

No. RO/VJA/Misc.24/Transmission lines/NH-544D/Sr.no.181/610

Government of India

Ministry of Road Transport & Highways

Regional Office, Vijayawada

Rajamarg Bhawan, 3<sup>rd</sup> & 4<sup>th</sup> floors, MORTH/NHAI Buildings, Ranigarithota,  
Near Kanakadurga Varadhi, Krishnalanka, Vijayawada-520013. Tele: 0866-2571985

Dated 29-08-2024

**Invitation of Public Comments**

**Sub: Proposal for Permission for overhead power line crossing NH-544D (i) 765KV D/C transmission line from Kurnool III(PS) at Nandipadu village, Kolimigundla mandal -765 KV Maheswaram GIS (PG). (ii) Construction of 765 KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundla mandal - 765 KV Kurnool SS (PG) at Orvakal in the State of Andhra Pradesh - Reg.**

Please find enclosed herewith the proposal in accordance with Ministry's latest guidelines dated 22.11.2016 forwarded by Executive Engineer(R&B), APRDC Division, Kurnool vide letter No. ROW Permissions/EE/APRDC/KNL/NH-544D/2023-24 dated 09.08.2024 for permission for overhead power line crossing NH-544D (i) 765KV D/C transmission line from Kurnool III(PS) at Nandipadu village, Kolimigundla mandal to 765 KV Maheswaram GIS (PG). (ii) Construction of 765 KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundla mandal - 765 KV Kurnool SS (PG) at Orvakal in the state Andhra Pradesh.


2. As per the guidelines, issued by the Ministry vide Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.16, the proposal for Highway crossing permission along National Highways 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.

3. In view of the above, comments of the public on the above-mentioned proposal is invited on the address mentioned below:

The Regional Officer,  
Ministry of Road Transport and Highways,  
Rajamarg Bhawan, 3<sup>rd</sup> & 4<sup>th</sup> floors, MORTH/NHAI Buildings,  
Ranigarithota, Near Kanakadurga Varadhi,  
Krishnalanka, Vijayawada - 520013  
Email id: [romorthvijayawada@gmail.com](mailto:romorthvijayawada@gmail.com).

Yours Faithfully,

Encl: As above

  
(Venkataiah M)  
Assistant Engineer,  
For Regional Officer, Vijayawada

**Copy to:**

- i) Senior Technical Director, NIC for uploading on the Ministry's website.
- ii) The Chief Engineer(R&B), NH&CRF, AP.
- iii) The Superintending Engineer(R&B), NH Circle, Ananthapuramu - for kind information.
- iv) The Executive Engineer(R&B), APRDC-Division, Kurnool - For kind information.
- v) M/s Power Grid, Corporation of India Limited, Plot No.103, Nandi paradise, Kranti nagar, Nandyal (Mandal & District) - 518501, AP.

GOVERNMENT OF ANDHRA PRADESH  
ROADS AND BUILDINGS DEPARTMENT

From:

Sri V. Ramachandra, M.Tech,  
Chief Engineer(R&B)  
National Highways & CRF,  
State HoD Offices Building,  
MG Road, Vijayawada – 520010

To:

The Regional Officer,  
MoRT&H, 4<sup>th</sup> Floor,  
Near Kanaka Durga Varadhi,  
Rani Gari Thota, KrishnaLanka,  
Vijayawada – 520 013.



Lr. No. Transmission lines/DCENH/EENH/DEE I/AEE3/2024,Dt: 24.06.2024

Sir,

Sub: R&B Department – National Highways - NOC- "(i) Construction of 765KV D/C transmission line from Kurnool III(PS) at Nandipadu village, Kolimigundla mandal -765 KV Maheswaram GIS (PG); (ii) Construction of 765 KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundla mandal -765 KV Kurnool SS (PG) at Orvakal - National Highway crossing - Permission requested – Reg.

Ref: 1. Ministry Circular No. RW/NH-33044/29/2015/S&R@, dated 22.11.2016  
2. RO/MoRT&H/VJA, Ir. No. RO/VJA/Misc24BAccess/Utility/7, dated 13.04.2017.  
3. Ministry Circular No. NH-36094/01/2022-S&R (P&B) dt. 17.04.2023  
4. SE, NH, ATP Lr. No. 1038/ROW Permissions/NH-544D/SE, NH, ATP/ Dy.SE/ ATO/2023-24 dt. 04.06.2024

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Adverting to the subject cited, it is to furnish that M/s Powergrid, Nandyala have applied for grant of permission for crossing of 765KV DC Transmission line from Kurnool III(PS) at Nandipadu Village, Kolimigundla mandal to 765KV Kurnool SS(PG) at Orvakal (i) at KM 133.944 in between chainage from KM 133 to KM 134; (ii) at KM 138.202 in between chainage from KM 138 to KM 139 of NH544D; Near Tangutur Village, banaganapalle mandal in Nandyal District, Andhra Pradesh with National Highway NH 544D.

Further, the following are herewith furnished:

- Checklist for laying of utility transmission line
- Agreement regarding granting of ROW permission for laying of utility services on NH
- Undertaking and Certificates
- Methodology of stringing
- Strip plan and google earth crossing photo
- Details of overhead transmission line including conductor and earth wire properties
- Calculation of license fee

Re  
29/6  
2024  
Shashini  
07/07

AE

The firm has submitted the checklist and undertakings required to be submitted for according permission for crossing transmission lines with NH 544D as stipulated as per MoRTH Circulars.

Therefore, it is requested to accord permission for crossing of 765KV DC Transmission line from Kurnool III(PS) at Nandipadu Village, Kolimigundla mandal to 765KV Kurnool SS(PG) at Orvakal (i) at KM 133.944 in between chainage from KM 133 to KM 134; (ii) at KM 138.202 in between chainage from KM 138 to KM 139 of NH544D; Near Tangutur Village, banaganapalle mandal in Nandyal District, Andhra Pradesh with National Highway NH 544D.

Encl.: Proposals -2no in Duplicate

Yours sincerely,

  
Chief Engineer(R&B)  
National Highways & CRF  


Copy to

The Superintending Engineer (R&B), NH Circle, Ananthapuramu

The Executive Engineer (R&B), NH Division, Ananthapuramu

GOVERNMENT OF ANDHRA PRADESH  
ROADS AND BUILDINGS DEPARTMENT  
NATIONAL HIGHWAYS



From

Sri K. Hariprasad Babu, M.Tech.,  
Superintending Engineer,  
(R&B) N.H Circle,  
Ananthapuramu.

To

The Chief Engineer,  
(R&B) NH & CRF.,  
MG. Road,  
Vijayawada - 520010, A.P.

Lr No.1038/ROW Permissions/NH-544D/SE,NH,ATP/Dy.SE/ATO/2023-24

Dt:04.06.2024.

Sir,

Sub: - (R&B) NH Circle, Ananthapuramu - NOC - "Construction of 765KV D/C transmission line from Kurnool III(PS) at Nandipadu village, Kolimigundla mandal -765 KV Maheswaram GIS (PG). (ii) Construcion of 765 KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundla mandal - (iii)765 KV Kurnool SS (PG) at Orvakal - National Highway crossing - Permission requested - Reg.

- Ref: -
1. Power Grid Corporation of India Limited Lr. NO. SR1/NDL/KK/F-20/NHAI/ dated 15.12.2023
  2. Power Grid Corporation of India Limited Lr. NO. SR1/NDL/KK/F-20/NHAI/ dated 23.12.2023
  3. Lr No. NHAI /PIU-KNL/2023-24/366 dated 09-01-2024 of DGM (Tech) & PD, NHAI, PIU - Kurnool.
  4. Consultant Lr NO. SPL/NH 544D/NHAI/AP/01-24/699 dated 30.01.2024.
  5. Lr No. NHAI /PIU-KNL/2023-24/420 dated 02-02-2024 of DGM (Tech) & PD, NHAI, PIU - Kurnool.
  6. Lr No ROW Permissions/EE/APRDC/KNL/NH-544D/2023-24 dated 14-02-2024 of the Executive Engineer(R&B) APRDC Division, Kurnool.
  7. Memo No.280/NH-544D/SE,NH,ATP/DySE/AEE2/2023-24,Dt: 21-03-2024 of the Superintending Engineer(R&B) NHCircle,Ananthapuramu.
  8. Power Grid Corporation of India Limited Lr.No.SR1/NDL/KK/F-20/NHAI/2 dated 24-05-2024.
  9. Power Grid Corporation of India Limited Lr.No.SR1/NDL/KK/F-20/NHAI/3 dated 24-05-2024.
  10. Lr.No. ROW Permissions/EE/APRDC/KNL/NH-544D/2023-24, Dt:27.05.2024 of the Executive Engineer (R&B) APRDC Division, Kurnool.

