of NH-4 - Returned - Reg

Please refer to your Lr. No. NHAI/PIU-TPT/11011/NH-4/2019/1272 dt. 29-01-2019 on the subject matter.

In this connection, it is to inform that the proposal is examined and the following are the observations.

1. PD Certificate not submitted.
2. PD has not signed the Checklist.
3. Point No.35 in Agreement regarding granting of ROW is not as per standard format.
4. Power of Attorney not submitted.

In view of the above, proposal is returned herewith and it is requested to re-submit the proposal complying all the above observations.

Encl : As above

(2 files (1 original +
1 duplicate).

Yours faithfully,

(Anil Dixit)

Regional Officer,
RO- Vijayawada



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

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परियोजना कार्यनवाया इकाई, डे.नं:23/3/39/501, 5th मंजिल, धनलक्ष्मी नगर, वैकुंटापुरम रोड, एमआर पल्ली, तिरुपति-517 507
Project Implementation Unit, D.No.23/3/39/501, 5th Floor, Dhanalakshmi Nagar, Vykuntapuram Road, MR Palli, Tirupati - 517 507

Ph No: 0877-2245060
email : nhaitirupati@gmail.com

: piutirupati@nhai.org

Ref: NHA/PIU-TPT/11011/NH-4/2019/1272

Dated: 29.01.2019

To
The Regional Officer
National Highways Authority of India,
Vijayawada.

Sir,

Sub: NHA, PIU, Tirupati – (NH-4) – Proposal for Crossing of 800 KV HVDC Raigarh – Pugalur overhead power line at chainage 167.700 km near KG Satram Village of Shantipuram – Nalagampalli Section of NH-4 -- Approval – Requested – Reg.

Ref: 1. Manager, Power Grid Corporation of India, Chittoor Letter No. SR-1/Chittoor CAO/ HVDC/TW08/ NH Crossing/2018/2018/01/07 Dated 04.01.2019
2. This Office Letter No. NHA/PIU-TPT/11011/NH-4/2019/1201, Dated 18.01.2019
3. TL, M/s. Aarvee, Letter No. AA/NHA/CTR/P-I/2119/18-19/1068 Dated 22.01.2019

The Manager, Power Grid Corporation of India, Chittoor vide letter 1st cited, furnished a Proposal for Crossing of 800 KV HVDC overhead power line at chainage 167.700 km near KG Satram Village (Bypass) of Shantipuram – Nalagampalli Section of NH-4 in the State of Andhra Pradesh and requested for approval.

2. In this connection, the following are submitted:

1. M/s. Power Grid Corporation of India, Chittoor has sent a Proposal for Crossing of 800 KV HVDC overhead power line at chainage 167.700 km near KG Satram Village (Bypass) of Shantipuram – Nalagampalli Section of NH-4 in the State of Andhra Pradesh.
 2. M/s. Power Grid Corporation of India, Chittoor has, furnished necessary undertakings in compliance to the NHA circular, dated 20.03.2009, & 07.08.2013.
 3. M/s. Power Grid Corporation of India, Chittoor, has furnished an undertaking that necessary fee will be paid by them as when required by NHA as per the MoRT&H GOI Circular No. RW/NH/33044/27/2005 S&R (R) dated 21.09.2010 and also as per the Highway Administration Rules 2004.
 4. The work will be executed by the Power Grid Corporation of India, Chittoor.
3. M/s. Aarvee Associates, the Authority Engineer for the above project furnished their comments vide letter 3rd cited duly stating the following:

1. The available width of ROW is 22.5m on LHS and 34.50m on RHS, total 57.00m.
2. As per the site condition for crossing of 800 KV HVDC Line is falling near KG Satram village and the HT line is proposed to cross at Km 167+700
3. Both location of Tension towers (DD tower type) proposed are satisfying the requirement as per Cl.6.5.1 (e) of IS: 5613 (Part3/Sec 2)-1989.

