भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways, Government of India)

क्षेत्रीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्, चलसानी नगर , रानीगरीतोटा, कृष्णालंका, विजयवाड़ा - 520 013, आंध्र प्रदेश

Regional Office :D.No. 41-29-45A, RS No. : 373/2A, Kodandaramalayam, Chalasani Nagar, Ranigari Thota, Krishna Lanka, Vijayawada - 520 013, Andhra Pradesh

फोन / Tele : 0866 -2483910, इ-मेल / E-mail : rovijayawada@nhai.org, nhairovja@gmail.com

वेब / Web : www.nhai.gov.in

Ref: NHAI/RO-VJA/UTS/APTRANSCO/400KV/2024-25/ 3209 Nov 11, 2024.

INVITATION OF PUBLIC COMMENTS

Sub: NHAI, RO - Vijayawada - Supply, Erection, Testing and Commissioning of 400 KV Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/200 KV sub-station Kamavarapukota (Zone-5) on turnkey basis - overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District for stringing works between Loc No. 24/0 and 25/0 - **Public comments** - Reg.

The Project Director, PIU - Rajamahendravaram submitted a proposal of M/s. APTRANSCO along NH-16 **Supply, Erection, Testing and Commissioning of 400 KV Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/200 KV sub-station Kamavarapukota (Zone-5) on turnkey basis - overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District for stringing works between Loc No. 24/0 and 25/0.**

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,
Regional Office, Dr. No.41-29-45A, R. S. No.373/2A
Near Kodandaramalayam, Chalasani Nagar,
Ranigarithota, Krishnalanka, Vijayawada - 520 013.
Email: rovijayawada@nhai.org

(R.K. Singh, IES)
CGM (Tech) & Regional Officer

सत्यमेव जयते
भारत प्रभुत्वं

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)
परियोजना कार्यान्वयन इकाई - टोयोटा शोरूम के बाजु, राजमार्ग २१६ ए,
दिवानचेरुवु, राजमहेंद्रवरम - ५३३ १०२. आं.प्र.
PROJECT IMPLEMENTATION UNIT - Adjacent to Toyota Showroom,
NH-216A, Diwancheruvu, Rajamahendravaram - 533102, A.P.
द र ा / Phone : 0883 - 2431170 ई `इल / e-mail: raj@nhai.org / piurajahmundry@gmail.com

భారత జాతీయ రహదారుల
ప్రాధికార సంస్థ
రాజమహేంద్రవరము

Ref No: NHAI/PIU-RJY/UTS/TOT/2024/ 31596 Date: 08.10.2024

To
The Regional Officer,
National Highways Authority of India
Vijayawada - 520 013

Sub: NHAI, PIU, Rajamahendravaram – Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/220kv Sub-station Kamavarapukota (Zone-5) on turnkey basis – overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District for stringing works between Loc Nos 24/0 and 25/0 - **Approval – Requested - Reg**.

Ref: 1. Executive Engineer, 400 KV OMC Circle, APTRANSCO, Rajamahendravaram letter no. EE/400/RJV/F.Vem-K.kota/D.No. 5/2024, dated 03.04.2024
2. This office letter no. NHAI/PIU-RJY/GEN/2024/30871, dated 10.04.2024
3. Executive Engineer, 400 KV OMC Circle, APTRANSCO, Rajamahendravaram letter no. EE/400/RJV/F.Vem-K.kota/D.No. 35/2024, dated 02.05.2024
4. This office letter no. 11015/5/NHAI/PIU-RJY/TOT/IE/PP/2024/30976, dated 02.05.2024
5. IE, M/s. MSV International INC - Sri Infotech letter no. MSV_SIT/116/RJY-TOT/2024/NHAI/455, dated 06.09.2024
6. Concessionaire, Diwantham Tollway Pvt Ltd letter no., DSTPL/NHAI/2024-25/1841, dated 18.09.2024

Sir,

1. It is to submit that vide reference 1st cited the Executive Engineer, 400 KV OMC Circle, APTRANSCO, Rajamahendravaram, has requested this office to accord approval for Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/220kv Sub-station Kamavarapukota (Zone-5) on turnkey basis – overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District for stringing works between Loc Nos 24/0 and 25/0 for the project stretch of Diwantham- Siddhantham section of NH-216A.

2. Vide reference 2nd cited, this office has communicated certain observations to furnish the proposals for crossing NH as per MORT&H guidelines dated 22.11.2016 for obtaining the approval of the Competent Authority of NHAI in this regard.

3. Accordingly, Executive Engineer, 400 KV OMC Circle, APTRANSCO, Rajamahendravaram vide reference 3rd cited, has submitted the proposals as per MORT&H guidelines with the following undertakings and requested to accord approval for crossing of NH.

8/10/24

a) Power of attorney on Non-Judicial stamped paper of Rs. 100/-
b) Certificate on non-judicial stamped paper of Rs. 100/-
c) Undertaking on Non- Judicial stamped Paper of Rs. 100/-.
d) License deed for laying overhead electric power line across NH land on Non-Judicial stamped Paper of Rs. 100/-
e) Crossing details at NH (Plan) & Sketch showing crossing of overhead line.
f) Picture showing NH Crossing (Google image)
g) Methodology of laying of overhead electric power line.
h) Checklist for getting approval for laying of overhead electric power line across NH land.

4. Vide reference 4th cited, this office has requested the Independent Engineer & Concessionaire of the project stretch to inspect the site and furnish necessary report to this office.

5. Vide reference 5th cited, the Independent Engineer, M/s. MSV International INC - Sri Infotech for the project stretch has furnished their recommendations and the Concessionaire, M/s. Diwantham Tollways Pvt Ltd vide reference 6th cited has furnished their consent for according permission to APTANSCO for the subject work.

6. In this regard, it is to submit the proposal submitted by the Executive Engineer, 400 KV OMC Circle, APTRANSCO, Rajamahendravaram was examined as per MORT&H guidelines dated 22.11.2016 and the following is submitted:

- The overhead transmission line (i.e 400KV) is crossing at clearance of 16 mts and 16.2 mts on Highway, which is more than minimum as per the guidelines.
- APTRANSCO proposed to erect the towers on both sides of NH in the private lands at a distance of 247 mts in between towers as shown in the drawing, which is beyond edge of RoW.
- As per new Electrical Act, the minimum clearance for 400 KV lines is 14.0 mts from FRL of Road.

7. Under the circumstance stated above, it is recommended that necessary approval may please be accorded to APTRANSCO for Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/220kv Sub-station Kamavarapukota (Zone-5) on turnkey basis – overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District for stringing works between Loc Nos 24/0 and 25/0.

8. Submitted for orders.

Thanking You

Yours faithfully,

Encl : As above

08/10/2024

(D. Surendra Nath)
Project Director

D: My Documents/Vijay Kumar/PD Correspondence/General Correspondence-4

400/200 KV

MSV INTERNATIONAL INC.

In Association with

SRI INFOTECH

MSV International, Inc.
No. 23-13-10,
Chakravarti's Ashram Avenue,
AV Apparao Road
OPP: Nethaji School & Church
RAJAMAHENDRAVARAM-533103,
Andhra Pradesh.
E-Mail : msv.rajamundry@gmail.com

(Independent Engineer Services for National Highway Stretches of TOT Projects in the State of Andhra Pradesh for the sections of (i) Anakapalli to Annavaram Section of NH16 from Km:741.255 to Km:810.525 (TOT)- Bundle-1 (Package-4) for a length of 69.270 km (ii) Annavaram to Diwancheruvu Section of NH16 from Km: 928.527 To Km:991.500 (TOT) – Bundle-1 (Package-3) for a length of 70.925 Km (iii) Diwancheruvu to Siddhantham Section of NH216A from Km:901.500 to Km:950.542 (TOT) – Bundle-1 (Package-1) for a length of 49.042 Km, (iv) Siddhantham to Gundugolanu Section of NH216A from Km [illegible] (Package-1) for a length of 55.952 Km

INWARD
No: BE700
Date: 06/09/24
Time:
M(T) PS
SE ACCT.
LAO
NHAI, PIU,
RAJAMAHENDRAVARAM.

Ref.:MSV_SIT/116/RJY-TOT/2024/NHAI/ 455 Dt: 06.09.2024

To
The Project Director,
National Highways Authority of India,
Project Implementation Unit,
Sy No. 560/3, Adjacent to Toyota Showroom, NH-16,
Diwancheruvu, RAJAMAHENDRAVARAM-533 102.

Sub: Independent Engineer Services for Operation and Maintenance of Diwancheruvu to Siddhantham section (from Km 901+500 to Km 950+542) of NH-216A under Bundle-1 of Tolling, Operation, Maintenance & Transfer (TOT) Projects in the State of Andhra Pradesh **Inspection Report regarding Permission for Overhead crossing of NH-216A Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal Dr. B.R. Ambedkar Konaseema District and for stringing works Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/220kv Sub-station Kamavarapukota (Zone-5) on turnkey basis – Reg.**

Ref: 1. Authority Letter No. 11015/5/NHAI/PIU-RJY/TOT/IE/PP/2024/30976 dated 02.05.2024

Dear Sir,

With reference to your letter cited above, wherein IE has been requested to inspected the proposal of Overhead crossing of NH-216A Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal Dr. B.R. Ambedkar Konaseema District and furnish our specific recommendations as per MoRTH circular dated 22.11.2016. The proposal has been examined in accordance with the MoRT&H guidelines.

Further, the proposal has been verified at site on dated 05.09.2024 along with Deputy Executive Engineer (Mr. P.V Mallikarjunarao- Mob. 9440817636) & AEE (Mr. K. Anil Kumar) 400kv Construction Division, AP Transco, Rajamahendravaram and the observations of the site inspection are given below for your further action please.