&&&

15/6/24  
12/6/24



I submit that vide references 1<sup>st</sup> and 2<sup>nd</sup> cited, the Power Grid Corporation of India Limited (PGCIL), have requested the Project Director, NHAI, PIU-Kurnool for obtaining approval of transmission line (765KV) crossings at the following locations during execution of the works (i) Construction of 765KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundla mandal -765 KV Maheswaram GIS (PG). (ii) Construcion of 765 KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundla mandal – 765 KV Kurnool SS (PG) at Orvakal.

Sl. No.	Name of the National Highway is to be crossed	KM stone on NHAI	Location no of POWER GRID	Nearby village	Vertical electrical clearance	Required vertical clearance as per CEA norms
1	NH 544D between Banaganapalli– Nandyal	138-139 (Km 138/2-4)	AP 28- AP29	Tanguturu	25.40 mts	18.8 mts
2	NH 544D between Banaganapalli– Nandyal	133-134 (Km 133/8-10)	AP 38 – AP39	Tanguturu	26.17 mts	18.8 mts

Accordingly vide ref 3<sup>rd</sup> cited, the Project Director, NHAI, PIU-Kurnool addressed DPR Consultants, M/s SECON private limited, Bangalore to examine the proposal and submit detailed report along with specific recommendations as detailed project report is being under preparation for upgradation of NH 544D.

In the ref 4<sup>th</sup> cited, the DPR Consultants (M/s SECON private limited, Bangalore) have submitted their comments as follows:

- (i) Proposed alignment for upgradation including the bypasses and proposed ROW is yet to be approved by NHAI, in order to commence DPR activities.
- (ii) It may be noted that PGCIL transmission lines cross NH 544D at the end of Appalapuram&Tangatoor bypasses, with pylons placed more than 100 mts away from the proposed center line

- (iii) Grade separators will be proposed at the start and end of bypasses.
- (iv) It is requested to direct the PGCIL officials to raise the transmission lines above existing NH 544D, such that required vertical clearance of 18.80m available even after provision of Grade separators in the future.

Hence vide ref 5<sup>th</sup> cited, the Project Director, NHAI, PIU – Kurnool, transmitted the original application of PGCIL and detailed report of DPR consultant to the Executive Engineer(R&B)APRDC Division, Kurnool for taking further action, duly compiling the observations of DPR consultants.

In this connection, joint inspection was conducted by the Executive Engineer(R&B)APRDC, Kurnool along with Power Grid Corporation of India authorities and submitted the proposal through the reference 10<sup>th</sup> cited, wherein it is submitted that the proposed transmission lines cross the National Highway Ananthapuramu – Guntur road of NH 544D in KM 138/2-4 & in Km 133/8-10 with the following vertical clearances over existing RCL.

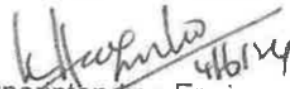
- (i) 25.40 mts in KM 138/2-4 of NH 544D (Power Grid location nos AP 28-AP29)
- (ii) 26.17 mts in KM 133/8-10 of NH 544D (Power Grid location nos AP 38-AP39).

Further the Executive Engineer(R&B) APRDC Division, Kurnool has submitted that proposed transmission lines have adequate vertical clearance to the existing RCL. However, as the DPR work is in under progress for upgradation of NH 544D, it is requested to direct the PGCIL officials to raise the transmission lines above the existing NH 544D, such that required vertical clearance of 18.80 m is available even after provision of Grade separators in the future.

Hence, I request the Chief Engineer (R&B) NH&CRF, Vijayawada to obtain permission from the competent authority for the above crossings.

Encl: Proposals-2nos in triplicate.

Yours faithfully,

  
Superintending Engineer,  
(R&B) NHCircle, Ananthapuramu.

Copy to the Executive Engineer (R&B) APRDC Division, Kurnool for information.



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

Ref: SR1/NDL/KK/F-20/NHAI/2

Date: 24.05.2024



To  
The Executive Engineer,  
(R&B)APRDC Division,  
Kurnool, (A P)

Subject : Construction of 765kV Kurnool III PS- Kurnool(new) transmission line- **Submission of documents and approval of overhead power line crossing with NH-544D-reg**

Ref : (a) Letter from POWERGRID dated 23.12.2023 regarding approval of NH crossing.  
(b) Letter from SE(R&B) NH Cricle, Anantapuramu Ref Memo.No.NH-544D/SE/, NH,ATP/DySE/AEE.2/2023-24, dt:21.03.2024 - regarding submission of agreement, certificates, checklist etc.

Dear Sir,

This has reference to our letter dated 23.12.2023 requesting approval of overhead crossing of subject line with National Highway NH-544D and subsequent letter from SE(R&B) NH Cricle, Anantapuramu dated 21.03.2024 has requested for submission of relevant documents for approval .

Accordingly, the following documents are enclosed herewith for kind perusal and approval of subject overhead power transmission line crossing with National Highway NH-544D.

1. Checklist for laying of utility transmission line. ✓
2. Agreement regarding granting of ROW permission for laying of utility services on NH. ✓
3. Undertakings and certificates. ✓
4. Methodology of stringing. ✓
5. Strip plan and google earth crossing photo. ✓
6. Details of overhead transmission line including conductor and earth wire properties.
7. Calculation of license fee.

Three copies of Crossing profile and SLD were submitted along with our letter dated 23.12.2023. Considering the above, it is kindly requested to process our application for approval of overhead power line crossing on National Highway NH-544D at chainage 133.944 Kms between Km stone 133 & 134.

Encl: A/a

Thanking you,

Yours faithfully  
For POWERGRID

(G Nagaraju)  
DGM, Nandyal CAO  
[gnagaraju@powergrid.in](mailto:gnagaraju@powergrid.in)  
9599928644



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

Ref: SR1/NDL/KK/F-20/NHAI/3

Date: 24.05.2024

To  
The Executive Engineer,  
(R&B)APRDC Division,  
Kurnool, (A P)

Subject : Construction of 765kV Kurnool III PS- Kurnool(new) transmission line- **MORTH NOC website not working-reg**

Dear Sir,

This is in reference to our proposal requesting approval of overhead crossing of subject line with National Highway NH-544D at chainage 133.944 Kms between Km stone 133 & 134.

We have tried to apply online in morthnoc.nic.in portal. However, application could not be saved as drop down menu of "stretch" in "location" tab is not available for selection. Screenshots attached.

Considering the above, it is requested to process our application offline.

Encl: A/a

Thanking you,

Yours faithfully  
For POWERGRID

(G Nagaraju)  
DGM, Nandyal, CAO  
[gnagaraju@powergrid.in](mailto:gnagaraju@powergrid.in)  
9599928644



**GOVERNMENT OF ANDHRA PRADESH  
(R&B) NATIONAL HIGHWAYS DEPARTMENT**

**From**  
**Sri D.SankaraReddyM.Tech,**  
**Executive Engineer,**  
**(R&B) APRDC Division,**  
**Kurnool**

**To,**  
**The Regional Officer,**  
**MoRT&H,**  
**Vijayawada.**



Lr No. ROW Permissions/EE/APRDC/KNL/NH-544D/2023-24

Dated:09.08.2024

Sir,

Sub:- (R&B) APRDC Division, Kurnool – NOC – "Construction of 765KV D/C transmission line from Kurnool III(PS) at Nandipadu village, Kolimigundlamandal -765 KV Maheswaram GIS (PG). (ii) Construciton of 765 KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundlamandal – 765 KV Kurnool SS (PG) at Orvakal – National Highway crossing – Reply to the Observations- Submitted – Reg.