(Signature)

13 A

National Highways Authority of India

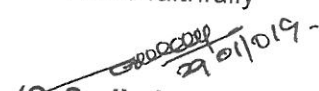
4. Distance between these crossing towers is 140m which is satisfying the requirement of maximum limit of 250m as per CI:1.3.10.
5. One crossing tower is located at a distance of 96.3 m on LHS from the Center line and a distance of 156.40m on RHS from the Center line, which are not affecting the future widening of the project, if any.
6. Horizontal clearances of towers are satisfying the requirements, that towers should be atleast 10m to 12m away from the edge of the existing shoulders of the extreme traffic lane' as per CI:2.1 of MORTH Circular and '5m away from the nearest line of avenue trees' as per CI.5.1 of IRC:32-1969.
7. Crossing towers are located beyond the NHAI ROW which is satisfying the requirement of 'pylong of HT lines shall be located outside of NH land' as per CI.2.1 of MORTH Circular No. NH-III/P/20/77 dated 08.04.1982.
8. Vertical clearance of HT lines from top of the carriageway as per drawing is 36.80m is satisfying the minimum vertical clearance requirement of 26.20m as per CI. 58(5) of central Electricity Authority Regulations 2010.
9. M/s. Power Grid Corporation Limited, Chittoor has furnished the 'Undertaking' stating that (i) PGCIL, Chittoor is responsible for safety of all construction works (ii) PGCIL is responsible for shifting of the electrical line as and when required by NHAI at own cost (iii) Certified that electrical supply line will not have any deleterious effects on bridge components and road way safety for traffic etc.

4. In view of the above, the above proposal submitted by M/s. PGCIL, Chittoor, has been verified and are in accordance with latest guidelines of NHAI / MORTH and found in order. Hence, the Proposal for Crossing of 800 KV HVDC overhead power line at chainage 167+700 km near KG Satram Village of Santhipuram – Nalagampalli Section of NH-4 in the State of Andhra Pradesh is herewith recommended for approval of competent authority.

Thanking you,

Encl: As above.

Yours faithfully


(C. Sudhakara Reddy)
DGM (T) & Project Director
NHAI, PIU-Tirupati

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
भारत सरकार का उद्यम
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)



सी.ए.ओ. : नं. 19-588/4 प्लॉट नं. 2 मित्तूर एक्स्टेंशन, मासोनिक ग्राउन्ड्स के पास, चित्तूर - 517 001
CAO : H.No.19-588/4, Plot No.2, Mittoor Extension, Near Masonic Grounds, CHITTOOR - 517 001.
फैक्स एवं दूरभाषा / PHONE : 08572 - 236369

Ref: - SR-1/Chittoor CAO/HVDC/TW08/NH Crossing/2018/ 06/13
To

Date: - 25.06.2018

The Project Director (NHA),
Door No: 23/3/39/501 (5th Floor),
Dhana Lakshmi Nagar, Vaikuntapuram road,
M.R.Palli, Tirupati.
Chittoor District - Andhra Pradesh.

Sub: - Submission of profile and crossing data for Chennai – Bangalore (NH-4) road being crossed by 800KV HVDC Raigarh - Pugalur overhead Transmission Line in Chittoor district near the K.G.Satram village.

Respected Sir,

Power Grid Corporation of India Limited (A Government of India Enterprise) have been entrusted (by Government of India) with the establishment of \pm 800KV HVDC Raigarh (Chattisgarh) – Pugalur (Tamilnadu) Transmission System to evacuate 6000 MW power from Chattisgarh to the power deficit states of Southern Region with about a line length of 1850KM. The said line passes through the States of Chattisgarh, Maharashtra, Telangana, Andhra Pradesh and Tamilnadu. As this is a prestigious project entrusted to POWERGRID by Govt. of India on request from the Govt. of Andhra Pradesh, the said Transmission Line is planned for completion by December'2018. The works for the project are under progress.

The route alignment and survey works of the said line has been completed. Our HVDC line is crossing the NH - 4 and the details are as follows.

1. Name of the Line: - 800KV HVDC Raigarh – Pugalur Transmission line
2. Name of the NH road: - NH – 4 (Chennai – Bangalore highway)
3. Tower Locations Crossing the road: - AP390/0 to AP391/0.
4. Crossing point details: - The overhead line passes the NH-4 road near K.G.Satram Bye-pass from Bangarupalyam side. (No milestone marks are available since the road expansion works are under progress)

We would to carry out the foundation activities of the line on either side of the road. In this regards, we request for issuing of NOC for the overhead line crossing the NH - 4 roads near K.G.Satram. This is for kind information and necessary action please.

