भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport and Highways, Government of India)
श्रेत्रीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्,चलसानी नगर,
रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र 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 / Tel : 0866-2483910, ई-मैल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com
वेब/ web: www.nhai.gov.in

Ref: NHAI/RO-VJA /PIU-KDP/NH-67/220 KV/Crossing/138 **Dt:15.01.2026**

To

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

Sub: **NHAI, RO - Vijayawada** - - Four Laning of Mydukur to Badvel Section of NH-67 from Design Km.585.820 (Existing Km.585.930 to Design Km.630+960 (Existing Km.628.555) of NH-67 (Design Length = 45.14Km) on Hybrid Annuity Mode under Bharatmala Pariyojana in the state of Andhra Pradesh - **AP-Transco-Construction Division - Erection of 220 KV line by Single LILO of existing 220 KV Jammalamadugu - Porumamilla line to existing 220 KV SS Mydukur -Proposal for crossing of the existing NH-67 between Km.593+600 to Km.593+700 - Public comments - Reg.,**

*****

Sir,

Please find enclosed herewith a proposal submitted by the Executive Engineer, AP Transco, Kadapa has submitted a proposal for approval towards 220 KV line by Single LILO of existing 220 KV Jammalamadugu - Porumamilla line to existing 220 KV SS Mydukur between **Km.593+600 to 593+700** of NH-67 near Pullaiah Swamy Satram Village, S. Mydukur Mandal, YSR Kadapa District.

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

Yours faithfully,

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

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport and Highways, Government of India)
श्रेत्रीय कार्यालय : 41-29-45A, सर्वे नं: 373/2A, कोदंडरामालयम्,चलसानी नगर,
रानीगारीतोटा, कृष्णालंका, विजयावाडा - 520 013, आन्ध्र 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 / Tel : 0866-2483910, ई-मैल/e-mail: rovijayawada@nhai.org, nhairovja@gmail.com
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Ref: NHAI/RO-VJA /PIU-KDP/NH-67/220 KV/Crossing/139 Dt:15.01.2026

INVITATION OF PUBLIC COMMENTS

Sub: **NHAI, RO - Vijayawada** - Four Laning of Mydukur to Badvel Section of NH-67 from Design Km.585.820 (Existing Km.585.930 to Design Km.630+960 (Existing Km.628.555) of NH-67 (Design Length = 45.14Km) on Hybrid Annuity Mode under Bharatmala Pariyojana in the state of Andhra Pradesh - **AP-Transco-Construction Division - Erection of 220 KV line by Single LILO of existing 220 KV Jammalamadugu - Porumamilla line to existing 220 KV SS Mydukur -Proposal for crossing of the existing NH-67 between Km.593+600 to Km.593+700 - Public comments - Reg.**

*****

Please find enclosed herewith a proposal submitted by the Executive Engineer, AP Transco, Kadapa has submitted a proposal for approval towards 220 KV line by Single LILO of existing 220 KV Jammalamadugu - Porumamilla line to existing 220 KV SS Mydukur between Km.593+600 to 593+700 of NH-67 near Pullaiah Swamy Satram Village, S. Mydukur Mandal, YSR Kadapa District.

2. As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R(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 in the general public interest).

3. 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

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Government of India)
परियोजना कार्यान्वयन, इकाई, #1/441/16, लक्ष्मी टावर्स के पीछे,
नए आर.टी.सी बस स्टैंड के पास, **कड़पा** – 516 001, वाई.एस.आर जिला, आंध्र प्रदेश
Project Implementation Unit, **#1**/441/16, Behind Lakshmi Towers, Maruthi Nagar,
Near RTC Bus Stand, **KADAPA** – 516 001, YSR District, Andhra Pradesh.
ई-मैल/e-mail: piukadapa@nhai.org, kadapanhai@gmail.com; **वेब**/web: www.nhai.gov.in

NHAI/PIU-KDP/13007/1/2026/NH-67/Access Permission/20748 **Date 06.01.2026**

13/01
DSM-7

To

The Regional Officer,
National Highways Authority of India,
Door No.41-29-45A, R.S.No.373/2A,
Near Kodandaramalayam, Chalasani Nagar,
Ranigarithota, Krishnalanka,
VIJAYAWADA - 520 013.