Ref:- (i)Chief Engineer (R&B) NH&CRF, Vijayawada LtrNo: Transmission lines /DCENH/EENH/DEE I/AEE3/2024 Dt:24.06.2024  
(ii)Regional Officer, MoRT&H, Vijayawada LtrNo:RO/VJA/Misc.24/ Transmission lines /NH-544D/Sr.no.181/423 Dt:15.07.2024  
(iii)Power Grid Corporation of India Limited Lr. NO. SR1/NDL/KK/F-20/NHAI/ dated 24.07.2024

&&&

I submit that in the ref 1<sup>st</sup> cited, the Chief Engineer (R&B) NH&CRF, Vijayawadahas submitted proposals for NOC.

In the ref 2<sup>nd</sup> cited, the Regional Officer, MoRT&H, Vijayawada the returned the proposals to Executive Engineer(R&B), APRDC Division, Kurnool with some observations.

In the ref 3<sup>rd</sup> cited, Project Director, Power Grid Corporation of India Limited (PGCIL), has submitted the compliance for the observations made by the Regional Officer, MoRT&H, Vijayawada

I herewith submit the following observations submitted by the Project Director, Power Grid Corporation of India Limited (PGCIL).

AE

Sl No	Observations	Compliance Submitted by POWERGRID
1	As per Clause 4 of Ministry's circular guidelines dated 22.11.2016, the applicant must mention details the various safety clearances from the respective authorities such as Directorate of Electricity, and any other statutory clearances as applicable, which must be obtained by the applicant before applying to the Highway Administration	<p>It is to inform that prior safety clearances from Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosive safety Organization, oil industry safety Directorate, State/Central pollution Control board are NOT APPLICABLE for transmission line projects.</p> <p>Section 68(1) approval from MoP for execution of above line is enclosed at Annex-I.</p> <p>However, subject transmission line is being constructed in line with Central Electricity Authority (Safety Requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Lines) Regulations.</p>
2	In submitted draft license agreement, it is observed that condition no.35 is mentioned as NA, hence, it is requested to applicant to furnish the modified draft license agreement as per condition no.35 of Ministry's circular guidelines dated 22.11.2016	Modified License agreement is attached at Annex-2.
3	The submitted calculation of license fee has not been verified/certified by you. Hence, it is requested to verify and resubmit for further necessary processing	Certified License fee calculation is attached at Annex-3.
4	As per Ministry circular no. RW/NH-33044/27/2015-S&R (R) dated 22.11.2016 a format for maintaining records of Right of way permissions granted for laying Transmission lines crossing in Annexure-III shall be furnished. (copy attached).	Annexure-III format is filled with relevant data and attached in Annex-4.
5	Applicant shall be furnished a Bank Guarantee as per Ministry's circular guidelines dated 22.11.2016 and its subsequent amendments dated 17.04.2023	As per Ministry circular no. RW/NH-33044/27/2015-S&R (R) dated 22.11.2016 and its subsequent amendments dated 17.04.2023, rate for utility services such as towers is Rs.100/- per sq.m. Based on this, BG value for the total ROW area

		of 3015 sq.m is Rs. 3,01,500/-. The Project Director Power Grid Corporation of India Ltd., has stated that they shall be submit BG after conformation from Regional Officer, MoRT&H, Vijayawada.
6	Condition No.11 of Draft license agreement may please be modified according to Revised amendments of clause 3.1 of Ministry policy circular letter No.36094/01/2022-S&R(P&B) dated 17.04.2023 before signing license deed.	As per Ministry policy circular letter No.36094/01/2022-S&R(P&B) dated 17.04.2023, Modified License agreement is signed and submitted (Attached at Annex-2).
7	The checklist and draft license agreement needs revision.	The Checklist and draft license agreement is attached at Annex-5 & Annex-2 respectively.

Hence, I request the Regional Officer, MORT&H, Vijayawada to accord approval for above two 765KV D/C transmission lines.

**Yours faithfully,**  
*[Signature]* 09/08/24  
**Executive Engineer,**  
**(R&B) APRDC Division,**  
**Kurnool.**

Copy Submitted to Chief Engineer(R&B), NH&CRF, Vijayawada for favour of information.

Copy Submitted to Superintending Engineer(R&B), NH Circle, Ananthapuramu. for favour of information.

**GOVERNMENT OF ANDHRA PRADESH  
ROADS & BUILDINGS DEPARTMENT**

**From**  
**Sri D.Sankara Reddy, M.Tech.,**  
**Executive Engineer,**  
**(R&B) APRDC Division,**  
**Kurnool.**

**To**  
**The Deputy General Manager**  
**Power Grid Corporation,**  
**Of India Limited,**  
**Nandyal CAO.**

Lr.Rc.No. EE/R&B/APRDC/KNL/765 KV/2023-24, Dt: 19.07.2024

**Sir,**

**Sub:** (R&B) APRDC Division, Kurnool- NOC - "Construction of 765KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundla mandal - 765 KV Maheswaram GIS (PG). (ii) Construction of 765KV D/C transmission line from Kurnool III (PS) at Nandipadu village, Kolimigundla mandal - 765KV Kurnool SS (PG) at Orvakal - National Highway crossing Andhra Pradesh - Remarks - Replies - Requested - Regarding.

**Ref:** 1. Lr.No.RO/VJA/Misc.24/B/Transmission lines/ NH-544D/  
Sr.No. 181/423 dt: 15.07.2024 of Regional Officer MoRTH, Vijayawada.

XXXXX

While Enclosing a copy of the reference cited, you are requested to attend the remarks and submit the same to t/o office at the earliest for further action.

Encl: Ref 1<sup>st</sup> Cited.

**Yours Sincerely**

*D. Sankara Reddy* 19/07/24

**Executive Engineer (R&B)**  
**APRDC Division, Kurnool**



Ref: SR1/NDL/KM/F-20/NHAI/NH544D

Date: 24.07.2024

To  
The Executive Engineer (R&B),  
APRDC Division, Kurnool, (A P)



Subject : Construction of 765kV Kurnool III PS- Kurnool (PG) Transmission Line - **Submission of compliance along with supporting documents related to overhead power line crossing NH-544D-reg**

Ref : 1. Your letter reference: Lr.Rc.No.EE/R&B/APRDC/KNL/765KV/2023-24 dt: 19.07.2024

Sir,

This is with reference to your letter dated 19.07.2024 cited above, you were asked to submit the compliance for the observations made. Accordingly, the compliance for the observations is submitted along with this letter and necessary supporting documents are enclosed as detailed below:

1. Compliance for the observations
2. Annex-1 : Approval from MoP for execution of project
3. Annex-2 : Modified License agreements
4. Annex-3 : Certified License fee calculation
5. Annex-4 : Format of records right of way permissions Annexure-III.
6. Annex-5 : Checklists

It is kindly requested to accord the approval at the earliest.