Thanking you

Yours faithfully,
For POWERGRID

C.Gobinath,

Deputy Manager/Chittoor.

Mob: - 9493927113.

पंजीकृत कार्यालय : बी-9, कुतुब इन्स्टिट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110 016. दूरभाष : 26560112 फैक्स : 011-265560086 तार : नेटग्रिड
Registered Office : B-9, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110 016. Tel : 26560112, Fax : 011 - 265560086, Grams : 'NATGRID'
Corporate Office : Post No.2, Sector -29, Near IFFCO Chowk, Gurgaon (Haryana) - 122001. Epabx : 0124-2571700-719, Fax : 0124-2571760

स्वहित एवं राष्ट्रहित में ऊर्जा बचाएं

Save Energy for Benefit of Self and Nation

800KV HVDC Raigarh – Pugalur Transmission line crossing the
NH – 4 @KM 168 of Chennai – Bangalore road near village
K.G.Satram of Bangarupalyam Mandal with D+9 and D+6 towers
on the crossing sides.



पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)



765/400 कि.वो. कर्नूल उप केंद्र, कर्नूल-नन्द्याल हाईवे रोड, 23 KM स्टोन के पास, ओर्वकल (गांव और मंडल), कर्नूल जिला. (ऑ.प्र.)
765/400 KV Kurnool Sub-Station, Kurnool-Nandyal Highway Road, Near 23 KM Stone, ORVAKAL (Vill. & Mdl.), Kurnool District. (A.P.)
दूरभाष / Phone : 08518 - 202090 ई-मेल / E-mail : caokurnool@gmail.com


Ref : Kurnool CAO: F-09 / 3408
Date : 20.02.2019

TO WHOM SO EVER IT MAY CONCERN

Shri C.Gobinath, Emp.No.51175, Manager, Power Grid Corporation of India Limited, Chittoor, is hereby authorized to sign, verify and submit the Application and other related documents to the National Highway Authority of India in order to obtain permission for the establishment of 800kV HVDC Raigarh-Pugalur Transmission Line over the National Highways under TW 08 package.

The aforesaid Executive is also empowered to do all the lawful acts necessary for the above mentioned purpose.

Date: 25.02.2019
Place: Kurnool


(A.C. SANKARIAIAH)
SENIOR GENERAL MANAGER

ए.सि.शंकराय्य / A.C. SANKARIAIAH
अपर महाप्रबंधक / Addl. Gen. Manager
पावरग्रिड / POWERGRID
कर्नूल / KURNOOL.

CHECK LIST			
Guidelines for Project Directors for processing the proposal of laying over Head Electrical Line Crossing National Highway Vested with NHAI			
Relevant Circulars/Codes			
1) Ministry Circular No. NH-III/P/20/77 Dated 08.04.1982			
2) Indian Electricity Act – 1910			
3) Indian Electricity Rules-1956			
4) IRC:32-1969			
5) IS:5613-1976 Part-I to IV			
Check list for laying of 800KV HVDC Electrical EHT Line for Over Head Crossing in Chennai – Bangalore National Highway – 4			
Sl. No.	Item	Information/Status	Remarks
I	General Information		
1.1	Name and address of the applicant with Full Address	Manager, POWERGRID Corporation of India limited, H.No. 19-588/4, Plot No. 2, Mittoor Extension, Chittoor, Andhra Pradesh - 517001.	
1.2	National Highway Number	CHENNAI to BANGALORE (NH-4)	
1.3	State	Andhra Pradesh	
1.4	Location	Near K.G.Satram village, Bangarupalyam Mandal @ KM167.7.	
1.5	Name of the Line	Erection of 800 KV HVDC Bipole Transmission lines towers with Hexa ACSR Lapwing Conductor from Raigarh – Pugalur.	
1.6	Chain-age in Km	167.7 km from CHENNAI to BANGALORE (NH-4)	
1.7	Length in meter (Span)	250 Mtrs	
1.8	Width of available ROW	57 Mtrs	
	a) Left side from center line towards increasing chain-age/ km direction.	22.50 Mtrs	
	b) Right side from center line towards increasing chain-age/km direction	22.50 Mtrs +12.00 Mtrs (Old NHAI ROW)	
1.9	Proposal to lay overhead		
	a) Left side from center line towards increasing chain-age/Km direction	87 Mtrs	
	b) Right side from center line towards increasing chain-age/ Km direction	163 mtrs	
	c) Crossing of NH number	CHENNAI-BANGALORE (NH-4) @ chainage 167.7KM	
1.10	Proposal to acquire land		
	a) Left side from the center line	Not Applicable	