Sub: **NHAI, PIU-Kadapa** - Four Laning of Mydukur to Badvel Section of NH-67 from Design Km.585.820 (Existing km.585.930) to Design km 630.96 (Existing km.628.555) of NH-67 (Design Length = 45.14Km) on Hybrid Annuity Mode under Bharatmala Pariyojna in the state of Andhra Pradesh - **APTransco - Construction Division - Erection of 220KV line by Single LILO of existing 220KV Jammalamadugu - Porumamilla line to existing 220KV SS Mydukur - Proposal for crossing of the existing NH-67 between Km.593+600 to Km.593+700 - Request for approval - Reg.**

SE

Ref:
1) Concessionaire letter no. RMBR/NHAI-PIU/M-B/522 dated 06.01.2026
2) IE Letter No. GIS/IE/Mydukur-Badvel/NHAI/869 dated 17.12.2025
3) T/o.Lr.No.NHAI/PIU-KDP/13007/1/2025/NH-67/AccessPermission/20515 dt.16.12.2025
4) Applicant Lr. No. EE/Const./Div/KDP/AEET/F.No.163/D.No.401/2025 dt.16.12.2025
5) T/o.Lr.No.NHAI/PIU-KDP/13007/1/2025/NH-67/AccessPermission/20496 dt.15.12.2025
6) IE Letter No. GIS/IE/Mydukur-Badvel/NHAI/865 dated 13.12.2025
7) T/o.Lr.No.NHAI/PIU-KDP/13007/1/2025/NH-67/AccessPermission/20155 dt.12.11.2025
8) Applicant Letter No. EE/Const./Div/KDP/AEET/F.No.299/D.No.359 dated 10.11.2025
9) MoRT&H guidelines No.RW/NH-36094 /01/2022-S&R(P&B) (E-208825) dtd.24.04.2023
10) MoRT&H guidelines No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016
11) CEA Regulations, 2023

Sir,

This has reference to the subject matter and references cited above.

2. It is to inform that the Executive Engineer, APTransco, Kadapa vide letter under reference **(8)** cited above has submitted the proposal for crossing of 220KV line by Single LILO of existing 220KV Jammalamadugu - Porumamilla line to existing 220KV SS Mydukur between **(i)** Km.591+800 to Km.592+000 & **(ii)** Km.593+600 to Km.593+700 of NH-67 near Pullaiah Swamy Satram village, S. Mydukur Mandal, YSR Kadapa District of the subject project for approval.

3. The said proposal was referred to the Independent Engineer and the Concessionaire of the project vide letter under reference **(7)** cited above for their recommendation.

4. The IE vide letter under reference **(6)** has communicated certain observations which was communicated to the applicant for compliance.

Contd....2

5. The compliance report submitted by the applicant has been reviewed by the Independent Engineer and the Concessionaire. As per the recommendation of the Independent Engineer and the Concessionaire, the proposals have been verified in this office and the following are submitted.

5.1. Location of proposed crossing of 220KV line is between Km.593+600 to Km.593+700 of NH-67 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa District.

5.2. The available RoW is 22.5m from the center line for both sides. The applicant has proposed for laying of utility lines between Km.593+600 to Km.593+700 at a distance of 80m on LHS and 118m on RHS from center-line of NH-67.

5.3. As para no.2.1 of MoRTH circular no.NH-III/P/20/77 dated 08.04.1982, *"The tower should be 10m away from the edge of the existing shoulders of the extreme traffic lane and the Pylons of HT lines along crossing the road should be located outside of the NH Land"*.

5.4. As per Para 5.1 of IRC: 32-1969, "The towers should be at minimum distance of 5m from the nearest line of Avenue trees".

5.5. The proposed Utility Lines should be laid as per the drawing/sketch enclosed and as per the MoRT&H guidelines. The vertical clearance from the Road Top level to the bottom point of the lowest conductor should be 13.58m (in all seasons) as specified in the drawing.

5.6. The applicant would take responsibility in case of any accidents or any incidents due to lack of safety measures on National Highway during the execution of the above-mentioned work.

5.7. The Horizontal & Vertical clearances are satisfying as per the IRC Guidelines and permission can be granted.

6. The applicant/executing agency has to provide all the necessary safety arrangements and traffic management as per IRC: SP: 55-2014 during execution. Prior intimation has to be given to NHAI, Concessionaire and IE regarding the start of the work.

7. As per the Checklist recommended by IE & Concessionaire, Utility line is crossing the Project Highway at an angle of 80.30°.

8. The RO-Vijayawada vide letter dated 29.11.2024 has communicated the instructions towards license fee as follows;

> *"No License fee shall be charged for EHT towers, if it belongs to Public Utility provider and also the tower base / support system lies outside the RoW of National Highways. For sake of clarity, License Fee shall be charged for EHT towers if it belongs to Industrial Infrastructure or tower base / support system lies within RoW of National Highways"*.

9. Based on the above instructions, PIU is opined that the License Fee for the subject proposal under Public Utility may not be charged.