Encl: A/a

Thanking you,

Yours faithfully  
For POWERGRID

  
(G Nagaraju)  
DGM, Nandyal CAO  
gnagaraju@powergrid.in  
Phone No. +91 95999 28644

**Appendix-1**

Sl No	Observations	Compliance by POWERGRID
1	As per Clause 4 of Ministry's circular guidelines dated 22.11.2016, the applicant must mention details the various safety clearances from the respective authorities such as Directorate of Electricity, and any other statutory clearances as applicable, which must be obtained by the applicant before applying to the Highway Administration	It is to inform that prior safety clearances from Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosive safety Organization, oil industry safety Directorate, State/Central pollution Control board are NOT APPLICABLE for transmission line projects.  Section 68(1) approval from MoP for execution of above line is enclosed at <b>Annex-1</b> .  However, subject transmission line is being constructed in line with Central Electricity Authority (Safety Requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Lines) Regulations.
2	In submitted draft license agreement, it is observed that condition no.35 is mentioned as NA, hence, it is requested to applicant to furnish the modified draft license agreement as per condition no.35 of Ministry's circular guidelines dated 22.11.2016	Modified License agreement is attached at <b>Annex-2</b> .
3	The submitted calculation of license fee has not been verified/certified by you. Hence, it is requested to verify and resubmit for further necessary processing	Certified License fee calculation is attached at <b>Annex-3</b> .
4	As per Ministry circular no. RW/NH-33044/27/2015-S&R (R) dated 22.11.2016 a format for maintaining records of Right of way permissions granted for laying Transmission lines crossing in <b>Annexure-III</b> shall be furnished. (copy attached).	Annexure-III format is filled with relevant data and attached in <b>Annex-4</b> .
5	Applicant shall be furnished a Bank Guarantee as per Ministry's circular guidelines dated 22.11.2016 and its subsequent amendments dated 17.04.2023	As per Ministry circular no. RW/NH-33044/27/2015-S&R (R) dated 22.11.2016 and its subsequent amendments dated 17.04.2023, rate for utility services such as towers is Rs.100/- per sq.m. Based on this, BG value for the total ROW area of 3015 sq.m is Rs. 3,01,500/-. BG shall be submitted after conformation from NHAI.
6	Condition No.11 of Draft license agreement may please be modified according to Revised amendments of clause 3.1 of Ministry policy circular letter No.36094/01/2022-S&R(P&B) dated 17.04.2023 before signing license deed.	As per Ministry policy circular letter No.36094/01/2022-S&R(P&B) dated 17.04.2023, Modified License agreement is signed and submitted (Attached at <b>Annex-2</b> ).
7	The checklist and draft license agreement needs revision.	The Checklist and draft license agreement is attached at <b>Annex-5 &amp; Annex-2</b> respectively.

G. Nagaraju

जी. नागराजु / G. NAGARAJU  
उप महा प्रबंधक/Dy.General Manager  
पावरग्रिड / POWERGRID  
नंद्याला सी.ए.ओ. / NANDYAL CAO

I/26212/2023



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
केन्द्रीय विद्युत प्राधिकरण  
Central Electricity Authority  
सचिव कार्यालय  
Secretary Office

सेवा में / To,

CGM (Corporate Planning)

Powergrid Corporation of India Ltd. (PGCIL)

Saudamini, Plot No. 2,

Sector-29, Gurugram,

Haryana-122001

**विषय:** विद्युत अधिनियम, 2003 की धारा 68(1) के तहत Power Grid Corporation of India Ltd. (PGCIL) को पारेषण योजना "Transmission system for Kurnool Wind Energy Zone /Solar Energy Zone (AP), Part-A & Part-B" में शामिल ओवरहेड पारेषण लाइनों की स्थापना के लिए भारत सरकार का पूर्व अनुमोदन – सम्बंधित।

**Sub:** Prior approval of Government of India under Section 68(1) of the Electricity Act, 2003, to Power Grid Corporation of India Ltd. (PGCIL) for installation of the overhead transmission lines included in the transmission scheme "Transmission system for Kurnool Wind Energy Zone /Solar Energy Zone (AP), Part-A & Part-B" - reg.

**संदर्भ / Reference:** PGCIL letter no. C/CP/Kurnool WEZ/SEZ- Part A & B dated 27.01.2023 received on NSWS portal on 30.01.2023 and Clarifications received on NSWS portal on 8.2.2023

महोदय / Sir,

Power Grid Corporation of India Ltd. (PGCIL) vide letter under reference has sought prior approval of Government of India under Section 68(1) of Electricity Act, 2003, for installation of the overhead transmission lines included in the transmission scheme – "Transmission system for Kurnool Wind Energy Zone /Solar Energy Zone (AP), Part-A & Part-B" with the following scope of works:

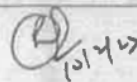
**Part-A**

Sl. No.	Scope / Transmission system	Capacity/km
1.	Establishment of 765/400/220 kV 3 x 1500 MVA, 9x500 MVA Pooling station at suitable location in Kurnool Distt	(i) 765/400 kV, 1500 MVA ICTs – 3 Nos. (10x500 MVA Incl. 1 spare unit)

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Sl. No.	Scope / Transmission system	Capacity/km
	<p>(Kurnool-III) with 1 x 330 MVAR (765 kV) &amp; 1 x 125 MVAR (400 kV) bus reactor</p> <p>220 kV line bays for interconnection of wind projects (15 nos)</p> <p>Space for:</p> <p>(i) 765/400 kV ICTs along with bays:- 2 nos</p> <p>(ii) 400/220 kV ICTs along with bays:- 4 nos</p> <p>(iii) 765 kV line bays with SLR:- 6 nos</p> <p>(iv) 400 kV line bays with SLR:- 4 nos</p> <p>(v) 220 kV line bays:- 7 nos</p> <p><b>Additional Space for:</b></p> <p>(i) 765/400 kV ICTs along with bays: 2 Nos.</p> <p>(ii) 400/220 kV ICTs along with bays: 7 Nos.</p> <p>(iii) 765 kV line bays with SLR: 2 Nos.</p> <p>(iv) 400 kV line bays with SLR: 4 Nos.</p> <p>(v) 400 kV line bays: 2 Nos.</p> <p>(vi) 220 kV line bays: 4 Nos.</p> <p>(vii) Space provision for 400 kV Bus Sectionalizer: 1 set</p> <p>(viii) Space for additional 220 kV future Bus Sectionalizer: 3 sets</p> <p>(ix) Space for additional future 220 kV TBC bay: 3 Nos.</p> <p>(x) Space for additional future 220 kV BC bays: 3 Nos.</p>	<p>(ii) 400/220 kV, 500 MVA ICTs -9 Nos.</p> <p>(iii) 765 kV line bay-2 nos</p> <p>(iv) 765 kV ICT bay-3 nos</p> <p>(v) 400 kV ICT bay-12 nos.</p> <p>(vi) 220 kV ICT bay-9 nos.</p> <p>(vii) 330 MVAR Bus Reactor -1 (4x110 MVAR, 765 kV, including 1 spare unit)</p> <p>(viii) 125 MVAR Bus Reactor -1</p> <p>(ix) 765 kV reactor bay -1</p> <p>(x) 400 kV reactor bay -1</p> <p>(xi) 220 kV line bays-15</p> <p>(xii) 220 kV Bus Sectionalizer - 2 sets</p> <p>(xiii) 220 kV TBC bay - 3 Nos.</p> <p>(xiv) 220 kV BC bay - 3 Nos.</p>
2.	Kurnool-III PS - Kurnool (new) 765 kV D/c line	100 km (approx.)
3.	765 kV line bays at Kurnool (new) - 2 nos	765 kV line bay:- 2 nos



राकेश गोयल/RAKESH GOYAL 2 | Page  
 सचिव/Secretary  
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
 विद्युत मंत्रालय/Ministry of Power  
 भारत सरकार/Govt. of India  
 नई दिल्ली/New Delhi-68



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**Part - B**

Sl. No.	Scope / Transmission system	Capacity/km
1.	Kurnool-III PS – Maheshwaram (PG) 765 kV D/c line	250 km (approx.)
2.	765 kV line bays at Kurnool-III (2 nos) and Maheshwaram (PG) (2 nos)	765 kV line bays:- 4
3.	240 MVAR switchable line reactors at both ends of Kurnool –III PS – Maheshwaram (PG) 765 kV D/c line along with bays	<ul style="list-style-type: none"> <li>240 MVAR Switchable line reactor - 4 (13 x 80 MVAR including 1 spare unit)</li> <li>Switching equipment for 420 kV 80 MVAR switchable line reactor – 4</li> </ul>