1. The applicant has mentioned in the drawing the RoW is 22.5m on LHS and 22.5m on RHS. However, as per the site the available is 29m on LHS and 13m on RHS as per CA of annexure-1 Schedule-A.
2. The Overhead transmission line (i.e. 400kv) is crossing at clearance of 16 mtrs and 16.2 mtrs on Highway, which is more than minimum clearance as per the guidelines.
3. The Overhead transmission line distance of two towers is 247 mtrs as shown in the drawing, which is beyond the edge of RoW.

4. The submitted check list is verified in accordance with the MoR&TH circular dated 22.11.2016 and found ok.

In view of the above, permission may be granted to the applicant for crossing of Overhead crossing of NH-216A Rajamahendravaram to Ravulapalem at Km. 931+766 (Choppella Village).

Thanking you and assuring you of our best services at all times.

Yours sincerely,
For MSV International INC. Association with Sri Infotech

A. SRINIVASA RAO
TEAM LEADER
Encl: Proposal File

Copy to: 1.The Authorized Signatory, Diwantham Tollyway Private Limited.
2.HO,MSV-Sri Infotech, Hyderabad - for information.

SAFEWAY

DSTPL/NHAI/2024-25/1841 Dated: 18-September-2024

To
The Project Director,
Project Implementation Unit,
National Highways Authority of India,
SY No.560/3, Adjacent to Toyota Showroom, NH-216A,
Diwancheruvu, **RAJAHMUNDRY**-533102, Andhra Pradesh

Sub : Projects comprising of 9 National Highway stretches (Bundle-1) on Toll Operate Transfer Mode - **Diwancheruvu to Siddhantham section (from Km.901+500 to Km.950+542) of NH-5 (New NH-16) in the state of Andhra Pradesh.**

Permission for overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District and for stringing works between Loc Nos 24/0 and 25/0 as part of Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/200kv Sub-station Kamavarapukota (Zone-5) on turnkey basis - Submission of Consent - Regarding.

Ref : 1) Your letter No. 11015/5/NHAI/PIU-RJY/TOT/IE/PP/30976 dated 02-05-2024
2) EE-APTRANSCO-Rajamahendravaram letter dated 02-05-2024
3) IE's letter No. MSV_SIT/116/RJY-TOT/2024/NHAI/455 dated 06-09-2024

Dear Sir,

This refers to your above cited letter dated 02-05-2024 (ref.1), wherein recommendation of the Concessionaire was sought regarding permission for overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village (NH Km.931+766) of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District and for stringing works between Loc Nos 24/0 and 25/0 as part of Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/200kv Sub-station Kamavarapukota (Zone-5) on turnkey basis.

In response to the above communication, we hereby convey our consent for issuing NOC to M/s. APTRANSCO for overhead crossing at Km.931+766 (Choppella Village) subject to the provisions of Clause 11.3.1 of the Concession Agreement i.e., *"Where such access or use causes any financial loss to the Concessionaire, it may require the user of the Site to pay compensation or damages as per Applicable Laws".*

Thanking you and assuring of our best services at all times.

Yours faithfully,
For and on behalf of Diwantham Tollway Private Limited

K. Balasubramanyam
Authorized Signatory

K. Hari Krishna
Authorized Signatory

Copy to : The Independent Engineer, M/s. MSV International, Inc., AV Apparao Road, Rajahmundry - for information please.

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

From:

The Executive Engineer,
400kV Const. Division,
D.No.78-4-17, Syamalanagar,
Rajamahendravaram-533103
Cell No. 9440 811195.

To:

The Project Director,
National Highway authority of India,
Sy no.560/3, Adjacent Toyata Showroom,
NH-216A, Diwancheruvu,
Rajahmundry – 533 102, E.G. Dist.
Email : piurjy@nhai.org

Lr. No.EE/400kV Const./RJY/F.Vem.-K.kota/D. No.35/ 2024, Dt.2 -05-2024.

Sir,

Sub:- APTRANSCO - 400KV Const. Division/Rajamahendravaram – "Supply, Erection, Testing and commissioning of 400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation (Zone-5) on Turnkey basis – Overhead crossing of NH-216A from Rajahmundry to Ravulapalem at Choppella Village (Km 931.766) of Alamuru Mandal for stringing works between tower location No.24/0 & 25/0" - Permission requested – Reg.

Ref:- 1) Lr. No.EE/400kV Const./RJY/F.Vem.-K.kota/D. No.05/2024, Dt. 03 -04-2024.
2) Ref.No:NHAI/PIU-RJY/GEN/2024/30871.

*** * ***

This is to submit that, APTRANSCO is erecting 400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation. Accordingly, APTRANSCO has made arrangements for overhead crossing at Choppella Village(Km 931.766) of Alamuru Mandal of NH-216A Rajahmundry to Ravulapalem between tower location No.24/0 & 25/0.

In this connection,the necessary proposals for crossing NH as per MORT&H guidelines dated 22.11.2016 for obtaining the approval of the Competent Authority of NHAI is here with submitted duly following the above mentioned guidelines. The details of the documents enclosed are as follows:

1. Power of Attorney on Non- Judicial stamped Paper of Rs. 100/-
2. Certificate on Non- Judicial stamped Paper of Rs. 100/-
3. Undertaking on Non- Judicial stamped Paper of Rs. 100/-
4. License deed for laying overhead electric power line across NH land on Non- Judicial stamped Paper of Rs. 100/-
5. Crossing details at NH (Plan) & Sketch showing crossing of overhead line.
6. Picture showing NH Crossing (Google image)
7. Methodology of laying of overhead electric power line.
8. Checklist for getting approval for laying of overhead electric power line across NH land

It is requested to kindly examine the proposal and convey your approval at the earliest so as to enable us to complete the stringing of the crossing section NH-216A at Choppella village (Km 931.766) of Alamuru Mandal between tower location No.24/0 to 25/0 of the subject line for completing the line works within the stipulated time.

Considering the **National Importance of the Project**, your early action and kind co-operation is solicited in this regard.

Pl. obtain Comments of IE & Content of Compliance

INWARD
No: 86377
Date: 02/05/24
Time: 3:40
IPS
ACCT.
AO
NHAI, PIU,
RAJAHMENDRAVARAM.

Yours Sincerely,

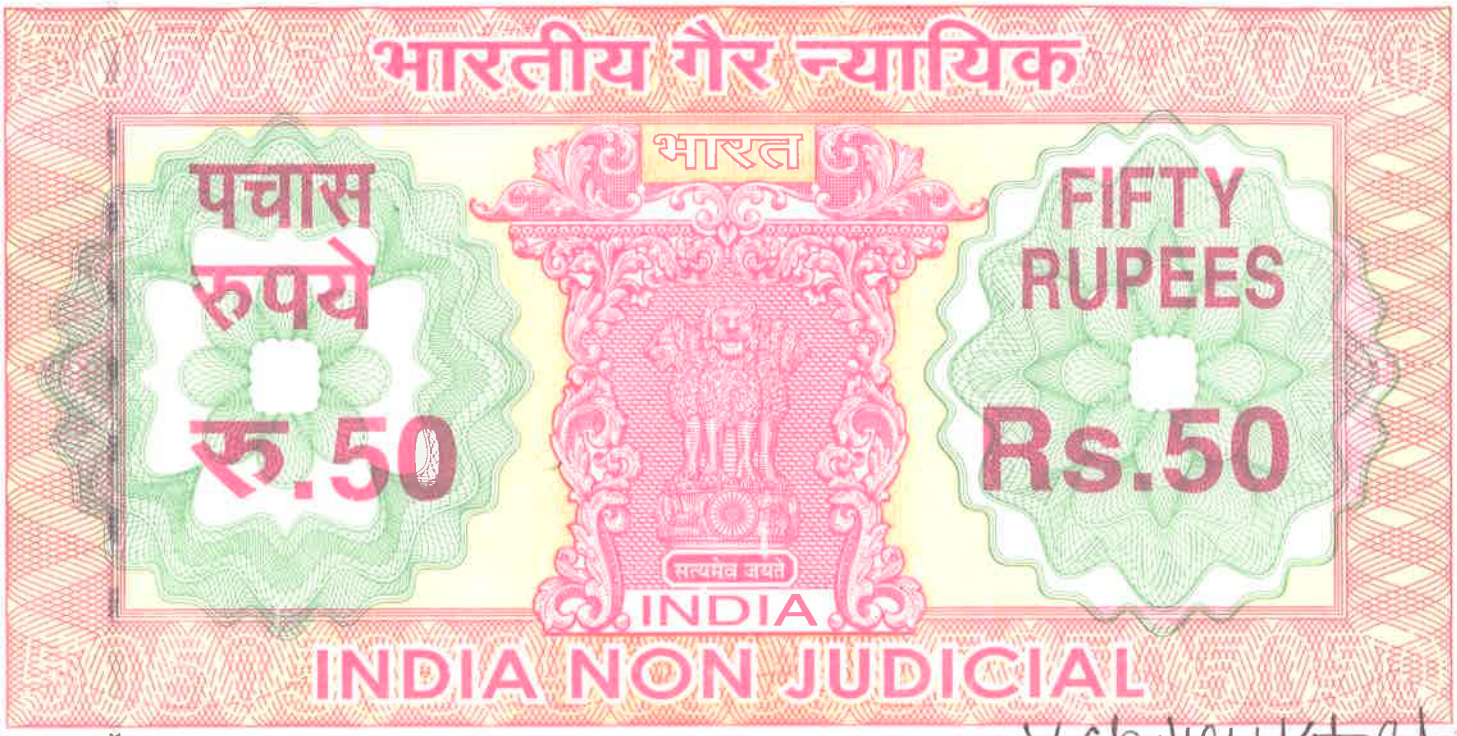
Executive Engineer
400KV Construction:APTRANSCO
Rajamahendravaram.

cell no: 9440817636

Copy submitted to the:

Chief Engineer/Projects/APTRANSCO/Vidyutsoudha/Vijayawada*
Superintending Engineer / 400KV OMC Circle / APTRANSCO / Visakhapatnam*

*For favour of information.