C. Gobinath
 सी. गो. गोबिनाथ / C GOBINATH
 प्रबंधक / MANAGER
 पावरग्रिड / POWERGRID
 चित्तूर-टी एल सी / CHITTOOR-TLC

Project Director
 NHAI, PIU, Tirupati

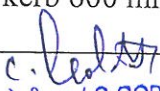
Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Chennai – Bangalore National Highway – 4			
Sl. No.	Item	Information/Status	Remarks
	b) Right side from the center line	Not Applicable	
	Whether proposal is		
	a) In the same side where land is not to be acquired	Land acquisition is not involved.	
1.11	b) Crossing the National Highway	Yes	
	c) If not then where to lay the overhead Electrical Line	The overhead electrical line is to be laid in the field away from the NH boundary as mentioned at 1.9 (a) & (b)	
1.12	Details of already laid services (overhead) Telecommunication line, overhead Electrical line etc) if any, along proposed route / proposed crossing	Not Applicable	
1.13	Number of lanes (2/4/6/8 lanes) existing	4 Lanes	
1.14	Proposed number of lanes (2 lane with saved shoulders /4/6/8)	NA	
1.15	Service road existing or not	NA	
	If yes then which side	NA	
	a) Left side from the center line	NA	
	b) Right side from the center line	NA	
1.16	Proposed Service Road	NA	
	a) Left side from the center line	NA	
	b) Right side from the center line	NA	
1.17	Whether proposal to lay overhead Electrical line is after the service road or between the service road and main carriage way, or crossing the National Highway.	Crossing the National Highway.	
1.18	The Permission of laying Over Head Electrical Line shall be considered for approval / rejection based on the Ministry Circulars and relevant codes.	Yes	
1.19	If crossing of the road involved		
	A) Is it on a line normal to NH and provide length of crossing span	250 Mtr.	
	B) Structure (Towers, tension towers, pole for HT line only) for crossing shall not be to near to the existing structures on the National Highway, the minimum distance being 15 meter.	More than 15 Meter	
	i) Type of Existing / Proposed structure for National Highway.	Tension towers, Tower type D + 09 on one side and D + 06 on the other side of NH.	


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Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Chennai – Bangalore National Highway – 4

Sl. No.	Item	Information/Status	Remarks
	ii) What is the distance of tower, pole and tension towers from the existing/proposed structure of National Highway.	Tower No. AP391/0(D+09) is 87 m from center line of the existing National Highway Tower No: AP390/0(D+6) is 163 m from center line of the National Highway.	
	c) The overhead lines and their supporting poles/ towers should ordinarily be placed at the extreme edge of the road land boundary. In any case, these shall be at 10 meters away from the edge of the existing traffic lane. Where the existing roadway is narrow than the minimum required according to standard or where the widening is proposed for any reason, the lateral clearance shall be reckoned with respect to ultimate road way. What is the horizontal clearance from the extreme edge of the road boundary.	Tower No: AP391/0 (D+09) is 87 m and Tower No: AP390/0 (D+06) is 163 m	
	d) The overhead lines and their supporting poles/towers should be ordinarily being placed at a minimum distance of 5.0m from the nearest line of avenue trees.	Overhead line supporting is far away from the nearest line of avenue trees.	
	e) In Mountainous / hilly terrain the overhead lines should be erected preferably on the valley side as far as away as practicable. In hilly region, level of ground at a suitable distance below the outer conductor on either side from the center line is also to be noted and marked in profile so as to ensure required ground clearance underneath conductor and side clearance in swing conditions. Is the proposal in hilly area?	No. Proposal is in plain terrain.	
	f) The horizontal clearances in respect of poles erected for the purpose of street lighting in urban situation shall be as under.	Not Applicable	
	i) For road with raised kerbs – Minimum 300 mm from the edge of the nearest kerb 600 mm being preferable.	Not Applicable	