- Ministry of Power vide letter no. 15/3/2018-Trans-Pt(3) dated 04.11.2019 has approved the implementation of above mentioned transmission scheme through Regulated Tariff Mechanism (RTM) route with POWERGRID as the implementing agency.
- CEA vide letter dated 24.01.2020 had granted prior approval of the Government of India under Section 68(1) of the Electricity Act, 2003 to POWERGRID for the installation of overhead transmission line covered under the transmission scheme – “Transmission system for Kurnool Wind Energy Zone /Solar Energy Zone (AP), Part-A & Part-B”. The said transmission scheme was put on hold on account of land-availability issues/uncertainty in development of RE generation projects etc. Subsequently, in the 10<sup>th</sup> meeting of NCT held on 07.11.2022, POWERGRID was advised to take up the implementation of the subject transmission scheme and additional scope was also added at Kurnool-III Pooling Station.
- POWERGRID vide letters under reference has requested to issue a fresh prior approval of the Government of India under Section 68(1) of the Electricity Act, 2003, for implementation of above transmission scheme as they have not commenced the project within three years of grant of approval.
- Considering the above, CEA conveys the prior approval of the Government of India under Section 68 (1) of the Electricity Act, 2003, to POWERGRID for installation of the following overhead transmission lines included in the transmission scheme “Transmission system for Kurnool Wind Energy Zone /Solar Energy Zone (AP), Part-A & Part-B”:

**Part-A**

- Kurnool-III PS – Kurnool (new) 765 kV D/c line

**Part-B**

- Kurnool-III PS – Maheshwaram (PG) 765 kV D/c line

- The prior approval under Section 68 of the Electricity Act, 2003, granted by CEA vide its letter

  
 राकेश गोयल / RAKESH GOYAL  
 सचिव / Secretary  
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.  
 विद्युत मंत्रालय / Ministry of Power  
 भारत सरकार / Govt. of India  
 नई दिल्ली / New Delhi-65

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dated 24.01.2020 stands cancelled since the construction of project has not commenced within three years of grant of the approval.

7. This approval is subject to compliance of:
- (a) The relevant provisions of the Electricity Act, 2003, as amended from time to time and the rules and regulations made there under, and
  - (b) CEA (Measures relating to Safety and Electrical Supply) Regulations, 2010, and any subsequent amendments made thereto.
8. The approval is also subject to the following conditions:
- (i) The implementing agency will commence construction of the project within three years of grant of approval, unless this term is extended by the Central Electricity Authority.
  - (ii) Central Electricity Authority may withdraw the approval before the expiry of the period of three years after giving a one-month notice.
  - (iii) The implementing agencies shall abide by the provisions of Works of Licensee Rules, 2006 notified by the Govt. of India, Ministry of Power in the Gazette of India, extra-ordinary Part-II, Section 3(i)-dated 18-04-2006 (vide GSR 217 (E) dated 18-04-2006).

भवदीय/Yours faithfully,

  
(राकेश गोयल/Rakesh Goyal)

सचिव / Secretary

प्रतिलिपी / Copy to: Joint Secretary (Trans), MoP, Shram Shakti Bhawan, New Delhi.

राकेश गोयल/RAKESH GOYAL  
सचिव / Secretary  
केन्द्रीय विद्युत प्राधिकरण/C.E.A.  
विद्युत मंत्रालय/Ministry of Power  
भारत सरकार /Govt. of India  
नई दिल्ली /New Delhi-68



Annex-2

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY  
PERMISSIONS**

**FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS**

Agreement for laying of Kurnool-III PS --Kurnool (New) 765 kV D/C Overhead Power Transmission Line across National Highway No.544D (Banaganapalli to Nandyal Section) at KM 133.944 (i.e.) in between KM.133+000 to Km.134+000 Near Tangutoor Village, Banaganapalli Mandal in Nandyal District, Andhra Pradesh.

This Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ (month) of **2024** between Executive Engineer(R&B), APRDC Division, Kurnool & **Power Grid Corporation of India Limited, Nandyal CAO** acting in his executive capacity through (R&B) APRDC/National Highway Authority of India(hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include its successors in office and assigns) on the one part and Power Grid Corporation of India Limited, a company registered under the Companies Act, 1956 and having its Registered Office at B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016 (hereinafter called the "Licensee") which expression shall unless excluded by or repugnant to the context, include its successors/administrators, assigns on the second part.

Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in  
Km \_\_\_\_\_ to Km \_\_\_\_\_ of NH No.544D RoW ;

Whereas the Licensee proposes to lay Kurnool-III PS--Kurnool (New) 765 kV D/C Overhead Power Transmission Line across National Highway No.544D (Banaganapalli to Nandyal Section) at KM 133.944 (i.e.) in between KM.133+000 to Km.134+000 Near Tangutoor Village, Banaganapalli Mandal in Nandyal District, Andhra Pradesh. referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility services from  
Km.....Km.....of road/upto.....;

And whereas the Authority has agreed to grant such permission for way leave on the  
(NH-544D) RoW as per terms and conditions hereinafter mentioned.

**Now this agreement witnesseth that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permission to lay utility services as per the approved drawing attached hereto subject to the following conditions, namely.**

1. RoW permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway RoW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it is granted.

जी. नागराजु / G. NAGARAJU  
उप महा प्रबंधक / Dy. General Manager  
पावरग्रिड / POWERGRID  
नंद्याला सी.ए.ओ. / NANDYAL CAO



2. No Licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfilment of technical requirements shall be final and binding on all concerned parties. In case any disruption /damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.
3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility/ industrial infrastructure facilities.
4. The Licensee shall pay license fees @ Rs \_\_\_\_\_./sq m/month to the Authority. The License fee shall become payable from the date of handing over of RoW land to the Licensee, for laying of utilities/cables/conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc., the utility services shall be laid beyond the toe line of the embankments and clear of the drain.
8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the Licensee.
9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.

जी. नागराजु / G. NAGARAJU  
उप महा प्रबंधक/Dy. General Manager  
पावरग्रिड / POWERGRID  
नंदयाला सी.ए.ओ. / NANDYALA C.A.O.



10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority.
11. The utility services shall normally be permitted to cross the National Highway (NH 544D) either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry. Alternatively, for crossing of NH by pipelines for petroleum products, Horizontal Directional Drilling (HDD) method may be used without casing/ conduit pipe following the safety precautions and codes as given in Annexure II.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. N.A.
14. The utility services shall cross the National Highway (NH 544D) preferable on a line normal to it or as nearly so as practicable.
15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm. but not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
  - a. Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.
  - b. The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.
  - c. The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.
  - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.
17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land into the same condition as it was

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पावरग्रिड / POWERGRID  
नंदयाला सी.ए.ओ. / NANDYAL CAO

before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;

18. All required restoration work subsequent to laying of the electrical line shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs.....per route metre /Rs.....per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority/its designated agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility;
21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.
22. The Licensee shall be responsible to ascertain from the respective agency in coordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. before commencement of the excavation /using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations /utilities/facilities etc.
23. The Licensee shall be solely responsible/ liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them/claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in coordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.

जी. गुप्ता AGARAJU  
उप महा प्रबंधक General Manager  
पावरग्रिड / POWERGRID  
नंद्याला सी.ए.ओ. / NANDYAL CAO

24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance /repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.
29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission shall be valid only for the period it is issued, and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs, or alterations to the utility services without prior written permission of the concerned agency in coordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land /property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.

  
जी. नागराजु / G. NAGARAJU  
उप महा प्रबंधक/Dy. General Manager  
पावरग्रिड / POWERGRID  
नंदयाला सी.ए.ओ / NANDYAL CAO



33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.
34. The Licensee shall bear the Stamp Duty charged on this Agreement.
35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works. Since, it the application is for overhead transmission line hence Not applicable.
36. The Licensee shall allow free access to the Site at all times to the authorised representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:
- a. operation, repairs and maintenance guidelines given by the manufacturers,
  - b. the requirements of Law,
  - c. the physical conditions at the Site, and
  - d. The safety of operating personnel and human beings.
39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank

जी. नंद्याल सी. ए. ओ. / J. Nandyal S. E. O.  
उप महा प्रबंधक / General Manager  
पावरग्रिड / POWERGRID  
नंद्याल सी. ए. ओ. / NANDYAL CAO

Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.

