



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.

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भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Ref: NHA/RO-VJA/25018/5/2018/1389

Dt. 13.06.2019

To

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

Sub: (NH-4) - Proposal for Crossing of 800 KV HVDC Raigarh - Pugalur overhead power line at existing Chainage 41.000 (Design km 37+800) near Kalikiri Village of Madanapalli - Pileru Section of NH-71- 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 - Pugalur overhead power line at Km. 41.000 (Design km 37+800) near Kalikiri Village of Madanapalli - Pileru Section of NH-71.

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


13.6.19
(Anil Dixit)
Regional Officer,
RO- Vijayawada

Copy to PD, PIU - Tirupati for information



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

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(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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भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Ref: NHAI/RO-VJA/25018/5/2018/1329

Dt. 13.06.2019

INVITATION OF PUBLIC COMMENTS

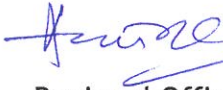
Sub: (NH-4) - Proposal for Crossing of 800 KV HVDC Raigarh - Pugalur overhead power line at existing Chainage 41.000 (Design km 37+800) near Kalikiri Village of Madanapalli - Pileru Section of NH-71- Public Comments - Reg.

The Project Director, PIU - Tirupati submitted a proposal of M/s. Power Grid Corporation of India, Chittoor for Crossing of 800 KV HVDC Raigarh - Pugalur overhead power line at existing Chainage 41.000 (Design km 37+800) near Kalikiri Village of Madanapalli - Pileru Section of NH-71.

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


13.6.19
Regional Officer
RO - Vijayawada

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय)

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

National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यनवाया इकाई, डे.नां : 23/3/39/501, 5th मंजिल, धनलक्ष्मी नगर, वैकुण्ठपुरम 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

Ref: NHAI/PIU-TPT/11011/NH-4/2019/161

Dated: 04.05.2019

To

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

Sir,

Sub: NHAI, PIU, Tirupati – (NH-4) – Proposal for Crossing of 800 KV HVDC Raigarh – Pugalur overhead power line at existing Chainage 41.000 (Design km 37+800) near Kalikiri Village of Madanapalli – Pileru Section of NH-71 - Approval – Requested – Reg.

- Ref: 1. Manager, Power Grid Corporation of India, Chittoor Letter No. SR-1/Chittoor CAO/HVDC/TW08/ NH Crossing/2018/2018/01/08 Dated 04.01.2019
2. This Office Letter No. NHAI/PIU-TPT/11011/NH-71/OFC/13(A)/2019/1567, Dated 29.03.2019
3. TL, M/s. Chaitanya, Letter No. CPC/P-132/2019/16/166, Dated 29.04.2019

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 mile stone existing km 41.000 (design km 37+800) near Kalikiri Village of Madanapalli – Pileru Section of NH-71 in the State of Andhra Pradesh and requested for approval.

2. In this connection, the following are submitted by the Power Grid Corporation of India Ltd.,:

1. M/s. Power Grid Corporation of India, Chittoor has sent a Proposal for Crossing of 800 KV HVDC overhead power line at existing km 41.000 (design km 37+800) near Kalikiri Village of Madanapalli – Pileru Section of NH-71 in the State of Andhra Pradesh.
2. M/s. Power Grid Corporation of India, Chittoor has, furnished necessary undertakings in compliance to the NHAI 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 NHAI 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. As the stretch is under DPR Stage it was requested the DPR Consultants to submit detailed report vide reference 2nd cited.
4. In this regard, M/s. Chaitanya Projects, the DPR Consultants for the above project furnished their comments vide letter 3rd cited duly stating the following:

Contd.,

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1. The DPR Consultant Engineer Mr. Manindra and the Manager, Power Grid Corporation of India Ltd., Mr. Gobinath visited the subject stretch i.e., Madanapalli - Pileru of NH-71 on 11.04.2019 and noted the co-ordinates and distance from our ROW.
2. The Consultants intimated that for planting HT Towers at 55m distance from our ROW at South with co-ordinates of 266068.88 m N and another Tower at a distance of 109 m to the North of our ROW with co-ordinates of 266075.98 m E; 1510905.81 m N
3. The Consultant informed that No Objection Certificate may be issued to M/s Power Grid Corporation subjected to the following conditions:
 - The Vertical Clearance from FRL of our proposed road and to the bottom of the HT Line conductor has to be minimum of 24.70 meters. The measurements adopted by Power Grid Corporation the span is 224 m; the vertical clearance under maximum sag conditions between FRL and the lowest conductor is 37.9 m and the skew angle is 4°.
 - The HT Line should cross our Road at zero degrees of skew. A maximum of 30° be allowed.
4. In view of the above, the above proposal submitted by M/s. PGCIL, Chittoor, has been verified and is in accordance with latest guidelines of NHAI / MORT&H and found in order. Hence, the Proposal for Crossing of 800 KV HVDC overhead power line at km 41.000 near Kalikiri Village of Madanapalli - Pileru Section of NH-71 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



Chaitanya Projects Consultancy Pvt. Ltd.