ఆంధ్రప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH

Y.ch.Venkata Lakshmi

AS 042180

V.CH.VENKATA LAKSHMI
Licensed Stamp Vendor
L.No.04-28-05-2023
RAJAMAHENDRAVARAM-533101
26 Ward, Cell: 9541403113

No. 914 Date. 13/03/2024

Sold To..... S. Siva Ramakrishna s/o S. Pydi Raju

For Whom Self ..... Rajamahendravaram

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Date: 02.05.2024

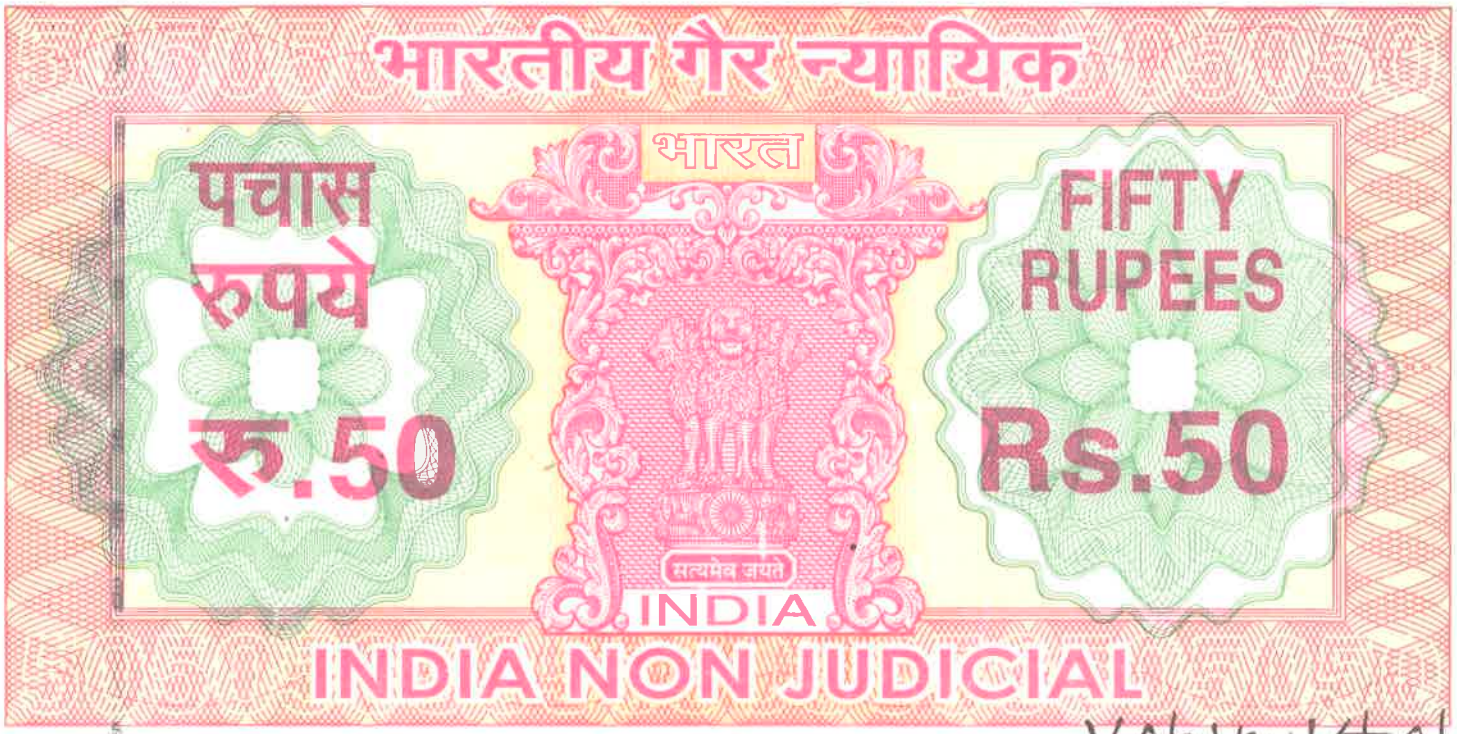
POWER OF ATTORNEY

Sub:- Permission for laying of Transmission Line **"400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation" 100Km (approx.)** - Crossing NH-216A at Choppella Village , Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh. Power of attorney Signatory.

***

This is to certify that Sri. S.Siva Ramakrishna, Executive Engineer, APTRANSCO, 400KV Construction Division, Rajamahendravaram is authorised to sign and submit applications and other correspondences on behalf of **Transmission corporation of Andhra Pradesh limited** to **National High ways authority of India** for obtaining clearances / Crossing permission in connection with the laying of

EXECUTIVE ENGINEER
400kV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM



ఆంధ్రప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH

Y.Ch.Venkatalakshmi
AS 042179
Y.CH.VENKATA LAKSHMI
Licensed Stamp Vendor
L.No.04-28-05-2023
RAJAMAHENDRAVARAM-533101.
26 Ward, Cell: 9441403113

No. 913 Date. 18/03/2024

Sold To.. S. Siva Ramakrishna s/o S. Pydi Raju

For Whom Self Rajamahendravaram

overhead electric power transmission line viz., **"400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation** -100Kms (approx.). Transmission Line across National Highway No.216A at Choppella village, Alamuru **Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh.**

Specimen Signature

VRK

S SIVA RAMAKRISHNA,
Emp ID No.1023382,
Executive Engineer,
400KV Construction Division,
APTRANSCO : Rajamahendravaram.

For TRANSMISSION CORPORATION OF AP Ltd.

19/3/24

Superintending Engineer,
400KV OMC Circle / Visakhapatnam.

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)
परियोजना कार्यान्वयन इकाई - टोयोटा शोरूम के बाजु, राजमार्ग २१६ ए,
दिवानचेरुवु, राजमहेंद्रवरम - ५३३ १०२. आं.प्र.
PROJECT IMPLEMENTATION UNIT - Adjacent to Toyota Showroom,
NH-216A, Diwancheruvu, Rajamahendravaram - 533102, A.P.
दूरभाष / Phone : 0883 - 2431170 ई-मेइल / e-mail: raj@nhai.org / piurajahmundry@gmail.com

Ref No: NHAI/PIU-RJY/GEN/2024/ 30871 Date: 10.04.2024

To

The Executive Engineer
400 KV OMC circle
D.No. 7-4-17, Syamalanagar
Rajamahendravaram

Sir

Sub: NHAI, PIU, Rajamahendravaram – Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/220kv Sub-station Kamavarapukota (Zone-5) on turnkey basis – overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District for stringing works between Loc Nos 24/0 and 25/0 – **Observations - Communicated** - Reg.

Ref: Your letter no. EE/400/RJV/F.Vem-K.kota/D.No. 5/2024, dated 03.04.2024

With reference to your proposal vide reference cited, regarding the Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/220kv Sub-station Kamavarapukota (Zone-5) on turnkey basis – overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District for stringing works between Loc Nos 24/0 and 25/0, the following observations were made.

1. Undertakings not furnished as per MORT&H Circular dated 22.11.2016
2. Checklist is not as per MORT&H circular
3. The Proposal is falling on NH-216A. However, in the proposal NH No is mentioned as NH-16 instead of NH-216A. The same is to be corrected in all the documents of the proposal.

As such, the proposals submitted by you vide reference cited above are herewith returned for compliance. The modified proposals shall be submitted in 4 sets (02 original + 02 nos duplicate) to this office to take further necessary action

Yours faithfully

Encl: As above

10/04/2024

(D. Surendranath)
Project Director

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

INWARD
No: 85655
Date: 04/04/2024
Time: 11:30
NHAI, PIU, RAJAMAHENDRAVARAM.

From:

The Executive Engineer,
400kV Const. Division,
D.No.78-4-17, Syamalanagar,
Rajamahendravaram-533103
Cell No. 9440 811195.

To:

The Project Director,
National Highway authority of India,
Sy no.560/3, Adjacent Toyata Showroom,
NH-216A, Diwancheruvu,
Rajahmundry – 533 102, E.G. Dist.
Email : piurjy@nhai.org

Lr. No.EE/400kV Const./RJY/F.Vem.-K.kota/D. No. 5 / 2024. Dt.3 -04-2024.

Sir,

Sub:- APTRANSCO - 400KV Const. Division/Rajamahendravaram – Supply, Erection, Testing and commissioning of 400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation (Zone-5) on Turnkey basis – Overhead crossing of NH-16 from Rajahmundry to Ravulapalem at Choppella Village (Km 931.766) of Alamuru Mandal for stringing works between tower location No.24/0 & 25/0 - Permission requested – Reg.

*** * ***

This is to submit that, APTRANSCO is erecting 400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation. Accordingly, APTRANSCO has made arrangements for overhead crossing at Choppella Village(Km 931.766) of Alamuru Mandal of NH-16 Rajahmundry to Ravulapalem between tower location No.24/0 & 25/0.

In this connection, the necessary proposals for crossing NH as per MORT&H guidelines dated 22.11.2016 for obtaining the approval of the Competent Authority of NHAI is here with submitted duly following the above mentioned guidelines. The details of the documents enclosed are as follows:

1. Power of Attorney on Non- Judicial stamped Paper of Rs. 100/-
2. Certificate on Non- Judicial stamped Paper of Rs. 100/-
3. Undertaking on Non- Judicial stamped Paper of Rs. 100/-
4. License deed for laying overhead electric power line across NH land on Non- Judicial stamped Paper of Rs. 100/-
5. Crossing details at NH (Plan) & Sketch showing crossing of overhead line.
6. Picture showing NH Crossing (Google image)
7. Methodology of laying of overhead electric power line.
8. Checklist for getting approval for laying of overhead electric power line across NH land

It is requested to kindly examine the proposal and convey your approval at the earliest so as to enable us to complete the stringing of the crossing section NH-16 at Choppella village (Km 931.766) of Alamuru Mandal between tower location No.24/0 to 25/0 of the subject line for completing the line works within the stipulated time.