42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT &H/ NHAI implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a Stamp Paper, Each party to this Agreement has retained one stamped copy each.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY, MONTH AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI \_\_\_\_\_

(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/s POWERGRID (LICENSEE)

BY SHRI G. Nagaraju  
जी. नागराजु / G.NAGARAJU  
उप महा प्रबंधक/Dy.General Manager  
(Signature, name & address with stamp)  
पावरग्रिड / POWERGRID  
नंद्याला सी.ए.ओ / NANDYAL CAO

HOLDER OF GENERAL POWER OF ATTORNEY DATED \_\_\_\_\_ EXECUTED IN  
ACCORDANCE WITH THE RESOLUTION NO. \_\_\_\_\_ DATED \_\_\_\_\_ PASSED BY THE  
BOARD OF DIRECTORS IN THE MEETING HELD ON \_\_\_\_\_

IN THE PRESENCE OF (WITNESSES):

1. विष्णु C. Vishnuvardhan Reddy, Engineer / powergrid
2. A. Santosh Reddy, A.SANTOSH REDDY, Manager, POWERGRID, Nandi paradise, Nandyal



Pre-mission for crossing of 765KV DC Transmission Line from Kurnool III(PS) at Nandipadu Village, Kolimigundla mandal to 765KV Kurnool SS(PG) at Orvakal at KM 133.944 in between chainage from KM 133 to KM 134 of NH544D Near Tangutoor Village, banaganapalle mandal in Nandyal District, Andhra Pradesh

Sl.No	Location	Chanaige(in KM)		Length (in Mtrs)	Width (In Mtrs)	Utilized NH Land Area(In Sq.Mtrs)	Prevailing Circle rate of Land in Rs./Acre(As per Revenue Records)	Prevailing Circle rate of Land in Rs./Sq.Mtrs(Rate per Acre/4046.86)	Amount	Minimum amount in Rs.	Amount to be paid for public utility in Rs
1	2	3(From)	4(To)	5	6	7(5*6)	8	9	10(7*9)	11	12 Max(10,11)
	Across the Road										
1	Tangutoor	133.944		45	67	3015	2,42,000	59.80	180295.34		
		License fee for Public utility shall be equal to utilized NH Land area X Prevailing Circle Rates of Lans per unit area X 1.5 % per annum									
		License Fee for 1 st Year							2704.43	10000.00	
		License Fee for 2 nd Year							2704.43	10000.00	10000.00
		License Fee for 3 rd Year							2704.43	10000.00	10600.00
		License Fee for 4 th Year							2704.43	10000.00	11236.00
		License Fee for 5 th Year							2704.43	10000.00	11910.16
		Total License Fee to be paid							2704.43	10000.00	12624.77
											56370.93

**ASSISTANT ENGINEER  
(R&B) N.H SECT-III  
KURNOOL**

S. S. 2 28/1/24  
Waymouth Executive Engineer (R&L)  
NH Sub-Division  
KIRANOL

जी. नागराजु / G. NAGARAJU  
उप महा प्रबंधक/Dy. General Manager  
पावरग्रिड / POWERGRID  
नंद्याला सी.ए.ओ / NANDYAL CAO

Ready 28/07/24  
Executive Engineer (R&B)  
A.P.R.D.C. Division, Kurnool

## Annexure-IV

[Enclosure to Ministry Circular No. RW/NH-33044/27/2015-S&R(R) dated 22.11.2016]  
Format for Maintaining Records of Right-of-Way permission granted for laying OFC  
 (to be maintained separately for every NH and State)

1. Name of State : ANDHRA PRADESH  
 2. Name of Agency : POWER GRID CORPORATION OF INDIA LIMITED (A Government of India Enterprise under Ministry of Power)  
 3. NH Number : NH 544D

Sr. No.	Location (chainage in Km)	Left of right side of NH (towards increasing chainage from direction)	Section and reach	Kind of service	Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection of site	Any deviation from MOST standard norms	Remarks
1	133.944 Km	134.279 KM	In between 133KM & 134KM	Crossing of 765KV DC Kurnool-3 to Kurnool (PG) Overhead Transmission line	The Deputy General Manager M/s POWER GRID CORPORATION OF INDIA LIMITED, Nandyal CAO, Plot No.-103, Nandi Paradise, Kranti Nagar, Nandyal-518601, Andhra Pradesh	NA	NA	NA	NA	Overhead crossing

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*S. S. Srinivasan*  
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*Dr. S. S. Srinivasan* 28/07/24  
 Executive Engineer (R&B)  
 A.P.D.G. Division, KURNOOL

*G. Srinivasan*  
 जी. नागराजु / G.NAGARAJU  
 उप महा प्रबंधक/Dy.General Manager  
 पावरग्रिड / POWERGRID  
 नंद्याला सी.ए.ओ / NANDYAL CAO

## CHECK LIST

Guidelines for processing the proposal for approval of crossing of 765KV D/C Kurnool-III PS - Kurnool(new) overhead transmission line near Tangutoor Village, Banaganapalli Mandal at Km.133.944 i.e., between the KM stones from Km.133+000 to Km.134+000 Km towards Nandyal

Sl. No.	Item	Information/Status	IE Comments
1	General Information		
1.1	Name and Address of the Applicant/Agency	The Deputy General Manager M/s POWER GRID CORPORATION OF INDIA LIMITED, Nandyal CAO, Plot No.-103, Nandi Paradise, Kranti Nagar, Nandyal-518601, Andhra Pradesh	
1.2	National Highway Number	NH-544D	
1.3	State	Andhra Pradesh	
1.4	Location	Near Tangutoor Village	
1.5	(Chainage in km)	133.944km	
1.6	Length in Meters		
1.7	Width of available ROW		
	a) Left side from center line towards increasing km direction	33.5 M	
	(b) Right side from center line towards increasing km direction	33.5 M	
1.8	Proposal to lay the overhead HT Transmission Line		
	(a) Left side from center line towards increasing km direction	133.609km	
	(b) Right side from center line towards increasing km direction	134.279km	
	(c) Angle of Crossing	86	
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.1	Whether proposal is in the same side where land is not to be acquired. If not then where to lay the HT line	NA	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	Number of lanes (2/4 / 6/8 lanes) existing	2	
1.13	Proposed Number of lanes (2 lane with paved 4 Lane shoulders /4/6/8 lanes)	NA	
1.14	Service road existing or not	NA	
	If yes then which side	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.15	Proposed Service Road	NA	
	(a) Left side from center Line	NA	
	(b) Right side from center line	NA	
1.16	whether proposal to lay overhead HT Transmission line after the service road or between the service road and main carriageway	NA	
1.17	Whether carrying of utility line has been proposed on highway Bridge . If yes, then mention the methodology proposed for the same	NA	
1.18	Whether carrying of utility line has been proposed on parapet/part of the bridge . If yes, then mention the methodology proposed for the same	NA	
1.19	if crossing of the road involved	Yes	
	if yes , it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line	Crossing is Involved as it is an EHT Line	
	(a) Whether the existing drainage structure are allowed to carry the utility pipeline	NA	
	(b) Is it on the line normal to NH	NA	
	(c) Crossing shall not be too near the existing structures on the National Highway. The minimum distance being 15mts. What is the distance from the existing structure	NA	

ASSISTANT ENGINEER  
(R&B) N.H SECT-III  
KURNOOL

Deputy Executive Engineer (R&B)  
NH Sub-Division  
KURNOOL

जी. नागराजु / G. NAGARAJU  
उप महा प्रबंधक/Dy.General Manager  
पावरग्रिड / POWERGRID  
नंद्याला सी.ए.ओ / NANDYAL CAO

Executive Engineer (R&B)  
A.P.R.D.C. Division, KURNOOL

# CHECK LIST

Guidelines for processing the proposal for approval of crossing of 765KV D/C Kurnool-III PS - Kurnool(new) overhead transmission line near Tangutoor Village, Banaganapalli Mandal at Km.133.944 i.e., between the KM stones from Km.133+000 to Km.134+000 Km towards Nandyal