Contd....3

10. As per CEA guidelines, 2023, minimum Vertical clearance required for 220KV line is 12.52m. The proposed Overhead line is having Vertical clearance of 13.58m & Horizontal clearance of 80m on LHS and 118m on RHS from center-line of NH-67 respectively.

11. The applicant has submitted the following -

- **(i)** Undertaking to pay or compensate for any damages caused to the NHAI property.
- **(ii)** Undertaking to ensure compliance of all safety norms during stringing work.
- **(iii)** Undertaking to ensure the traffic movement during stringing work.
- **(iv)** Undertaking to relocate the transmission lines at their own cost during future six lining or any other development.
- **(v)** Undertaking to follow the provisions of IRC:32-1969, CEA Regulations/Statutory provisions of Indian electricity rules and other relevant guidelines issued.
- **(vi)** Indemnity against all damages and claims.
- **(vii)** All necessary undertakings.
- **(viii)** Methodology of carrying out the stringing.
- **(ix)** Plan showing the crossing of 220KV overhead line.
- **(x)** Detailed crossing of 220KV overhead line proposed between Km.593+600 to Km.593+700 of NH-67 near Pullaiah Swamy Satram village, S. Mydukur Mandal, YSR Kadapa District, Andhra Pradesh.
- **(xi)** Draft Agreement for laying of utility services.
- **(xii)** Checklist for getting approval for laying of utility services (duly signed by the applicant, IE, Concessionaire and Project Director).

12. In view of the above, it is recommended that necessary approval may please be accorded to APTransco for crossing of 220KV overhead line proposed between Km.593+600 to Km.593+700 of NH-67 near Pullaiah Swamy Satram village, S. Mydukur Mandal, YSR Kadapa District, Andhra Pradesh.

Yours Sincerely,

Encl: As above

(B. Ashok Kumar)
DGM (Tech.) & Project Director

INSPECTION REPORT

The proposal for crossing of 220KV overhead line proposed between Km.593+600 to Km.593+700 of NH-67 near Pullaiah Swamy Satram village, S. Mydukur Mandal, YSR Kadapa District, Andhra Pradesh by APTransco was inspected on 27.12.2025 and the report is as follows -

2. The tower line is crossing the Main Carriageway between Km.593+600 to Km.593+700 from LHS to RHS of NH-67 near Pullaiah Swamy Satram village, S. Mydukur Mandal, YSR Kadapa District, Andhra Pradesh.

3. The available RoW is 22.5m from the center line for both sides. The applicant has proposed for laying of utility lines between Km.593+600 to Km.593+700 at a distance of 80m on LHS and 118m on RHS from center-line of NH-67.

4. It is recommended that necessary approval may be accorded to APTransco for crossing of 220KV overhead line proposed between Km.593+600 to Km.593+700 of NH-67 near Pullaiah Swamy Satram village, S. Mydukur Mandal, YSR Kadapa District, Andhra Pradesh in accordance with MoRT&H Circular dated 22.11.2016.

Site Engineer
NHAI, PIU-Kadapa

Project Director
NHAI, PIU-Kadapa

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for approval towards crossing of 220KV overhead transmission line between Km.593+600 to Km.593+700 of NH-67 near Pullaiah Swamy Satram village, S. Mydukur Mandal, YSR Kadapa District, Andhra Pradesh and confirm that all the standard conditions issued vide Ministry Circular No.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and MoRT&H guidelines no. NH-36094/01/2022-S&R (P&B) (E-208825) dated 24.04.2023 has been followed.

2. It is certified that the proposed crossing of overhead utility line will not adversely affect the design, stability and traffic safety of the Highway nor the likely future improvement such as widening of the carriageway, easing of curve, etc., as the utility line crossing is proposed at a distance of 80m on LHS and 118m on RHS from center-line of NH-67.

3. The Independent Engineer M/s Global Infra Solutions in JV with Artefact Projects Ltd., In Association with MS Consultant of the project verified at site and has recommended the proposal vide letter no. GS/IE/Mydukur-Badvel/NHAI/869 dated 17.12.2025.

4. The Concessionaire of the Project M/s. RITHWIK-MBR Infra Private Limited has given comments vide letter no. RMBR/NHAI-PIU/M-B/522 dated 06.01.2026.

5. It is certified that, there will be no hindrance to future six-laning development at the said location.

6. It will be ensured through the Independent Engineer for the project for supervision of the work of overhead line crossing and ensure that the defects in road portion after laying of utility are corrected.