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Sl. No.	Item	Information/Status	Remarks
	ii) For road without raised kerbs – At least 1.5m from the edge of carriageway, subject to minimum of 5.0 meter from the center line of the carriage way.	Horizontal clearance is 163 m & 87 m from the center line of the carriage way.	
	g) The pylons of HT lines along the crossing the road shall be located outside the National Highway land	YES	
	h) For crossing the line of same voltage or lower voltage, suspension/tension tower with suitable extension shall be used.	YES	
	I) The vertical clearance of the overhead lines crossing the road shall be reckoned from the top of the crown of the road taking into account the anticipated final top level due to future raising of road level, strengthening of pavement, etc. The actual ground clearance of high tension lines for voltage above 650 volts varies depending upon the voltage transmitted and these are stipulated in Indian Standard Codes is 5613-1976 part I to IV and Indian Electricity Rules 1956 as under.		
	For ordinary wire and line carrying low voltage up to and including 110 volts – 5500 mm		
	For electric power lines carrying low voltage up to and including 650 Volts – 6000 mm		
	For electric power lines carrying voltage exceeding 650 Volts – 6500 mm		
	220 KV – 7015 mm		
	400 KV – 8840 mm		
	800 KV – 15000 mm	The vertical clearance between top surface of existing National Highway and lowest point of the conductor at maximum possible sag is 36.80m	

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Sl. No.	Item	Information/Status	Remarks
	Note: These are minimum requirement where ever local authority requirement is higher, the same shall be provided. In case of HT line, Road crossing, the ground clearance at the road under maximum temperature and in still air shall be such that even with conductor bundle broken in adjacent span, the ground clearance of the conductor from the road surface shall not be less than 24.70		
	What is the voltage of proposed line and clearance under maximum sag condition between lowest conductor of the proposed line and existing National Highway / future developed National Highway.	The voltage of proposed line is 800KV. Clearance under maximum sag condition between lowest conductor of the proposed line and existing National Highway is 36.80 m	
2	Affidavit / Under taking to be obtaining from (to the furnished by) the applicant.	YES	
2.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concern agency.	YES	
2.2	Undertaking for renewal of Bank Guarantee if required.	Not Applicable	
2.3	Confirming all standard conditions as laid down in Ministry Circular No: NH-III/P/20 dated 08.04.1982, Indian Electricity Act – 1910, Indian Electricity Rule – 1956, IRC – 32 - 1969 IS: 5613 – 1976 Part I to IV and NHAI's guideline.	YES	
2.4	Shifting of overhead electrical line at their own cost as and when required by NHAI	Not Applicable	
2.5	Shifting of overhead electrical line at their own cost if require due to 4 lanning widening of National Highway.	4 Way Lane exist	
2.6	Indemnity against all damages and claims what so ever kind that may be to NHAI or any third party in the ROW during installation, operation and maintenance.	YES	


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Bangalore National Highway – 4**

Sl. No.	Item	Information/Status	Remarks
2.7	Traffic movement during laying of overhead electrical line to be managed by the applicant.	YES	
2.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	YES	
2.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the overhead electrical line located in the National Highway Right of way.	YES	
2.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance of the overhead electrical line will be borne by the agency owing the line.	YES	
2.11	If NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	YES	
2.12	Certificate from the applicant in the following format	YES	
	1) Laying of Overhead electrical line will not have any deleterious effect on any of the bridge components and roadway safety for traffic.	YES	
	2) For 4 laning "We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated but NHAI for future six-lanning or any other development.	YES	
2.13	The transmission line installation shall be carried out by trained and experienced personnel and supervised by technically qualified persons competent to undertake such work.	YES	