Sl. No.	Item	Information/Status	IE Comments
	(d) The casing pipe carrying the utility line shall be of steel, cast iron, reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable. Mention type of casting	NA	
	(e) Ends of the casting pipe shall be sealed from the outside, so that it does not act as a drainage path	NA	
	(f) The casing/conduit pipe should be as minimum extend from drain to drain in cuts and toe of the slope in the fills	NA	
	(g) The top of the casing/Conduit pipe should be at least 1.20m below the surface of the roads subject to being at least 0.3 meters below, the drain inverts mention the proposed details	NA	
	(h) Mention the methodology proposed utility line. Crossing shall be by boring method (HDD). Specially, where the existing road pavements is of cement concrete or dense bituminous concrete type	NA	
	(i) The casting/Conduit pipe shall be installed with an even bearing throughout its length and in such manner as to prevent the formation of a water way along it.	NA	
2	Document/Drawings enclosed with the proposal		
2.1	Cross section showing the size of trench for open Yes Standard Size trenching method (Is it normal size of 1.2m deep x 0.3m wide) i) should not be greater than 60cm wider than the outer diameter of the pipe ii) Located as close to the extreme edge of the Right-of-way as possible but not less than 15 meters from the centre-lines of the nearest carriageway iii) Shall not be permitted to run along the National Highway when the road formation is situated in double cutting. Nor shall be laid over the existing culverts and bridge iv) These should be so laid that their top is at least 0.6mts below the ground level so as not to obstruct drainage of the road land	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method	NA	
2.3	Strip plan/Route Plan showing the OFC, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone intersection, cross drainage works etc.	Yes Enclosed	
2.4	Methodology for laying overhead Transmission lines	Yes Enclosed	
2.4.1	Open trench method (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, what is the methodology of refilling of trench		
	a) The trench width should be at least 30cm, but not more than 60 cm wider than the outer diameter of the pipe	NA	
	b) For filling of the trench bedding shall be to a depth of not less than 30cm. It shall consist of granular materials. Free of lumps, clods and cobbles and graded to yield a firm surface in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	NA	
	c) The backfill shall be completed in two stages i) side-fill to the level of the top of the pipe and ii) overfill to the bottom of the road crust	NA	

S. S. J. [Signature]  
Deputy Executive Engineer (R&B)  
NH Sub-Division  
KURNOOL

R. [Signature]  
ASSISTANT ENGINEER  
(R&B) N.H SECT-III  
KURNOOL

[Signature]  
Executive Engineer (R&B)  
A.P.R.D.C. Division, KURNOOL

G. [Signature]  
जी. नागराजु / G. NAGARAJU  
उप महा प्रबंधक / Dy. General Manager  
पावरग्रिड / POWER GRID  
नंद्याला सी.ए.ओ. / NANDYAL C.A.O.



CHECK LIST			
Guidelines for processing the proposal for approval of crossing of 765KV D/C Kurnool-III PS - Kurnool(new) overhead transmission line near Tangutoor Village, Banaganapalli Mandal at Km.133.944 i.e., between the KM stones from Km.133+000 to Km.134+000 Km towards Nandyal			
Sl. No.	Item	Information/Status	IE Comments
	d)The side fill shall consist of granular materials laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had removed. Consolidation by saturation or pending will not be permitted	NA	
	e)The road crust shall be built to the same strength as existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench	NA	
	f)The excavation shall be protected by flagman, signs and barricades and red lights during night hours	NA	
	g)If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	NA	
2.4.3	Laying of HT Transmission line through CD works and method of laying	NA	
3	Draft license Agreement signed by two witnesses	Yes Enclosed	
4	Whether Performance bank guarantee as per Ministry guidelines issued vide circular no:RW/NH-33044/29/2015/S&R@ Dated 22.11.2016 is obtained	As per Ministry circular no. RW/NH-33044/27/2015-S&R (R) dated 22.11.2016 and its subsequent amendments dated 17.04.2023, rate for utility services such as towers is Rs.100/- per sq.m. Based on this, BG value for the total ROW area of 3015 sq.m is Rs. 3,01,500/-. BG shall be submitted after conformation from NHAI.	
4.1	Confirmation of BG has been obtained are not as per MORTH/NHAI Guideline		
5	Affidavit/ Undertaking from the Applicant for		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to APRDC Division, Kurnool/NHAI or to the concerned agency.	Yes Enclosed	
5.2	Confirming all standard condition of Ministry circulars and NHAI guideline	Yes Enclosed	
5.3	Shifting of Overhead HT Lines as and when required by APRDC Division, Kurnool/NHAI at the cost of applicant	Yes Enclosed	
5.4	Shifting due to 6 laning/widening of NH	Yes Enclosed	
5.5	Indemnity against all damages and claims	Yes Enclosed	
5.6	Traffic movement during laying of Overhead HT Transmission Lines to be managed by the applicant	Yes Enclosed	
5.7	If any claim is raised by the Concessionaries then the same has to be paid by the applicant	Yes Enclosed	
5.8	Prior approval of Executive Engineer, R&B, APRDC Division, Kurnool shall be obtained before undertaking any work of installation, shifting or repairs, alteration to the overhead HT transmission line located in the National Highway Right-of-Way	Yes Enclosed	
5.9	Expenditure, if any, incurred by Executive Engineer, R&B, APRDC Division, Kurnool for repairing any damage caused to the National Highway by laying, maintenance or shifting of the overhead HT line will be borne by the applicant agency owning the line	Yes Enclosed	
5.10	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work of improvement or repair to the road, it will be carried out as desired by the MoRTH/NHAI at the cost of agency owning the utility line within the reasonable time(not exceeding 60 days) of the intimation given	Yes Enclosed	

*R. Ph...*  
 ASSISTANT ENGINEER  
 (R&B) N.H SECT-III  
 KURNOOL

*S. S. ...*  
 Deputy Executive Engineer (R&B)  
 NH Sub-Division  
 KURNOOL

*28/02/24*  
 Executive Engineer (R&B)  
 A.P.R.D.C. Division, KURNOOL

*G. Nagaraju*  
 जी. नागराजु / G. NAGARAJU  
 उप महा प्रबंधक / Dy. General Manager  
 पावरग्रिड / POWERGRID  
 नंद्याला सी.ए.ओ / NANDYAL CAO



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Guidelines for processing the proposal for approval of crossing of 765KV D/C Kurnool-III PS - Kurnool(new) overhead transmission line near Tangutoor Village, Banaganapalli Mandal at Km.133.944 i.e., between the KM stones from Km.133+000 to Km.134+000 Km towards Nandyal			
Sl. No.	Item	Information/Status	IE Comments
5.11	Text of the license deed is as per verbatim of MoRTH format issued vide ministry's circular no.RW-NH-33044/29/2015/S&R dated:22-11-20216	Yes Enclosed	
5.12	Certificate from the applicant in the following format		
	i)Laying of Overhead HT Line will not have any deleterious effects on any of the bridge components and roadways safety for traffic ii)For 6 laning we do undertaking that we will relocate service road/approach road/Utilities at my/our own cost not with standing the permission granted within such time as will be stipulated by NHA for the future four/six laning or any other development.	Yes Enclosed	
6	who will sign the agreement on behalf of overhaed HT Transmission line agency	The Deputy General Manager M/s POWER GRID CORPORATION OF INDIA LIMITED, Nandyal CAO, Plot No.-103, Nandi Paradise. Kranti Nagar, Nandyal-518601, Andhra Pradesh	
6.1	Power of attorney to sign the agreement is available or not	Yes	
7	Certificate from the Executive Engineer,R&B,APRDC Division, Kurnool		
7.1	certificate for confirming of all standard condition issued vide Ministry Circular No RW/NH-33044/29/2015-S&R dated 22.11.2016	Yes	
7.2	Certificate from Executive Engineer,R&B,APRDC Division, Kurnool in the following format		
	i)it is certified that any other location of the overhead HT line would be extremely difficult and unreasonable costly and the crossing of overhead HT line will not adversely affects the design, stability and traffic safety of the Highway nor the likely future improvement such as widening of the carriageway, asing of curve etc.	Yes	
	ii)For 6 lanning a)where feasibility is available I do certify that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed stricture at the said loaction. b)In case feasibility report is not available I do certify that sufficient ROW at site for accommodating proposed 6 lining	NA	
8	if NH section proposed to be taken up by NHA on BOT basis a clause to be inserted in the agreement. *The permitted Highway on which Licensee has been granted the right .to lay overhead power transmission line has also been granted as a right of way to the concessionaire under the concession agreement for Design engineering, Financing,Procurement, construction, operation & Maintenance of 2 lanning of Ananthapur-Guntur NH-544D section from Km 133 to km 134 of NMH No.- ----- on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same.		
9	Who will supervise the work of laying of overhead HT Transission Line		
	a)On behalf of the applicant	The Deputy General Manager M/s POWER GRID CORPORATION OF INDIA LIMITED, Nandyal CAO, Plot No.-103, Nandi Paradise. Kranti Nagar, Nandyal-518601, Andhra Pradesh	