7. The proposed permission will be entered into the Register of Records.

8. No approvals are accorded for HT line crossing.

(B. Ashok Kumar)
DGM (Tech.) & Project Director

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

(A Government of Andhra Pradesh Undertaking & an ISO 27001 – 2002 Certified Company)

DETAILS OF 220KV POWER LINE CROSSING NH – 67 (MYDUKUR – BADVEL SECTION) BETWEEN KM STONES 593+600 & 593+700

SL. NO.	PARTICULARS	DESCRIPTION
1	Name of the Proposed Line	Single LILO of existing 220kV Jammalamadugu - Porumamilla DC Line to existing 220kV SS Mydukuru on Multi Circuit Towers (8.1KM), S. Mydukur (M), YSR District on turnkey basis.
2	Name of the Highway	NH – 67 (Mydukur – Badvel Section)
3	Tower Location Nos. crossing the NH	23 (Z+9 with 2.6 Stub Extension) & 24 (Z+9 with 2.6 Stub Extension)
4	KM stone of Highway between which power line is crossing	Between 593+600 & 593+700
5	Place of Crossing	Near Pullaiah Swamy Satram, S. Mydukur Mandal in YSR District
6	Crossing Span and Angle of crossing the NH	198 Mtrs, crossing NH @ 80.30°
7	Minimum ground clearance required from Bottom most conductor to the Finished Road level	12.52 Mtrs
8	Clearance of Bottom most conductor to the Finished Road level of the proposed crossing	13.58 Mtrs
9	Details of Towers crossing the Nh – 67	Location No. 23 - Z+9 with 2.6 Stub Extension Location No. 24 - Z+9 with 2.6 Stub Extension
10	Distance of Tower to NH-67 (Centre of Tower to the NH road Centre)	Location No.23 – 80 Mtrs from centre line of NH Location No.24 – 118 Mtrs from centre line of NH
11	Distance of Tower to NH-67 (Centre of Tower to the NH ROW)	Location No.23 – 65.81 Mtrs from ROW end of NH Location No.24 – 92.5 Mtrs from ROW end of NH
12	Height of Towers	Location No.23 – 62.75 Mtrs Location No.24 – 62.75 Mtrs

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

(A Government of Andhra Pradesh Undertaking & an ISO 27001 – 2002 Certified Company)

Crossing of 220kV DC Line by single lilo of existing 220kV Jammalamadugu-Porumamilla DC line to existing 220kV SS in Mydukur, YSR Kadapa district., between KM stones 593+600 & 593+700 towards Badvel of NH- 67 (Mydukur - Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal,

METHODOLOGY OF CARRYING OUT THE STRINGING ACTIVITIES

1) The aim of this exercise is to carry out the stringing of 220KV power line across the National Highway 67 (Mydukur - Badvel section) between the tower Location No. 23 and 24 with the span of 198 metres. The distance of the tower Loc. No. 23 from centre line of the road is 80 metres and of Loc. No. 24 is 118 metres. After stringing a clearance of 13.58 metres would be maintained from the road surface to the bottom most conductor of the line.

2) Wooden/metal scaffolding of 12 metres height 3 metres width would be installed on either side of the National Highway-67 (Mydukur - Badvel section). A distance of 10 metres would be kept from the edge of the highway to the edge of the scaffolding to provide safe distance in case of collapse of scaffoldings. This scaffolding would be carrying only earth wire.

3) Earth wire would be strung first as shown in figure. To pass earth wire over the road, a polypropylene rope (Pilot rope) would be extended from scaffolding of one side and connected to the edge of the earth wire which would be on the scaffolding on other side. Once the connection is made, the pilot rope is pulled with tractor on the other side taking the earth wire on the wooden scaffolding. While pulling the Earth wire due to self-weight the earth wire will take catenary shape and hence traffic need to be stopped for about 30 minutes.

4) Once the earth wire is pulled completely it would be connected to the ends of the peak.

5) Later the 6 conductors will be dragged in the same manner as said above in case of earth wire by making up them on one side and every time there needs to be stoppage of traffic for about 30 minutes with time gap between one conductor and another likewise all six conductors will be lifted, and final stringing will be completed one by one.

6) During the above process every effort will be kept maintaining clearance from road and 15 to 20 minutes blockage of traffic would be necessary intermittently.

7) All Safety measures shall be followed as insisted by NHAI at the time of execution of work.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

TOWER SCHEDULE

NAME OF WORK: EERECTION OF PROPOSED 220KV SINGLE LILO OF EXISTING 220KV TALAMANCHIPATNAM - PORUMAMILLA DC LINE TO EXISTING 220KV SS MYDUKUR ON MULTI CIRCUIT TOWERS OVER HEAD CROSSING NH-67 (BADVEL-MYDUKUR SECTIO) BETWEEN KM 593+600 & 593+700 NEAR PULLAIH SWAMY STRAM, S.MYDUKUR MANDAL IN Y.S.R KADAPA DISTRICT.