(An ISO 9001:2008 Certified Company)

(Architecture & Urban Planning, Highways & Bridges,
Survey & Geotech Investigation, GIS Application)

CIN NO.U74140DL2004PTC124286

Head Office:

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Plot No.- 21-22, Sector-4, Vaishali,
Ghaziabad, U.P.-201012, (India)

Phone : +91-120-4120472, 4110472

Email : chaitanya.projects@gmail.com

Website : www.chaitanyaprojects.com

To
The Project Director,
National Highways Authority of India,
Project Implementation Unit,
Tirupati.

NHAI/PIU-TPT.	
No.	142
Date:	30 APR 2019
PD	g
LAO	
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YP	
Steno	✓

Ref, CPC/P-132/2019/16/166
Dt.29.04.2019

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Dear Sir,

Sub: No Objection letter to POWER GRID CORPORATION for the proposed HT Tower at 37+800 on P1 package.

Ref : 1. Your letter - NHAI/PIU-TPT/14012 /Chaitanya - OUT /108 /2019 /1452
dt.05/03/2019.

2. Power Grid Corp's letter - SR-1/Chittoor CAO/HVDC/TW08/NH Crossing/2019 /01/08
dt 4.1.2019.

3. NHAI/PIU-TPT/11011/NH-71/OFC/13(A)/2019/106 DT 22/4/19

With reference(ref.no.2) to the letter from POWER GRID CORPORATION, on 11/4/19 we have visited the site at design Ch:37+800 on P1 package and verified the alignments and the electric line proposed by them. On 11/4/19 our engineer Mr.Manindra and Mr.Gobinath - manager from Power grid corporation visited the site and noted the coordinates and the distance from our ROW.

We hereby request you to issue an NO OBJECTION LETTER to the POWER GRID Corp. for planting HT Towers at 55m distance from our ROW at South with co ordinates of 266068.88 m E; 1510682.68 m N and another tower at a distance of 109 m to the North of our ROW with co ordinates of 266075.98 m E; 1510905.81 m N.

A No Objection Letter with the following conditions can be issued to them.

Conditions : 1. The vertical clearance from FRL of our proposed road and to the bottom of the HT Line conductor has to be a minimum of 24.70 meters as per the guidelines of MoRT&H Lr.no.NH-III/P/2077 .

2. The HT Line should cross our Road at nearer to zero degrees of skew. A max of 30 degrees be allowed.

Here as per the measurements adopted by Power Grid Corp the span is 224 m; the vertical clearance under max sag conditions between FRL and the lowest conductor is 37.9 m and the skew angle is 4 degrees.

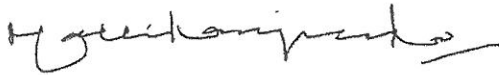
As all the measurements provided by Power Grid Corpn we hereby request you to issue No Objection Letter to them for planting 800 KV transmission towers.

Herewith we have attached the map showing HT Line and our alignment of P1 for your perusal.

Request you to issue NO OBJECTION LETTER with conditions to the Powergrid Corporation.

Yours faithfully.

For Chaitanya Projects Consultancy Pvt. Ltd.



Dr. G. N. Mallikarjuna Rao
(Sr. Highway Engineer Cum Team Leader)



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सडक परिवहन और राजमार्ग मंत्रालय)

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

National Highways Authority of India

(Ministry of Road Transport & Highways)

परियोजना कार्यवाया इकाई, डे.नां : 23/3/39/501, 5th मंजिल, धनलक्ष्मी नगर, वैकुण्ठापुरम 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

NHAI/PIU-TPT/11011/NH-71/OFC/13(A)/2019/1567

Date: 29.03.2019

To
The General Manager
Ms. Chaitanya Consultancy Pvt. Ltd.,
C-5, 2nd Floor, R.K.Tower,
Plot No.21-22, Secotr-4,
Vaishali, Ghaziabad,
U.P-201012

Sir,

Sub: NHAI - PIU-Tirupati - Consultancy Services for Project Management Phase-I including preparation of Detailed Project Report from Madanapalle to Tirupathi and from Renigunta to Naidupeta on NH 71 and from Puthalapattu to Tirupati i.e., Km 0.00 to Km. 42/0 of NH-140 in the state of Andhra Pradesh to two/four lane with paved shoulder configuration (Package no NH/IAHE27) - Power Grid Corporation of India Limited - Submission of profile and crossing data for Tirupati - Madanapalli road of NH-71 road being crossed by 800 KV HVDC Raigarh - Pugalur overhead Transmission Line in Chittoor district near the Kalikiri Village - Submission of Detailed Report - Reg.