**Assistant Engineer  
(R&B) N.H SECT-III  
KURNOOL**

**Deputy Executive Engineer (R&B)  
NH Sub-Division  
KURNOOL**

**Executive Engineer (R&B)  
A.P.R.D.C. Division, KURNOOL**

**जी. नागराजु G.NAGARAJU  
उप महा प्रबंधक/Dy.General Manager  
पावरग्रिड / POWERGRID  
नंद्याला सी.ए.ओ / NANDYAL CAO**

CHECK LIST			
Guidelines for processing the proposal for approval of crossing of 765KV D/C Kurnool-III PS - Kurnool(new) overhead transmission line near Tangutoor Village, Banaganapalli Mandal at Km.133.944 i.e., between the KM stones from Km.133+000 to Km.134+000 Km towards Nandyal			
Sl. No.	Item	Information/Status	IE Comments
	b)on Behalf of MoRTH/NHA	Executive Engineer,R&B,APRDC Division, Kurnool	
10	who will ensure that the defects in road portion afetr laying of utility line are corrected and if not Corporation Limited (State corrected then what action will be taken.		
	a)On behalf of the applicant	The Deputy General Manager M/s POWER GRID CORPORATION OF INDIA LIMITED, Nandyal CAO, Plot No.-103, Nandi Paradise. Kranti Nagar, Nandyal-518601, Andhra Pradesh	
	b)on Behalf of MoRTH/NHA	Executive Engineer,R&B,APRDC Division, Kurnool	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the concessionaire	The Deputy General Manager M/s POWER GRID CORPORATION OF INDIA LIMITED, Nandyal CAO, Plot No.-103, Nandi Paradise. Kranti Nagar, Nandyal-518601, Andhra Pradesh	
12	A Certificate from Executive Engineer,R&B,APRDC Division, Kurnool that he will enter the Yes proposed permission in the register of records of the permissions in the prescribed proforma(Copy enclosed)	Yes enclosed	
13	If any previous approval is accorded for laying overhead HT Line crossing then Photocopy of register of records of permissions accorded as maintained by Executive Engineer,R&B,APRDC Division, Kurnool	NA	

*R. P. S.*  
ASSISTANT ENGINEER  
(R&B) N.H SECT-III  
KURNOOL

*G. N. R.*  
जी. नागराजु / G. NAGARAJU  
उप महा प्रबंधक/Dy. General Manager  
पावरग्रिड / POWERGRID  
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*S. S. 2*  
Deputy Executive Engineer (R&B)  
NH Sub-Division  
KURNOOL

*Shree* 28/07/24  
Executive Engineer (R&B)  
A.P.R.D.C. Division, KURNOOL

# NATIONAL HIGHWAY CROSSING PROPOSAL



**Prathish Kumar**  
**Manager Project**  
**per Limited**

Handwritten:  
E.E. (RRSB)  
PPRDC  
Kushnagar,  
Jyoti Narain Singh Kushnagar  
उप महा प्रबंधक/Dy. Manager  
पावरग्रिड / POWERGRID  
नंदय्याला सी.ए.ओ. / NANDYAL CAO

LOC NO.:  
DA-001

CHAINAGE (m)	GROUND LEVEL (m)	DATE
0.00	203.41	04/2016
10.00	203.44	04/2016
20.00	203.57	04/2016
30.00	203.50	04/2016
40.00	203.52	04/2016
50.00	203.64	04/2016
60.00	203.39	04/2016
70.00	203.44	04/2016
80.00	203.44	04/2016
90.00	203.40	04/2016
100.00	203.33	04/2016
110.00	203.25	04/2016
120.00	203.14	04/2016
130.00	203.05	04/2016
140.00	202.92	04/2016
150.00	202.89	04/2016
160.00	202.87	04/2016
170.00	202.87	04/2016
180.00	202.87	04/2016
190.00	202.87	04/2016
200.00	202.87	04/2016



GROUND LEVEL (m)	202.70	202.77	202.44	202.39	202.30	202.69	202.93	202.62	202.48	202.31	202.27	201.17	200.95	201.06
CHANNEL-AGE (m)	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00	240.00	260.00



GROUND LEVEL (m)	201.06 201.03 200.87 201.01 200.92 200.94 201.02 201.17 201.82 201.26 201.16 200.99 200.80 200.87 200.82 201.02 201.31 201.25
CHADPAGE (m)	0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 180.00 200.00 220.00 240.00 260.00 280.00 300.00 320.00 340.00 360.00



DEVELOPMENT TITLE:	NARCOT - SINGAPURVA NARTAL HIGHWAY - 54th CROSSING PROPOSAL OF APPROX 765 FT X 120 FT EASEMENT TO EASEMENT - IN TRANSECCION LINE IN SECTION (AP 38 TO AP 39)		
INDA No:	CENTIN-TWIDOMIA86228743NCA-023-028889 dated 14.06.2023 (SUPPLY) CENTIN-TWIDOMIA86228743NCA-023-028890 dated 14.06.2023 (SERVICE)		
	Surveyed by	Checked by	Submitted by

NOTE -  
ALL DIAMENTION IN METER



Horizontal Scale: 20cm, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40. 1:2000 (1 cm = 20m)

Vertical Scale: 2cm, 2.2, 2.4, 2.6, 2.8, 3.0, 3.2, 3.4, 3.6, 3.8, 4.0. 1:200 (1 cm = 2m)

POWERGRID CORPORATION OF INDIA LIMITED  
(A Government of India enterprise)

M/s SKIPPER LIMITED  
KOLKATA, WEST BENGAL, INDIA  
[www.skipperlimited.com](http://www.skipperlimited.com)

Transmission Line Tower Package TW01 for 765 KV DIC Kurnool - Kurnool II (New) T/L associated with Transmission scheme for Evacuation of power

PROJECT TITLE:	(PWE) T/L 184000000 with Transmission scheme for evacuation of power from RE Sources in Kurnool Wind Energy Zone (3000MW)/Solar Energy Zone (1500 MW) Part A'
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**DETAILED TITLE:** NARAYAL - BANGANAPALLI NATIONAL HIGHWAY - SHD CROSSING PROPOSAL OF PROPOSED 765 KV D/C KURNOOL TO KURNOOL - II TRANSMISSION LINE IN SECTION (AP.20 TO AP.25)

NSA No	CGINTW-TWDOM/A00220743/NOA-023-102988/02 dated 14.06.2023 (SUPPLY) CGINTW-TWDOM/A00220743/NOA-023-102988/02 dated 14.06.2023 (SERVICE)		
	Surveyed by	Checked by	Submitted by

CONTRACTOR:	<i>Emadel</i>	<i>Emadel</i>	<i>[Signature]</i>
-------------	---------------	---------------	--------------------

(Sunit Mondal)	(Sunit Mondal)	D. Sunit Kumar Manager Project Supplier Limited
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	Checked by	Recommended by	Approved by

CLERK  
(PCL)

of 2020

श्री. रमेश / S. RAJESH  
OFF. MANAGER

श्री. शरणा / S. SHARANA

	सर्वोत्तम / POWERGRIP	DR. H.D. KUMAR / Dr. H.D. KUMAR
	सर्वोत्तम / POWERGRIP	सर्वोत्तम / POWERGRIP
	सर्वोत्तम / POWERGRIP	सर्वोत्तम / POWERGRIP