SL. NO.	GPS CO-ORDINATES		SECTION	LOC. NO.	TYPE OF TOWER	ANGLE OF DEVIATION	SPAN IN MTR	SUM OF ADJ. SPAN	WIND SPAN	SECTION LENGTH	WEIGHT SPANS			CROSSINGS/CLEARANCE/REMARKS
	LATITUDE	LONGTITUDE									LEFT	RIGHT	TOTAL	
1	260073	1628994	AP: 12 MC	21	NMC+6	24°04'34" RT		418	209	592	112	113	225	220 KV NARROW BASED TOWER.
							218							2NO'S 11 KV LINE'S VC:10.51M,5.66M,33 KV LINE VC:7.45M,FC,TAR ROAD.
2	259919	1628841	AP: 13 MC	22	NMC+6	19°41'07" LT		466	233	218	105	72	177	220 KV NARROW BASED TOWER.
							248							33 KV LINE VC:9.31M,11 KV LINE VC:12.72M,FC.
3	259812	1628618	AP: 14 MC	23	Z+9	07°18'59" LT		446	223	248	176	101	277	+2.6 MTRS STUB EXTENSION,Z+9 PROPOSED FOR NH CROSSING PURPOSE.
					+2.6MTRS		198							33 KV LINE VC:16.09M,FC,UPGRADATION(BADVEL - MYDAKUR)NH CROSSING VC:13.58M.
4	259750	1628430	AP: 15 MC	24	Z+9	15°26'16" RT		434	217	198	97	197	294	+2.6 MTRS STUB EXTENSION,Z+9 PROPOSED FOR NH CROSSING
					+2.6MTRS		236							11 KV LINE VC:15.43M,FC.
5	259620	1628234	AP: 16 MC	25	NMB+3	07°47'40" RT		462	231	236	39	116	155	220 KV NARROW BASED TOWER.

EXECUTIVE ENGINEER
CONSTRUCTION / APTRANSCO
KADAPA

TECHNICAL PARTICULARS OF ACSR MOOSE CONDUCTOR		
SL. NO.	TECHNICAL PARTICULARS	ACSR MOOSE CONDUCTOR
		54+7/3.53 mm
1	Indian standard to which condcutor conforms	IS:398 (part-5) 1992
2	Area of cross-section (Sq mm)	597.00
3	Nominal overall diameter(mm)	31.77
4	Maximum working tension(Kg)	4200
5	Guaranteed UTS	16438
6	Weight of Coductor (Kg/ km)	2004
7	Modulus of Elasticity E (Kg/mm2)	7036

TECHNICAL PARTICULARS OF OPGW		
SL. NO.	TECHNICAL PARTICULARS	OPGW
1	Indian standard to which OPGE earth wire conforms	IEC 60974-4-410, IEEE - 1138 standards
2	Area of cross-section (Sq mm)	58.90
3	Nominal overall diameter(mm)	12.45
4	Utimate Exceptional Stress - N/mm2	844.4
5	Utlimate Tensile Strength (UTS) - kN	89.5
6	Weight of OPGW Earth wire(Kg/ km)	460
7	Modulus of Elasticity E (KN/mm2)	140.1

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

Global Infra Solutions Joint-Venture Artefact Projects Ltd. in Association with MS Consultant

#F-2, E-8/11A, SUKHSAGAR APARTMENT, TRILANGA, BHOPAL-462039
+91 9826483009
globalinfrasolutions@gmail.com

Ref. No.GIS/IE/Mydukur-Badvel/NHAI/869 **Date: 17/12/2025**

To,
The Project Director,
Project Implementation Unit,
National Highways Authority of India,
D No: 1/441/16, Behind Lakshmi Towers,
Maruthi Nagar, Near RTC Bus Stand,
Kadapa-516001, YSR District, Andhra Pradesh.
Email: kadapanhai@gmail.com

NHAI-PIU, KADAPA
Inw. 38734
Date 26.12.25
Mgr-1 Mgr-2
SE-1 SE-2
SE-3 SE-4
LAO Stene
AE IT YHE

Sub: Independent Engineer services for Four Laning from km 585.930 (Design Chainage 585.820) to km 628.555 (Design Chainage 630.960) of Mydukur – Badvel section of NH-67 on Hybrid Annuity Mode under Bharatmala Pariyojna in the state of Andhra Pradesh – ***APTransco-Construction Division - Erection of 200KV line by Single LILO of existing 220KV Jammalamadugu-Porumamilla line to existing 220KV SS Mydukur – proposed to cross exiting NH-67 between (i) Km 593+600 to 593+700 & (ii) Km 591+800 to Km 592+000 -Detailed Recommendation called for"*-Reg.**