Considering the **National Importance of the Project**, your early action and kind co-operation is solicited in this regard.

Yours Sincerely,

Executive Engineer
400KV Construction:APTRANSCO
Rajamahendravaram.

Copy submitted to the:

Chief Engineer/Projects/APTRANSCO/Vidyutsoudha/Vijayawada*
Superintending Engineer / 400KV OMC Circle / APTRANSCO / Visakhapatnam*

*For favour of information.

भारतीय गैर न्यायिक

भारत

पचास रुपये

रु.50

FIFTY RUPEES

Rs.50

सत्यमेव जयते

INDIA

INDIA NON JUDICIAL

आंध्रप्रदेश आन्ध्र प्रदेश ANDHRA PRADESH

K. Jhansi Rani

AX 425645

Sl.no. 127 Date 23-03-2024.

Sold To S. Siva Ramakrishna S/o S. Pydiraju

For Whom Self

K. JHANSI RAN
Licenced Stamp Vendor
RL.No. 04-28-001/2023 to 20
RAJAMAHENDRAVARAM - 533
M.V Peta, Cell: 98486644

Rajamahendravaram

CERTIFICATE

Name of the work:- Proposal to lay overhead Electric Power Transmission line, Viz., **"400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation". Transmission Line Crossing NH216 at Choppella village(931.766km) of Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh.**

Undersigned, S. Siva Ramakrishna, Executive Engineer, on behalf of **Transmission Corporation Of Andhra Pradesh Limited**, certify that

1. Laying of overhead Electric power transmission line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.

EXECUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM

भारतीय गैर न्यायिक

भारत

पचास रुपये

रु.50

FIFTY RUPEES

Rs.50

सत्यमेव जयते

INDIA

INDIA NON JUDICIAL

ఆంధ్రప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH

AX 425646

S.No. 1011 Date 23/03/2024

Sold To S. Siva Ramakrishna S/o S. Pydi Raju

For Whom Self Rajamahendravaram

K. JHANSI RAN
Licenced Stamp Vendor
RL.No: 04-28-001/2023 to 20
RAJAMAHENDRAVARAM - 533
M.V Peta, Cell: 99

2. For six-laning " We do undertake that we will relocate service road / approach road / utilities at our own cost not withstanding the permission granted within such time as will be stipulated by NHAI" for future six-laning or any other development.
3. This proposal implemented now will not affect any likely future improvement to geometrics.
4. We undertake that permission does not lead to the adverse impact on the safety and stability of the Highway structure.

EXECUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM

भारतीय गैर न्यायिक

भारत

पचास रुपये

रु.50

FIFTY RUPEES

Rs.50

INDIA

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आंध्रप्रदेश आन्ध्र प्रदेश ANDHRA PRADESH

AX 425647

K. JHANSI RAN
Licenced Stamp Vendor
RL.No· 04-28-001/2023 to 20
RAJAMAHENDRAVARAM - 533
M.V Peta, Cell

S.No. 127 Date 23-03-2024

Sold To S. Siva Ramakrishna S/o S. Pydi Raju

For Whom Self

Rajamahendravaram

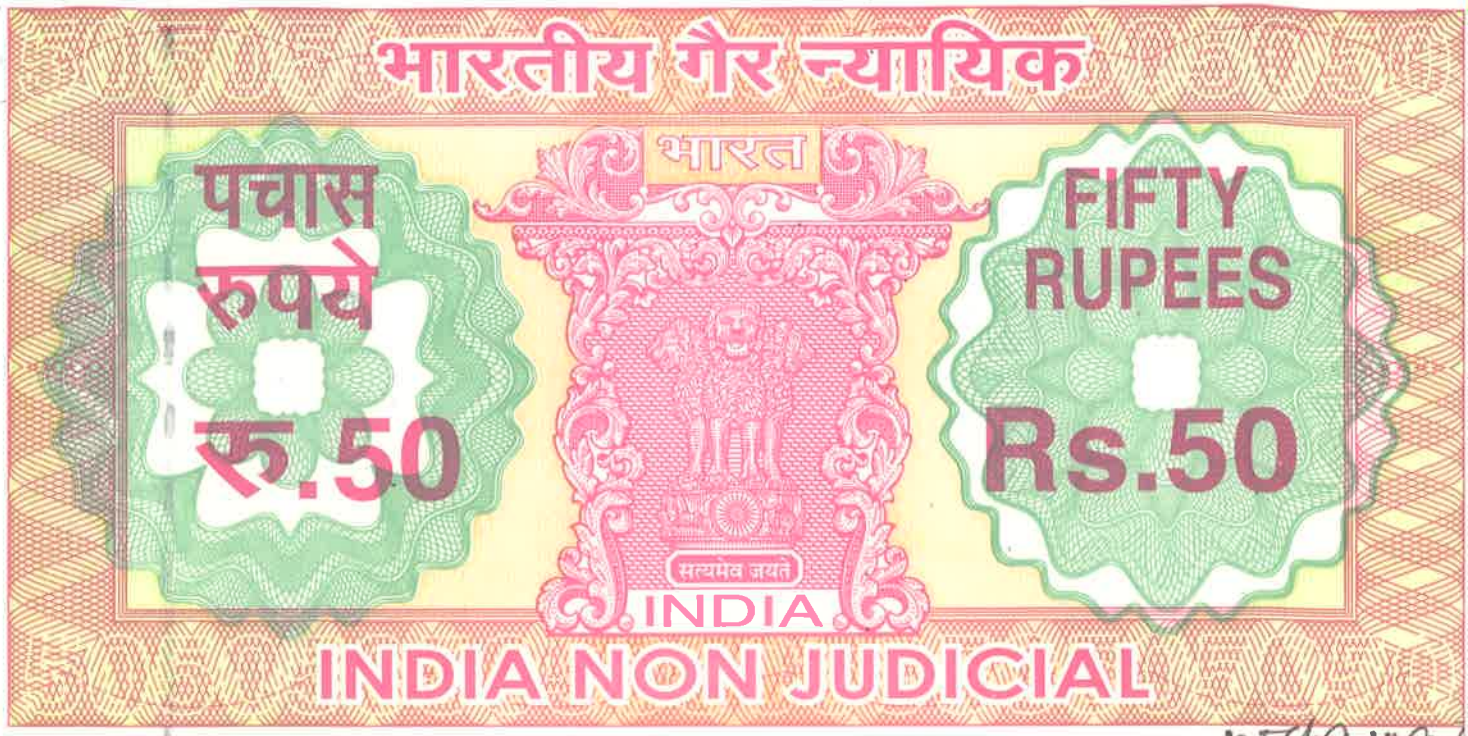
UNDERTAKING

Name of the work:- Proposal to lay overhead Electric Power Transmission line, Viz., **"400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation". Transmission Line Crossing NH-216 at Choppella Village of Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh.**

Undersigned, S. Siva Ramakrishna, Executive Engineer, on behalf of **Transmission Corporation Of Andhra Pradesh Limited**, undertake that

1. Not to damage other utility; if damaged then to pay losses either to NHAI or to the concerned agency.

EXECUTIVE ENGINEER
400kV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM



ఆంధ్రప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH

K. Jhansi Rani

AX 425648

No. 12719 Date 23-03-2024

Sold To S. Siva Ramakrishna S/O S. Pydi Raju

For Whom Self Rajamahendravaram

K. JHANSI RANI
Licenced Stamp Vendor
RL.No: 04-28-001/2023 to 2
RAJAMAHENDRAVARAM - 533
M.V Peta, Cell: 9[illegible]

2. The work will be carried out, conforming to all standard conditions of NHAI's guidelines.
3. Shifting of overhead power transmission line as and when required by NHAI at the cost of the Transmission Corporation Of Andhra Pradesh Limited.
4. For six-laning / widening, we do undertake that we will relocate the overhead power transmission line at our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six-laning or any other development.
5. Indemnity against all damages and claim.
6. Traffic movement during laying of overhead power transmission line to be managed by Transmission Corporation Of Andhra Pradesh Limited.
7. If any claim is raised by the Concessionaire then the same has to be paid by Transmission Corporation Of Andhra Pradesh Limited.
8. Prior approval of the NHAI shall be obtained before undertaking any work of installation, Shifting, repair or alterations to the shown overhead electric power transmission line in the National Highway right-of-ways.