Ref: Power Grid Corporation Lr. No. SR-1/Chittoor CAO/HVDC/TWO8/NH Crossing/2019/01/08, dt. 04.01.2019.

Please find enclosed a copy of reference cited, wherein Power Grid Corporation of India Limited has submitted profile and crossing data for Tirupati - Madanapalle (NH-71) road @ km 41.00 being crossed by 800 KV HVDC Raigarh - Pugalur overhead Transmission Line in Chittoor district near the Kalikiri Village.

2. Therefore, DPR Consultant is requested to verify at site and submit a detailed report to this office at the earliest for taking further necessary action.

Encl: As above

Yours faithfully


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

Copy to: TL, Ms. Chaitanya Projects Ltd., Hyderabad - for information & n/a

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

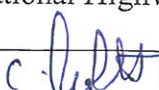
Check list for laying of 800KV HVDC Electrical EHT Line for Over Head Crossing in Tirupati – Madanapalle National Highway – 71

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	TIRUPATI to MADANAPALLE (NH-71)	
1.3	State	Andhra Pradesh	
1.4	Location	Near Korlakunta village, Kalikiri Mandal @ KM41.	
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	41 km from Madanapalle to Tirupati (NH-71)	
1.7	Length in meter (Span)	223 Mtrs	
1.8	Width of available ROW	60 Mtrs	
	a) Left side from center line towards increasing chain-age/ km direction.	30 Mtrs	
	b) Right side from center line towards increasing chain-age/km direction	30 Mtrs (Presently only 2 way lane exist)	
1.9	Proposal to lay overhead		
	a) Left side from center line towards increasing chain-age/Km direction	85.65 Mtrs	
	b) Right side from center line towards increasing chain-age/ Km direction	137.35 mtrs	
	c) Crossing of NH number	TIRUPATI- MADANAPALLE (NH-71) @ chainage 41KM	
1.10	Proposal to acquire land		
	a) Left side from the center line	Not Applicable	

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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 Tirupati – Madanapalle National Highway – 71			
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	2 Lanes	
1.14	Proposed number of lanes (2 lane with saved shoulders /4/6/8)	4 Lanes	
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 both side of the NH.	


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 प्रबंधक / MANAGER
 पावरग्रिड / POWERGRID
 चित्तूर-टि एल सी / CHITTOOR-TLC


 Project Director
 NHAI, PIU, Tirupati

Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Tirupati – Madanapalle National Highway – 71			
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. AP347/0(D+09) is 85.65 m from center line of the existing National Highway Tower No: AP346/0 (D+09) is 137.35 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: AP347/0 (D+09) is 85.65 m and Tower No: AP346/0 (D+09) is 137.35 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	

Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Tirupati – Madanapalle National Highway – 71

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 137.35 m & 85.65 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 37.9 Mtrs	

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 प्रबंधक / MANAGER
 पावरग्रिड / POWERGRID
 चित्तूर-टी एल सी / CHITTOOR-TLC

Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Tirupati – Madanapalle National Highway – 71			
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 37.90 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 lane widening of National Highway.	2 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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 प्रबंधक / MANAGER
 पावरग्रिड / POWERGRID
 चित्तूर-टी एल सी / CHITTOOR-TLC

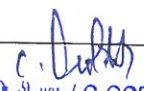
Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Tirupati – Madanapalle National Highway – 71			
Sl. No.	Item	Information/Status	Remarks
2.7	Traffic movement during laying of overhead electrical line to be managed by the applicant.	YES	
2.8	If any claim is raised by the Concessionaire 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	

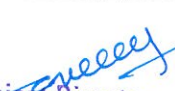
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 प्रबंधक / MANAGER
 पावरग्रिड / POWERGRID
 चित्तूर-टी एल सी / CHITTOOR-TLC

Project Director
 NHAI, PIU, Tirupati

**Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Tirupati –
Madanapalle National Highway – 71**

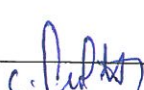
Sl. No.	Item	Information/Status	Remarks
2.14	The applicant ensures the safety of the highway traffic against the hazards of the high voltage lines during installation, operation and maintenance.	YES	
2.15	Undertake for compliance with Indian Electricity Rules and Other Authorities Regulations – All overhead 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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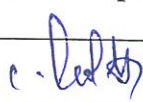

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**Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Tirupati –
Madanapalle National Highway – 71**

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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 NHAI, PIU, Tirupati

Check list for laying of 800KV Electrical EHT Line for Over Head Crossing in Tirupati – Madanapalle National Highway – 71			
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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