26/12

Ref:-

1. Signed Concession Agreement dated 28.10.2022.
2. PIU NHAI letter no. NHAI/PIU-KDP/21006/1/2024/NH-544G/PKG-7/utilities/19997, dated: 27.10.2025
3. PIU NHAI letter no. NHAI/PIU-KDP/13007/1/2025/NH-67/Access Permission/20155, dated: 12.11.2025
4. IE letter no. GIS/IE/Mydukur-Badvel/NHAI/869 dated 13.12.2025
5. PIU NHAI letter no. NHAI/PIU-KDP/13007/1/2025/NH-67/Access Permission/20515, dated: 16.12.2025

Dear Sir,

This has reference to the above-mentioned subject and letter mentioned above, vide letter 3, Authority has communicated APTransco's proposal for crossing of 200KV line by Single LILO of existing 220KV Jammalamadugu-Porumamilla line to existing 220KV SS Mydukur – proposed to cross exiting NH-67 between (i) Km 593+600 to 593+700 & (ii) Km 591+800 to Km 592+000 near Pullaiah Swamy Satram ,S Mydukur Mandal, YSR Kadapa district and examine the proposal and submit the detailed report regarding the site condition.

Accordingly, IE along with Concessionaire visited the project location at which crossing is proposed and conveyed our observations vide letter no.4 to Authority.

Further, vide letter no:5, Authority has communicated APTransco's revised proposal after incorporating the IE's observations for crossing of 200KV line by Single LILO of existing 220KV

Jammalamadugu-Porumamilla line to existing 220KV SS Mydukur – proposed to cross exiting NH-67 between (i) Km 593+600 to 593+700 & (ii) Km 591+800 to Km 592+000 near Pullaiah Swamy Satram ,S Mydukur Mandal, YSR Kadapa district and examine the proposal and submit the detailed report regarding the site condition. Below are the IE observations.

Location	**591+800 to 592+000**
As per Applicant proposal, the distance between the tower and ROW line on LHS & RHS	44.17m & 51.45m
At location of crossing The distance between the ROW and the Carriageway edge is 8.5m on both LHS & RHS. Hence the distance between the pavement edge and Tower on LHS & RHS	52.67m & 59.95m.
The height of tower on LHS & RHS	38.04m & 53.5m
The required horizontal clearance between pavement edge and Tower at the crossing location on LHS & RHS is (H + 6m) where as "H" is height of tower. Therefore, the required horizontal clearance from the Carriageway edge to Tower location on LHS & RHS is	On LHS = 38.04+6 = 44.04m On RHS = 53.5+6 = 59.5m
From the above the horizontal clearance required and available on LHS is not meeting the guidelines followed by the NHAI as per minutes of meeting between the PGCIL and NHAI vide letter no:19997 dated 27.10.2025.	On LHS Required = 44.04m On LHS Available = 52.67m
From the above the horizontal clearance required and available on RHS is meeting the guidelines followed by the NHAI as per minutes of meeting between the PGCIL and NHAI vide letter no:19997 dated 27.10.2025.	On RHS Required = 59.50m On RHS Available = 59.95m
Based on above data, the crossing between Km 591+800 to 592+000 fulfills the requirement of both Horizontal and vertical clearances as per CEA guidelines.	

Location	**Km 593+600 to 593+700**
As per Applicant proposal, the distance between the tower and ROW line on LHS & RHS	65.81m & 92.50m
At location of crossing The distance between the ROW and the Carriageway edge is 3.0 on both LHS & RHS. Hence the distance between the pavement edge and Tower on LHS & RHS	68.81m & 95.50m
The height of tower on LHS & RHS	62.75m & 62.75m

Global Infra Solutions Joint-Venture Artefact Projects Ltd. in Association with MS Consultant

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The required horizontal clearance between Carriageway edge and Tower at the crossing location on LHS & RHS is (H + 6m) where as "H" is height of tower. Therefore, the required horizontal clearance from the Carriageway edge to Tower location on LHS & RHS is	On LHS = 62.75+6 = 68.750m On RHS = 62.75+6 = 68.750m
From the above the horizontal clearance from the Carriageway edge and the tower required and available on LHS is meeting the guidelines followed by the NHAI as per minutes of meeting between the PGCIL and NHAI vide letter no:19997 dated 27.10.2025.	On LHS Required = 68.75m On LHS Available = 68.81m
From the above the horizontal clearance from the Carriageway edge and the tower required and available on RHS is meeting the guidelines followed by the NHAI as per minutes of meeting between the PGCIL and NHAI vide letter no:19997 dated 27.10.2025.	On RHS Required = 68.750 On RHS Available = 95.50m
Based on above data, the crossing between Km 593+600 to 593+700 fulfills the requirement of both Horizontal and vertical clearances as per CEA guidelines.	