EXECUTIVE ENGINEER
400kV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM

भारतीय गैर न्यायिक

पचास रुपये रु.50

भारत

FIFTY RUPEES Rs.50

सत्यमेव जयते

INDIA

INDIA NON JUDICIAL

आंध्र प्रदेश ANDHRA PRADESH

AX 425649

No. 1280 Date 23.03.2024

Sold To S. Siva Ramakrishna S/o S. Pydiraju, Rajamahendravaram

For Whom Self

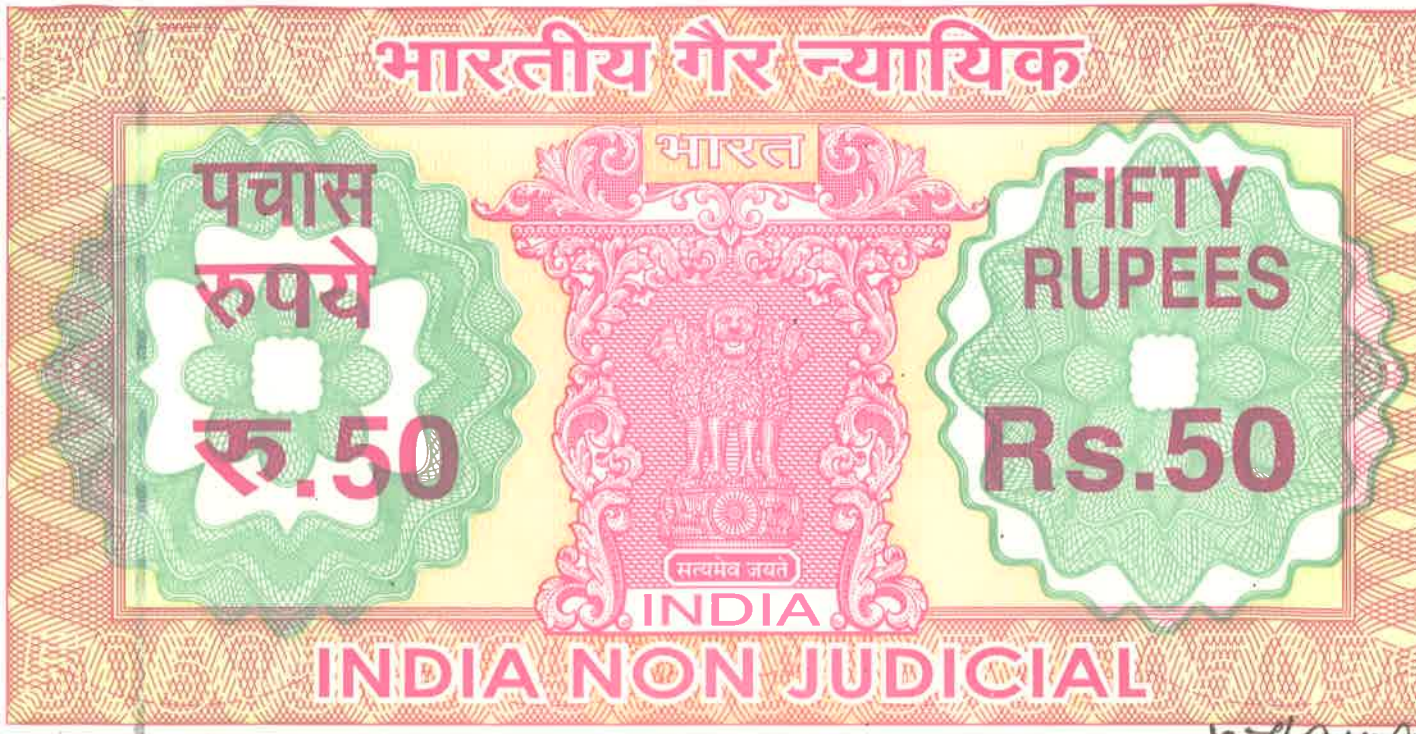
K. JHANSI RAN
Licenced Stamp Vendor
RL.No. 04-28-001/2023 to 20
RAJAMAHENDRAVARAM - 533
M.V Peta, Cell: 98[illegible]

LICENSE DEED FOR LAYING OVERHEAD ELECTRIC POWER TRANSMISSION LINE ACROSS NATIONAL HIGHWAY LAND

Agreement to lay overhead Electric Power Transmission line across National **Highway No.216A** at **Choppella Village(931.766km), Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh .**

1. An agreement made on this day of 03th April, 2024 between the President of India/ National Highway Authority of India (herein after called the Government which expression shall unless excluded by or repugnant to the context include his successor in office and assigns) of the one part and Transmission Corporation Of Andhra Pradesh Limited, Executive Engineer, 400KV Construction Division, APTRANSCO, D.No.78-4-17, Syamala Nagar, RAJAMAHENDRAVARAM, Andhra Pradesh-533103 (herein after called in 'Licensee' which expression shall, unless excluded by or repugnant to the context, include his heirs its successors / their successors and assigns) of the other part.

EXECUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM



S.No. 1 ఆంధ్ర ప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH Date 23-03-2024

Sold To... S. Siva Ramakrishna s/o S. Pydiraju

For Whom... Self Rajamahendravaram

AX 425650

K. JHANSI RAI
Licenced Stamp Vendor
RL.No. 04-28-001/2023 to 2
RAJAMAHENDRAVARAM - 533
M.V Peta, Cell: 9848664

2. WHEREAS the Licensee has / Licensees have applied to the Government / NHAI for permissions to lay overhead electric power transmission line Viz., "400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation". Transmission Line Crossing NH216A Rajahmundry to Ravulapalem at Choppella Village, Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh.

3. And whereas the Government / NHAI has agreed to grant such permissions on the terms and conditions hereinafter mentioned.

4. Now, this agreement witnesses that in consideration of the conditions hereinafter contained and on the part of the Licensee / Licensees to be observed and performed the Government / NHAI hereby grants to the Licensee / Licensees permission to lay overhead Electric Power Transmission line as per the approved drawing attached here to subject to the following conditions, namely.,

(i) That the Licensee / Licensees shall within three months from the date hereof, but without interfering with the road traffic complete the laying of Overhead Power Transmission line to the satisfaction of the Divisional Engineer / Project Director incharge of the National Highways in accordance with the drawings and specifications approved by the Project Director.

EXECUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM

400kV

E:\400kV\Corrs\SE-Others.doc

Transmission Corporation of Andhra Pradesh Limited

(An ISO 9001:2008 certified company)

From
The Superintending Engineer
400kV OMC Circle
Block-B, Ground Floor
Vidyuth Bhavan
220kV Gajuwaka SS premises
Autonagar, Visakhapatnam-26.

To
M/s.National Highways Authority of India
Project Implementation Unit
Adjacent to Toyota Showroom
NH-216A, Diwancheruvu
Rajamahendravaram
Andhra Pradesh-533102.

Lr.No.SE/400kV/OMC/VSP/Tech/DEE/F.464/D.No. 1895 , Dt.19.03.24

Sir,

Sub: APTRANSCO – 400kV OMC Circle, Visakhapatnam – **"Supply, Erection, Testing and Commissioning of 400kV Twin Moose DC line from existing 400/220kV Sub-Station, Vemagiri to 400/220kV Sub-Station Kamavarapukota (Zone-5) on turnkey basis"** – Overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District for stringing works between Loc Nos.24/0 and 25/0 – Authorization issued to Sri S.Siva Ramakrishana, Executive Engineer/400kV Construction/ APTRANSCO/ Rajamahendravaram — Reg.

Ref: 1) PO.No.171/OC/22CE/400KV/SE-PM/D3-A1/F.VMG-OTA/D.No.543/15, Dt.03.11.15
2) F.No.RW/NH-33044/29/2015/S&R(R), Dt.22.11.16 (Policy guidelines)
3) Lr.No.EE/400KV/CONST./DIV/RJY/F.No.VMG-KKOTA/D.No.424/24, Dt.18.03.24

- 0 -

The work of **"Supply, Erection, Testing and Commissioning of 400kV Twin Moose DC line from existing 400/220kV Sub-Station, Vemagiri to 400/220kV Sub-Station Kamavarapukota (Zone-5) on turnkey basis"** was awarded to M/s EMC Ltd., Kolkata vide reference 1st cited above and the line has to cross overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal between Loc Nos.24/0 and 25/0.

In this regard, it is to inform that, vide reference 2nd cited, the Director General (Road Development) & SS has issued certain Policy guidelines, in which, a draft was enclosed for "AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS".

In this regard, authorization is hereby issued to Sri S.Siva Ramakrishana, Executive Engineer/400kV Construction/ APTRANSCO/ Rajamahendravaram to sign and submit application and other correspondences on behalf of Transmission Corporation of Andhra Pradesh Limited to National Highway Authority of India for obtaining clearances/ crossing permissions in connection with the subject work.

Yours sincerely

Encl: Authorization of Power of Attorney
Ref (2) through mail

19/3/24
Superintending Engineer
400kV OMC Circle::Visakhapatnam

Copy submitted to: The Chief Engineer/ Projects/ VS/ Vijayawada.
Copy to: The Executive Engineer/ 400kV/Construction/ Rajamahendravaram.

Reply awaited.

INWARD
No: 65205
Date: 21/03/2024
Time: 10:30
M(T) PS
SE ACCT.
AO LAO
NHAI, PIU,
RAJAMAHENDRAVARAM.

DC.

आंध्रप्रदेश आन्ध्र प्रदेश ANDHRA PRADESH

Y.Ch.Venkata Lakshmi
AS 042180
Y.CH.VENKATA LAKSHMI
Licensed Stamp Vendor
L.No.04-28-05-2023
RAJAMAHENDRAVARAM-533101
26 Ward, Cell: 8341403113

Sl.No. 914 Date. 18/03/2024
d To..... S. Siva Ramakrishna s/o S. Pydi Raju
For Whom Self ..... Rajamahendravaram

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Date: .03.2024

POWER OF ATTORNEY

Sub:- Permission for laying of Transmission Line **"400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation" 100Km (approx.)** - Crossing NH-16 at Choppella Village , Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh. Power of attorney Signatory.

***

This is to certify that Sri. S.Siva Ramakrishna, Executive Engineer, APTRANSCO, 400KV Construction Division, Rajamahendravaram is authorised to sign and submit applications and other correspondences on behalf of **Transmission corporation of Andhra Pradesh limited to National High ways authority of India** for obtaining clearances / Crossing permission in connection with the laying of

Y.Ch.Venkataiah
AS 042179
Y.CH.VENKATA
Licensed
L.No.04-08-05-2023
RAJAMUNDRY
28 Ward, Cell: 03414001

ఆంధ్రప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH

Sl.No. 913. Date. 18/03/2024
Sold To. S. Siva Ramakrishna s/o S. Pydi Raju
For Whom Self Rajamahendravaram

overhead electric power transmission line viz., "400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation -100Kms (approx.). Transmission Line across National Highway No-16 at Choppella village, Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh.

Specimen Signature

S SIVA RAMAKRISHNA,
Erp ID No.1023382,
Executive Engineer,
400KV Construction Division,
APTRANSCO : Rajamahendravaram.