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Bangalore National Highway – 4**

Sl. No.	Item	Information/Status	Remarks
2.14	The applicant ensures the safety of the highway traffic against the hazards of the high voltage lines during installation, operation and maintenance.	YES	
2.15	Undertake for compliance with Indian Electricity Rules and Other Authorities Regulations – All overhead lines shall comply with the requirements of the Indian Electricity Act and Rules made there under and the regulations or specifications as laid down by railways or railway electrification authorities, post and telegraphs department, roadways or navigation or aviation authorities, local governing bodies, defence authorities and power and telecommunications coordination committee, wherever applicable	YES	
3	Other documents and drawings to be furnished by the applicant		
3.1	Method of laying or overhead Electrical line	YES	
3.2	Draft License Agreement	YES	
3.3	Performance Bank guarantee in favour of NHAI has to be obtained @Rs.100 per running meter (Parallel to NH) and Rs.100000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactorily completion of work) as a security for ensuring / making good the area, clearing the debris / loose earth etc produced.	NOT APPLICABLE as the tower is beyond the right of way of NHAI.	
3.4	Strip plan/Route plan showing Overhead Electrical line, chain-age, width of ROW, distance of proposed structure (Tower, Tension tower, and pole for HT line only) from the edge of ROW, important mile stone, intersections, cross drainage work any other structure existing or proposed etc.	YES	
4	Certificate from the Project Directors:		

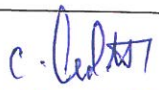


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Sl. No.	Item	Information/Status	Remarks
4.1	Certificate confirming that the proposal has been examined with respect to the structures and developmental work considered at this location and compliance of all standard condition issued vide ministry Circular No: NH – III/P/20/77 dated 08-04-1982, Indian Electricity Act – 1910, Indian Electricity Rules 1956, IRC : 32-1969, IS: 5613 – 1976 Part-I to IV and NHAI's guideline.	YES	
4.2	Certificate from PD in the following format	To be provided by NHAI	
	i) "It is certified that any other location of the Electric line would be extremely difficult and unreasonable costly and the installation of Electric line within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc"		
	ii) For 6 lanning		
	a) Where feasibility is available " <i>I do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering proposed structures at the said location</i> ".		
	b) In case feasibility report is not available " <i>I do certify that sufficient ROW is available at site for accommodating proposed six lanning</i> ".		
5	If NH section proposed to be taken up by NHAI on BOT basis – a clause is to be inserted in the agreement, "The Permitted Highway on which License has been granted the right to lay Overhead Electrical line has also been granted as a right of way to concessionaire under the concession agreement for up- gradation of (Km 163 to km 164 NH No: 222 (New NH: 61) on build, operate and transfer basis) and therefore, the license shall honour the same.	To be Provided NHAI	


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Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Chennai – Bangalore National Highway – 4			
Sl. No.	Item	Information/Status	Remarks
6.	Who will supervise the work of laying of overhead electrical Line	POWERGRID CORPORATION OF INDIA LIMITED, CHITTOOR will supervise the work of laying of overhead electrical line.	
7.	Who will sign the agreement on behalf of overhead electrical line agency.	Manager, POWERGRID Corporation of India limited, H.No. 19-588/4, Plot No. 2, Mittoor Extension, Chittoor, Andhra Pradesh - 517001.	
8.	Who will ensure that the defects in road portion after laying of overhead electrical line are corrected and if not corrected then what action will be taken.	Manager, POWERGRID Corporation of India limited, H.No. 19-588/4, Plot No. 2, Mittoor Extension, Chittoor, Andhra Pradesh - 517001.	
9.	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	Manager, POWERGRID Corporation of India limited, H.No. 19-588/4, Plot No. 2, Mittoor Extension, Chittoor, Andhra Pradesh - 517001.	
10.	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Not Applicable	
11.	If any previous approval is accorded for laying of overhead electrical line then photocopy of register of records of permissions accorded as maintained by PD may be enclosed.	Not Applicable	
For POWERGRID Corporation of India Limited		For National Highway Authority of India	
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