The remaining checklist is found OK. The signed copies of the Checklist and drawings are attached here with for your reference and approval.

Always thanking and assuring you of our best services.

Authority Signatory

GLOBAL INFRA SOLUTIONS Team Leader P.NH-67

Global Infra Solutions

Copy to: -The Project Manager, D.No.10/226, WardNo.10, Konetikalva Street, Proddatur

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

FROM
The Executive Engineer,
Construction Division,
APTRANSCO,
Kadapa.

TO
The Project Director,
Project Implementation Unit,
National Highways Authority of India,
YSR Kadapa District, Kadapa.

Lr.No.EE /Const./Div/KDP/AEET/F.No. 29 /D.No. 359 /2025, Dt. 10 .11.2025.

Sir,

Sub:-APTRANSCO- Construction Division– Kadapa – Erection of 220KV line by Single LILO of existing 220KV Jammalamadugu – Porumamilla line to existing 220KV SS Mydukur – Proposed to cross existing NH-67 between (i) KM Stones 593+600 & 593+700 (ii) KM Stones 591+800 & 592+000 towards Badvel – Documents Submitted- Regarding.

* * *

It is to submit that, the APTRANSCO is laying 220KV line by Single LILO of existing 220KV Jammalamadugu – Porumamilla line to existing 220KV SS Mydukur and the corresponding works are under progress. Further, the subject 220KV line is proposed to cross the existing National Highway-67 between (i) KM Stones 593+600 & 593+700 (ii) KM Stones 591+800 & 592+000, towards Badvel.

In this regard, we are here with submitting the following relevant documents for approval of over head crossing of the subject 220KV line with NH-67 between (i) KM Stones 593+600 & 593+700 (ii) KM Stones 591+800 & 592+000, for each crossing separately.

1) Check list for laying of transmission line
2) Agreement regarding granting of ROW permission for laying of EHT line on NH.
3) Undertakings and Certificates
4) Methodology of Stringing
5) Technical particulars of ACSR Moose Conductor and OPGW.
6) Sketches showing the crossing arrangement.

It is requested to process our applications and arrange the required approval for crossing the National Highway, at an early date please.

Encl: As mentioned above

Yours faithfully,

EXECUTIVE ENGINEER
APTRANSCO
CONSTRUCTION:KADAPA

Copy Submitted to:
The Chief Engineer/Projects/Vidyut Soudha/Vijayawada
The Superintending Engineer/Projects:Field/Kadapa
Copy to:
The Dy. Executive Engineer/Const/SD-II/Kadapa

CHECK LIST			
GUIDELINES FOR PROCESSING THE PROPOSAL FOR APPROVAL OF CROSSING OF 220KV DC LINE BY SINGLE LILO OF EXISTING 220KV JAMMALAMADUGU-PORUMAMILLA DC LINE TO EXISTING 220KV SS IN MYDUKUR, YSR KADAPA DISTRICT., BETWEEN KM STONES 593+600 & 593+700 TOWARDS BADVEL OF NH - 67 (MYDUKUR - BADVEL SECTION)			
SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
1	General Information		
1.1	Name and Address of the Applicant / Agency	Executive Engineer, Construction Division/ APTransco, Room No.3, Transco Nilayam, Sankarapuram, Kadapa - 516002	Executive Engineer, Construction Division/ APTransco, Room No.3, Transco Nilayam, Sankarapuram, Kadapa - 516002
1.2	National Highway Number	NH - 67 (Mydukur - Badvel Section)	NH - 67 (Mydukur - Badvel Section)
1.3	State	Andhra Pradesh	Andhra Pradesh
1.4	Location	Near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist.	Near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist.
1.5	Chainage / Km	Between KM 593+600 & 593+700 KM	NH-67 Road between KM stone 593+600 & 593+700
1.6	Length in meters	46 Mtrs (Over Head Crossing)	46 Mtrs (Crossing at 80.30° to the road alignment)
1.7	Width of available Row	45 Mtrs	45 Mtrs
	a) Left side from centre line towards increasing chainage /Kms direction	22.5 Mtrs	22.5 Mtrs
	b) Right side from centre line towards increasing chainage /km direction	22.5 Mtrs	22.5 Mtrs
1.8	Proposal to lay the utility line		
	a) Left side from centre line towards increasing chainage /Kms direction	80 Mtrs	Tower Location No. 23 at a distance of 80 Mtrs from the centre of road
	b) Right side from centre line towards increasing chainage /km direction	118 Mtrs	Tower Location No. 24 at a distance of 118 Mtrs from the centre of road
	c) Angle of crossing	80.30°	80.30°
1.9	Proposal to acquire the land		
	a) Left side from centre line	Not Required	Not Applicable
	b) Right side from centre line	Not Required	Not Applicable
1.10	Whether proposal is in the same side where land is not to be acquired	Not Applicable	Not Applicable