For TRANSMISSION CORPORATION OF AP Ltd.

19/3/24

Superintending Engineer,
400KV OMC Circle / Visakhapatnam.

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)
परियोजना कार्यान्वयन इकाई - टोयोटा शोरूम के बाजू, राजमार्ग २१६ ए,
दिवानचेरुवु, राजमहेंद्रवरम - ५३३ १०२. आं.प्र.
PROJECT IMPLEMENTATION UNIT - Adjacent to Toyota Showroom,
NH-216A, Diwancheruvu, Rajamahendravaram - 533102, A.P.
द र ा / Phone : 0883 - 2431170 ई इल / e-mail: raj@nhai.org / piurajahmundry@gmail.com

No: 11015/5/NHAI/PIU-RJY/TOT/IE/PP/2024/30976 Date: 02.05.2024

To

The Team Leader
M/s. MSV International INC
in Association with M/s. Sri Infotech
RAJAMAHENDRAVARAM

Sub: **NHAI, PIU, Rajamahendravaram** – Permission for overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District and for stringing works between Loc Nos 24/0 and 25/0 as part of Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/220kv Sub-station Kamavarapukota (Zone-5) on turnkey basis –**Comments / Recommendations** – Reg.

Ref: Executive Engineer, 400 KV Const Division, Rajamahendravaram letter no. EE/400/RJV/F.Vem-K.kota/D.No. 35/2024, dated 02.05.2024

Sir,

Please find enclosed herewith a copy of the proposal received from Executive Engineer, 400 KV Const Division, Rajamahendravaram seeking permission for overhead crossing of NH-16 Rajamahendravaram to Ravulapalem at Choppella Village of Alamuru Mandal, Dr. B.R. Ambedkar Konaseema District and for stringing works between Loc Nos 24/0 and 25/0 as part of Supply, Erection, Testing and Commissioning of 400kv Twin Moose DC line from existing 400/200 KV sub-station Vemagiri to 400/220kv Sub-station Kamavarapukota (Zone-5) on turnkey basis

In this regard, it is requested to inspect the site and examine the proposal w.r.t the approved drawing and submit a report along with specific recommendations on the proposal as per MORT&H circular dated 22.11.2016 for taking further action

Yours faithfully,

Encl: Copy of Proposal.

02/05/2024

(**D. Surendra Nath**)
Project Director

Copy to M/s. Diwantham Tollways Pvt Ltd – with a request to convey your consent for issue of NOC.

(ii) That the Licensee / Licensees shall be responsible for restoring the road at his / their own cost to its original condition after laying the overhead power transmission line or, after any damage caused due to inadequate maintenance / operation of the overhead transmission line.

(iii) That in case of any breakdown of transmission line the licensee / licensees shall bear the entire cost of restoration of damage caused to the road.

(iv) That the Licensee / Licensees shall not without the prior permission in writing of the Project Director undertake any work of shifting, repairs or alteration to the said overhead transmission line.

(v) That the licensee / Licensees shall at all time permit any duty authorized officer or servant of the Government / NHAI to inspect the said overhead transmission line.

(vi) That the Licensee / Licensees shall be liable for any loss or damages caused to the Government / NHAI by drainage obstruction or any other cause due to the said overhead transmission line.

(vii) That the Licensee / Licensees within two months of a notice duly given to him to this behalf by the NHAI / Government shall at his / their own cost remove the overhead transmission line and restore the road land to its original condition when required to do so by the Government / NHAI or by any person authorized on its behalf. The Licensee / Licensees shall not be entitled to any compensation on account of such removal or restoration.

(viii) That if the Licensee fails / Licensees fail to execute any work which he has/they have agreed to execute under this agreement to the entire satisfaction of the Project Director NHAI, the work shall be executed by the Project Director NHAI / Government at the cost of the Licensee / Licensees and the amount shall be recoverable from the Licensee / Licensees as arrears of land revenue without prejudice to any other remedies which may be open to the Government / NHAI in this behalf.

(ix) That the Licensee / Licensees shall not sell, transfer or otherwise dispose of the premises without obtaining the previous consent of the Government / NHAI in writing.

(x) That this agreement will remain in force for a period of five years from the date of execution in the first instance and be terminated by a notice of Two months and the permission may not be renewed after the expiry of the said period.

(xi) That the permission granted by this License shall not in any way to be deemed to convey to the Licensee / Licensees 'any right to or over any interest in Government land other than what is herein expressly granted.

(xii) That during the subsistence of this Licensee, that overhead transmission line located on the road shall be deemed to have been constructed and contained only by the consent and permission of Government so that the right of the Licensee / Licensees to the use thereof shall not become absolute and defeasible by lapse of time.

(xiii) That the Licensee / Licensees shall bear the stamp duty charges on this agreement.

EXECUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM

(xiv)Govt. of India / NHAI will not be responsible for any damage of any kind whatsoever means natural or otherwise to the overhead transmission line.

5 The overhead transmission line shall not be brought into use by the Licensee / Licensees unless a completion certificate to the effect that the overhead transmission line have been laid in accordance with the approved specification and drawings has been obtained from the Project Director, NHAI.

6. The Licensee shall abide by the conditions enclosed herewith as annexure – 1.

7. Notwithstanding anything contained in Clause – 4 (vii) the License may be cancelled at any time by the government / NHAI for a breach of any condition of the license and the license / licensees shall not be entitled to any loss caused to it by such cancellation, nor shall it be absolved from any liability already incurred under this agreement.

8. The permitted Highway on which Licensee has been granted the right to lay overhead electric power transmission line has also been granted as a right of way to the concessionaire under the concession agreement for upgradation of (National Highway No.16A Rajahmundry to Ravulapalem at Choppella Village, Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh -- on Build, Operate and Transfer Basis) and therefore, the Licensee shall honour the same.

EXEXCUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM

This agreement has been executed in duplicate and each party to this agreement has retained one stamped copy each.

Signed by Shri S.SivaRamaKrishna

For TRANSMISSION CORPORATION OF AP LTD

EXECUTIVE ENGINEER
400kV CONSTRUCTION DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM

Signed by Shri _____

Project Director
National Highways Authority of India
For and on behalf of President of India

In the presence of

1. P. V. Mallikarjuna Rao

Name in full (Signature) with designation

Deputy Executive Engineer
400KV Construction APTRANSCO
Rajamahendravaram

1. _____

Name in full (Signature) with Designation

2. K. Anilkumar

Name in full (Signature) with designation

K. Anil Kumar
ASSISTANT EXECUTIVE ENGINEER
400KV CONSTRUCTION SUB-DIVISION
AP TRANSCO, RAJAMAHENDRAVARAM

2. _____

Name in full (Signature) with Designation

Annexure-I

CONDITIONS TO BE ENCLOSED/INCORPORATED IN THE APPROVAL LETTER FOR PERMISSION FOR LAYING OF OVERHEAD ELECTRIC POWER TRANSMISSION LINE:

1.The Overhead electric power transmission line shall be located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre – lines of the nearest carriage way.

2. The overhead electric power transmission line shall not be permitted to run along the National Highway when the road formation is suitable in double cutting nor shall these be laid over the existing culverts and bridges without the prior approval of NHAI /Government of India.

3. The overhead electric Power Transmission line shall be placed that at no time there is interference with the maintenance of the National Highways.

4. These should be so laid that their top is at least 1.5 meter below the ground level so as not to obstruct drainage of the road land.

5. The authority/owner of the overhead electric power transmission utility shall ensure that laying overhead electric power transmission line should not have any deleterious effects on any of the bridge components and roadway safety for traffic.

6. The lines shall cross the National Highways preferably on a line normal to it or as nearly as practicable.

7. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meters.

8. The Overhead Power Transmission line is permitted to cross the National Highway either encased in pipes or through structure of conduits specially built for that purpose at the expense of the agency owning the line. Existing drainages structure shall not be allowed to carry the line across.

9. The casing pipe(or conduit pipe in the case of electric cable) carrying the overhead electric power transmission line shall be of steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready with drawl of the Carrier pipe/cable. Ends of the casting/conduit pipe shall be sealed from the outside , so that it does not act as a drainage path.

10. The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.

11.The top of the casing/conduit pipe should be at least 1.2 meter below the structure of the road subject to being at least0.3 m below the drain inverts.

12. The casing/conduit pipe shall be installed under the road embankment either by boring or digging a trench. Installation by boring method shall only be permitted where the existing road pavement is of cement concrete or dense bituminous concrete type.

13. The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.

EXEXCUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
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15. If needed, a diversion shall be constructed at the expanse of agency owning the overhead electric power transmission line.

16. Prior approval of NHAL shall be obtained before undertaking any work of installation shifting or repairs or alterations to the overhead electric power transmission line located in the National Highway right-of-ways.

17. Expenditure, if any incurred by the Highway Authority for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the overhead electric power transmission line will be borne by the agency owning the overhead electric power transmission line.

18. If the NHAI considers it necessary in future to move the overhead electric power transmission line if any work of improvement of repairs to the road, it will be carried out as desired by the Highway Authority at the cost of agency owning the overhead electric power transmission line within a reasonable time (not exceeding 60 days) of the intimation given.

19. The licensee shall ensure making good the excavated trench for laying overhead electric power transmission line by proper filling and compaction, so as to restore the land in to the same conditions as it was 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.

20. The licensee shall furnish a bank Guarantee to the NHAI@100/- per running meter (parallel to NH) and Rs.1,00,000/- per crossing of NH for a period of one year initially(extendable if required till satisfactory completion of work) as a security for ensuring/making goof the excavated trench for laying the overhead electric power transmission line / ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payments shall be payable by the NHAI to the licensee for clearing debris/loose earth.

21.In case of work contemplated herewith is not completed to the satisfaction of the NHAI, which has granted the permission, with in a period of 11months 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 the year. In case of the licensee failing to discharge the obligation of making good the excavation, at the cost of the licensee and recover the amount by invoking the bank guarantee furnished by the licensee.

22. The licensee shall shift the overhead electric power transmission line within 60 days(or as specified by the respective agency/owner) from the date of issue of the notice by the NHAI/Govt. of India to shift / relocate the overhead electric power transmission line, in case it is so required for the purpose of improvement / widening of the road/route/highway or construction of flyover/bridges and restore the road/land to its original conditions at his own cost and risk.

23. Regarding the location of other cables, underground installation/Utilities etc., the licensee shall be responsible to ascertain from the respective agency in coordination with NHAI. The licensee shall ensure the safety and security of already existing cables/Underground installation/Utilities facilities etc. before commencement of the excavation.

24. The Licensee shall be solely responsible/liable for fully compensation indemnification of concerned agency/aggrieved owner for any direct, indirect or consequential damage caused to them / clams or replacement sought fro at the cost and risk of the Licensee. The concerned agency in coordination with NHAI shall also have a right to make good such damage/recover the claims by way of invoking of bank guarantee furnished by the licensee.

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25.If the Licensee fails to comply with the condition 22 and 23 above to the satisfaction of the NHAI, the same shall be got executed by the NHAI at the risk and cost of the licensee.

31. The Licensee shall indemnify the concerned agency in coordination with NHAI, against all damages and claims, if any, due to construction of overhead electric power transmission line.

32.The NHAI has a right to terminate the permission or to extend the period of agreement. In case the license wants shifting, repairs or alteration to overhead electric power transmission line, he will have to furnish a separate Bank Guarantee.

33.The Licensee shall not without prior permission in writing from the NHAI/Govt. of India or its authorized agency undertake any work or shifting , repairs or alternations to the said overhead electric power transmission line.

34.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/properly, other than what is herein expressly granted.

35.During the subsistence of this agreement, the laying of overhead electric power transmission line located in Highway land/Property shall be deemed to have been constructed and continued only by the consent and permission of the NHAI so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.

36.The Licensee shall bear the stamp duty charged for the agreement

37.The overhead electric power transmission line shall not be brought in to use by the Licensee unless a completion certificate to the effect that the laying of overhead electric power transmission lien shall been land in accordance with the approved specification and drawings and the trenches have been filled up to the satisfaction of the concerned agency in coordination with the owner has been obtained.

38.Notwithstanding anything NHAI contained herein this agreement may be cancelled at any time by the or 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.

39. The licensee shall have to provide barricading, Danger Lighting and other necessary caution boards while executing the work an during maintenance.

40. 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/expire of the agreement ,the license shall remove the overheads electric power transmission line with in 60days and the site shall be brought back to the original condition failing which the licensees will lose the right to remove the overhead electric power transmission line. However, before taking up the work of removal of overhead electric power transmission line. However, before taking up the work of removal of overhead electric power transmission line the licensee shall furnish a Bank Guarantee to the owner for a period of one year for an amount assessed by the owner for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50 meter away from the edge of the right of way.

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42. If NHAI is required to do some emergent work, the licensee will provide an observer within 24 hours NHAI will not be responsible for any damage of any kind by whatsoever means natural or otherwise.

43.The enforceability of the Right-of-way permission granted here in shall be restricted to the extent of provision/scope of service contained / defined in the license agreement and for the purpose for which it is granted. Either by content or by intent, the purpose extending this Right-of-way facility is not to enhance the scope.

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TRANSMISSION CORPORATION OF ANDHRAPRADESH LIMITED

Construction of **"400KV Twin Moose DC line from existing 400/220KV Vemagiri Substation to 400/220KV Kamavarapukota Substation"** for a length of 100Km (approx.) on turnkey Basis.

Crossing National **Highway** ***No216A Rajahmundry to Ravulapalem at Choppella Village(931.766km), Alamuru*** **Mandal of Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh.**

METHODOLOGY FOR LAYING OF OVERHEAD POWER LINE

The methodology for laying of overhead power line can be broadly classified as 3 types.

I. Foundation II. Erection III. Stringing.

I. FOUNDATION (SUBSTRUCTURE)

1. The route for laying of power line is selected using Bee line method connecting both substations for selecting best route technically and economically.
2. Upon selection of route, tower spotting is done considering nominal span of 400 metre, utilising tower spotting data, angle of deviation, statutory / critical crossings and terrain conditions.
3. Upon spotting of tower on the site, a test pit is excavated and the foundation classification is decided based on the soil strata encountered .
4. Appropriate foundation design is selected and 4 nos of pits for four legs of the tower as per the design for tower / foundation type are excavated.
5. A Cement concrete bed of 50mm is cast initially on the bed of the pit.
6. Stubs (base leg of tower) are erected in the pits using template/ Prop, aligned to the route and reinforcement steel as per foundation design is erected in the pit
7. Reinforcement Cement concrete of mix M20 (1: 1½: 3) is used for casting the foundation of each leg of tower using form work to achieve required size and shape .
8. After casting all the four legs, the form work is removed and the pits are backfilled with excavated earth. The concrete work is cured for a period of 15 days.
9. In case of undulations in the terrain at the tower location or where extra protection is to be given due to site conditions, same is done using revetment and/or benching etc.

Now, the location (4 legs) foundation activity completed.

II. ERECTION (SUPERSTRUCTURE)

1. The superstructure or tower forms the supports for overhead power conductor charged to appropriate voltage level for transmission of electrical power.
2. The height of tower is so designed to withstand mechanical load and provide adequate electrical & statutory clearances for the safe transmission of power, safety to men and material in the vicinity.
3. The tower is erected using MS / HT steel angles of different sections which are fastened using Bolt and nuts to form a lattice structure of required height.

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Now, the tower is ready for stringing activity.

III. STRINGING

Stringing is a process involving hoisting and fixing of power conductor along with hardware fittings and making the overhead power line ready for transfer of power. This process involves the following activities.

1. Once the tower is completely erected and ready for stringing, Insulator strings are hoisted on to the tower. The strings are firmly fixed to the cross arm of the tower using appropriate hardware.
2. Arial Rollers are hoisted on to the tower and fixed to the bottom of the insulator string to received Pilot wire.
3. A tensioner fitted with a conductor drum at one end and a puller at the other end of the section are used for drawing of the power conductor for the stringing section.
4. Now a Pilot wire is run through the rollers from one end of the section to the other end where stringing activity is planned. Both the ends of pilot wire are connected to Puller and Tensioner equipment to commence the stringing activity.
5. Pilot wire at the Tensioner end is connected to the conductor and when the pilot wire is pulled out by the Puller, the Pilot wire is drawn out and conductor passes through the rollers on the tower to get into the final position.
6. Once the Pilot wire is pulled out completely, conductor gets into position on the rollers in all the towers. The sag / tensile load on the conductor is adjusted to near final value and is called "Rough Sag".
7. Using Sag template and Dynamometer the sag / tension load of the conductor is adjusted to the specified value as per sag chart. This is called "Final Sag" and forms the final shape of the line maintaining the clearances as per the design.
8. Now, the Arial rollers are removed and the conductors are clipped to the Hardware of the insulator string.
9. Other accessories like spacers , dampers, Jumpers, copper bonds etc are fixed to the line.
10. The Tower is properly earthed using appropriate type of earthing for protection.

Now the construction activity of the line is completed and ready to charge for transfer of power after obtaining required statutory clearances.

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CHECK - LIST

Guidelines for project Directors for processing the proposal of laying Overhead Electrical Power Transmission Line in the land across National Highways vested with NHAI.

Relevant circulars

1) Ministry Circular No.NH-III/P/66/76 dated 19.11.1976
2) Ministry Circular No. NH-III/P/20/77 dt. 08.04.1982
3) Ministry Circular No.RW/NH/-III/P/66/76 Date 11.5.1982
4) Minstry Circular No.RW/NH-11037/1/86/DOI/dated 19.01.1995

Check list for getting approval for laying of Overhead Electric Power Transmission Line on NH land

Sl. no	Item	Information/status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	The Executive Engineer, 400KV Construction Division APTRANSCO, D.No,78-4-17, Syamala Nagar, Rajamahendravaram. Andhra Pradesh-533103.	
1.2	National Highway Number	NH 216A	
1.3	State	ANDHRA PRADESH	
1.4	Location	Crossing National Highway No.216A Rajahmundry to Ravulapalem at Choppella village, Alamuru Mandal, Dr.B.R.Ambedkar Konaseema District, Andhra Pradesh.	
1.5	(Chainage in km)	Across at KM 931.766	
1.6	Length in Meter	NA, as the proposal is for crossing of NH	
1.7	Width of available ROW	- N.A -	
	(a) Left side from center line towards increasing chainage/km direction	---	
	(b) Right side from center line towards increasing chainage/km direction	---	
1.8	Proposal to lay overhead Electric Power Transmission line	- N.A -	
	(a)Left side from center line towards increasing chainage/km direction	---	
	(b)Right side from center line towards increasing chainage/km direction	---	
1.9	Proposal to acquire land	- N.A -	
	(a)Left side from center line	---	
	(b)Right side from center line	---	
1.10	Whether proposal is in the same side where land is not to be acquired If not then where to lay the cable	NA, as the proposal is for crossing of NH only.	
1.11	Details of already laid services, if any, along the proposal route .	- Nil -	
1.12	Number of lanes (2/4/6/8 lanes) existing	4 Lane	

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RAJAMAHENDRAVARAM

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NHAI PIU
RAJAMAHENDRAVARAM.

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Check list for getting approval for laying of Overhead Electric Power Transmission Line on NH land

Sl. no	Item	Information/status	Remarks
1.13	Proposed Number of lane (2 lane with paved shoulders/4/6/8 lanes)	4 Lane	
1.14	Service road existing or not	No	
	If yes then which side		
	(a)Left side from center line		
	(b)Right side from center line		
1.15	Proposed service road	- N.A -	
	(a)Left side from center line	---	
	(b)Right side from center line	---	
1.16	Whether proposal to lay Overhead Power Transmission line is after the service road in between the service road between the service road and main carriage away	Over head Tower line is crossing NH	
1.17	The permission for laying Overhead Power Transmission line shall be considerd for approval/rejection based in the ministry circulars mentioned as above	Requet to consider the approval.	
1.18	If crossings 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	Yes. Overhead Electrical line by arranging towers.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	- N.A -	
	(b) Is it on the line normal to NH	Yes	
	(c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 metre. What is the distance from the existing structures.	From 24/0 - 140Mtrs. From 25/0 - 107 Mtrs.	
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron or reinforced cement concrete and have adequate strength and be large enough to permit ready with drawal of the carrier pipe /cable.	- N.A -	
	(e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	- N.A -	
	(f) The casing/conduit pipe should as minimum extended from drain to drain in cuts and toe of slope toe of slopes in the fills.	- N.A -	
	(g) The top of the casing /conduit pipe should be atleast 1.2 meter below the surface of the road subject to being atleast 0.3metr below the drain inverts.	- N.A -	
	(h) Crossing shall be by boring method HDD, specially where the existing road pavement is of cement concrete or dense bituminpus concrete type .	NA as crossing is overhead. Methodology is enclosed.	

Manager (Tech)
NHAI-PIU
RAJAMAHENDRAVARAM

PROJECT DIRECTOR
NHAI PIU
RAJAMAHENDRAVARAM.

EXEXCUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
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Check list for getting approval for laying of Overhead Electric Power Transmission Line on NH land

Sl. no	Item	Information/status	Remarks
	(i) The casting / conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	- N.A -	
2	Documents / Drawings enclosed with the proposal		
2.1	Cross section showing the size of trench for open 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 closed to the extreme edge of the right of way as possible but not less than 15m from the centre lines of the nearest carrage way. (iii) Shall not be permitted to run along the national highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges. (iv) These should be so laid that their top is atleast 0.6meter below the ground level so as not to obstruct drainage of the road land.	- N. A - as the crossing is overhead and across NH.	
2.2	Cross section showing the size of pit and location of cable for HDD method	- N.A - as crossing is overhead.	
2.3	Strip plan / route plan showing Overhead Power Transmission Line Chainage, width of ROW ,distance of proposed cable from the edge of ROW , important mile stone, intersections, cross drainage works etc.	Yes, Enclosed.	
2.4	Methodology for laying of Overhead Power Transmission Line.	Yes, Enclosed.	
2.4.1	Open Trenching Method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type), If yes, Methodology of refilling of trench .	- N.A -	
	(a) The trench width should be atleast 30cm, but not more than 60cm wider than the outer diameter of the pipe.	- N.A -	
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30cm. 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 edged should be excavated and replaced by selected material.	- N.A -	
	(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 th bottom of the road crust.	- N.A -	
	(d) The sidefill shall consist of granular material 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 been removed. Consolidation by saturation or ponding will not be permitted. (e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	- N.A -	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	- N.A -	
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	- N.A -	
2.4.2	Horizontal Direction Drilling (HDD) method	- N.A -	
2.4.3	Laying of Overhead electrical line through CD works and method of laying	- N.A -	

Manager (Tech)
NHAI-PIU
RAJAMAHENDRAVARAM

PROJECT DIRECTOR
NHAI PIU
RAJAMAHENDRAVARAM.

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Check list for getting approval for laying of Overhead Electric Power Transmission Line on NH land

Sl. nc.	Item	Information/status	Remarks
3	Draft License Agreement signed by two witnesses	Yes	
4	Perfomance Bank Guarantee in favour of NHAI has to be obtained @ Rs. 50/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring / making good the excavated trench for laying the cables / ducts by proper filling and compaction, clearing debris / loose earth produced due to execution of trenching atleast 50m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris / loose earth.	'- N. A - due to over head line crossing	
5	**Affidavit /Undertaking from the applicant for**		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes, Enclosed.	
5.2	Conforming all standard condition of NHAI guidelines	Yes, Enclosed.	
5.3	Shifting of Overhead Power Transmission as and when required by NHAI at their own cost.	Yes, Enclosed.	
5.4	Shifting due to 6 laning /widening of NH	Yes, Enclosed.	
5.5	Idenmnity against all damages and claims clause (XXIV)	Yes, Enclosed.	
5.6	Traffic movement during laying of Overhead Power Transmission line to be managed by the applicant	Yes, Enclosed.	
5.7	If any claim is raised by the concessionire then the same has to be paid by the applicant	Yes, Enclosed.	
5.8	Prior approval of the NHAI shall be obtained before undertaking any work of installation shifting or repairs, alteration to the over head power Transmission line located in the National Highway Right-of - ways.	Yes, Enclosed.	
5.9	Expenditure ,if any, incurred by NHAI for repairing any damage caused to the national highway by the laying, maintenance or shifting of the over head power Transmission line will be borne by the agency owing the line.	Yes, Enclosed.	
5.10	If the 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 the NHAI at the cost of the agency owing the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, Enclosed.	
5.11	Certificate from the applicant in the following format		
	(i) Laying of Overhead Power Transmission Line will not have any deleterious effects on any of the bridge components and road way safety for traffic. (ii) For 6 lanning "We do undertake that I will relocate service road / approach road / utilities at my own cost notwithstanding the permission granted within such time as well be stipulated by NHAI for future four / six laning of any other development."	Yes, Enclosed.	
6	Who will sign the agreement on behalf of Overhead Power Transmission Line agency.	Executive Engineer, . APTRANSCO	

Manager (Tech)
NHAI-PIU
RAJAMAHENDRAVARAM

PROJECT DIRECTOR
NHAI PIU
RAJAMAHENDRAVARAM.

EXECUTIVE ENGINEER
400KV CONSTRUCTION DIVISION
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Check list for getting approval for laying of Overhead Electric Power Transmission Line on NH land

Sl. no	Item	Information/status	Remarks
7	Certificate from the Project Director.		
7.1	Certificate for conforming of all standard condition issued vide Ministry circular no. NH-III/P/66/76, Dt 19.11.1976, Ministry Circular No. NH-III/P/20/77 Dt 8-04-1982, Ministry circular no. RW/NH-III/p/66/76 Dt 11.5.1982 and Ministry circular no. RW/NH-11037/1 /86/DOI, dated 19-01-1995.	Yes, Enclosed.	
7.2	Certificate from the P D in the following Format		
	(i) "It is certified that any other location of the Overhead Power Transmission line would be extremely difficult and unreasonable costly and the installation of Overhead Power Transmission 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 carriage way, easing of curve etc."	Yes, Enclosed.	
	(ii) For 6 laning (a) Where feasibility is available " I do certify that there will be no hinderance to proposed six laning based on the feasibility report considering proposed structures at said location" (b) In case feasibility report is not available " I do certify that sufficient ROW is available at side for accommodating proposed six laning".	NA	
8	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 licensee has been granted the right to lay over head power transmission line has also been granted as a right of way to the concessionaire under the concession agreement for upgradation of (National Highway No-16 Gundugolanu to Kovvuru at fly over No.48, Dubacharla Village, Nallajarla Mandal, West Godavari District, Andhra Pradesh -- on Build, Operate and Transfer Basis) and therefore, the Licensee shall honour the same".	Yes, Inserted	
9	Who will supervise the work of laying Overhead Power Transmission Line.	APTRANSCO and Project Director, NHAI	
10	Who will ensure that the defects in road portion after laying of Overhead Power Transmission Line are corrected and if not correceted then what action will be taken.	APTRANSCO & NHAI	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	APTRANSCO	
12	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).	Yes, Enclosed.	
13	If any previous approval is accorded for laying of Overhead Power Transmission then photocopy of register of records of permissions accorded as maintained by PD may be enclosed.	Yes, Enclosed.	

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NHAI-PIU
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PROJECT DIRECTOR
NHAI PIU
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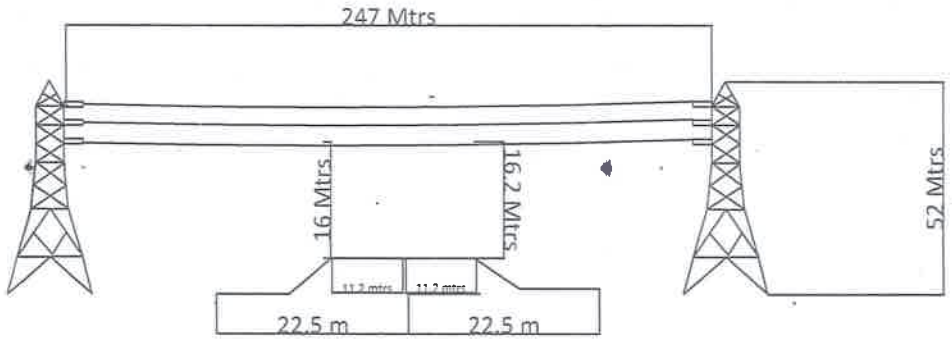
Proposal to lay overhead transmission line i.e 4ookV TMDC line from 400kv Vemagiri SS to 400/220kv Kamavarapukota SS,West godavari district across National Highway-16from Kolkata to Chennai at Choppella village,Alamuru mandal,Dr.B.R Ambedkar Konaseema District,Andhra pradesh.



TOWER No:AP-24/0
Type of tower:DD+3
Angle of tower:32°17"32

TOWER No:AP 25/0
Type of tower:DC+3
Angle of tower:27°39"41'

NOTE:
1)Drwaing not to scale.
2)All Dimensions are in Metres.

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NHAI-PIU
RAJAMAHENDRAVARAM

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Untitled Map

Write a description for your map.

Legend

AP24

Solo nursery

216A

Electrical Sub Station-choppella

AP25

Hindu temple

216A

N

100 m

Google Earth

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