INFRA SOLUTIONS Team Leader NH-67

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CONSTRUCTION/APTRANSCO
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PROJECT DIRECTOR
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CHECK LIST			
GUIDELINES FOR PROCESSING THE PROPOSAL FOR APPROVAL OF CROSSING OF 220KV DC LINE BY SINGLE LILO OF EXISTING 220KV JAMMALAMADUGU-PORUMAMILLA DC LINE TO EXISTING 220KV SS IN MYDUKUR, YSR KADAPA DISTRICT., BETWEEN KM STONES 593+600 & 593+700 TOWARDS BADVEL OF NH - 67 (MYDUKUR - BADVEL SECTION)			
SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
	If not then where to lay the utility line	Not Applicable	Yes. Crossing the National Highway. Towers shall be constructed outside NHAI land boundary.
1.11	Details of already laid services, if any along the proposed route	Not Applicable	Not Applicable, as the proposal is across the NH
1.12	Number of existing lanes (2 / 4 / 6 / 8 lanes) existing	4 Lane	4 Lane
1.13	Proposed number of lanes (2 lane with paved shoulders/ 4 / 6 / 8 lanes)	Not Applicable	Not Applicable
1.14	Service Road existing or not, If yes then which side	Yes	Yes
	a) Left side from centre line	7 Mtrs	7 Mtrs
	b) Right side from centre line	7 Mtrs	7 Mtrs
1.15	Proposed Service Road	Not Applicable	Not Applicable
	a) Left side from centre line	Not Applicable	Not Applicable
	b) Right side from centre line	Not Applicable	Not Applicable
1.16	Whether proposal to lay the utility is after the service road or between the service road and main carriage way	Each tower on either side of NH and Service road in private lands and the line will be strung across and overhead to the proposed road.	Each tower shall be erected on either side of the NH incl. service road
1.17	Whether carrying of Utility line has been proposed on highway Bridges. If yes, then mention the methodology proposed for the same	Not Applicable	Not Applicable, as the proposal is across the NH
1.18	Whether carrying of Utility line has been proposed on the parapet / any part of the bridges. If yes, then mention the methodology proposed for the same.	Not Applicable	Not Applicable
1.19	If crossings of the road involved if Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expanses of the agency owning the line.	Yes, 220kV line is crossing Over head to the NH	Yes, 220kV line is crossing Over head to the NH 13.58 Mtrs above the Finished Road level
	a) Whether the existing drainage structures are allowed to carry the utility line.	Not Applicable	Not Applicable
	b) Is it on align normal to the NH	Over Head Crossing is at 80.30° to NH - 67	Over Head Crossing is at 80.30° to NH - 67
	c) What is the distance of crossing the utility lines from the existing structures crossing shall not be too near the existing structures on the National Highways. The minimum distance being 15 mts.	No Existing Structures	Not Applicable

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EXECUTIVE ENGINEER
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CHECK LIST			
GUIDELINES FOR PROCESSING THE PROPOSAL FOR APPROVAL OF CROSSING OF 220KV DC LINE BY SINGLE LILO OF EXISTING 220KV JAMMALAMADUGU-PORUMAMILLA DC LINE TO EXISTING 220KV SS IN MYDUKUR, YSR KADAPA DISTRICT., BETWEEN KM STONES 593+600 & 593+700 TOWARDS BADVEL OF NH - 67 (MYDUKUR - BADVEL SECTION)			
SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
	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 withdrawal of the carrier pipe /cable. Mention type of casing	Not Applicable	Not Applicable
	e) Ends of the casing pipe shall be sealed from the outside. So that it does not act as a drainage path.	Not Applicable	Not Applicable
	f) The casing/conduit pipe should be as minimum extend from drain to drain in cuts and toe of the slope in the fills.	Not Applicable	Not Applicable
	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 0.30m below, the drain inverts. Mention the proposed details	Not Applicable	Not Applicable
	h) Mention the methodology proposed for crossing of road for the proposed utility line. Crossing shall be by boring method (HDD)(Trenchless Technology). Specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.	Not Applicable	Not Applicable
	i) 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 water way along it.	Not Applicable	Not Applicable
2	Document/Drawings enclosed with the proposal		

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PROJECT DIRECTOR
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GUIDELINES FOR PROCESSING THE PROPOSAL FOR APPROVAL OF CROSSING OF 220KV DC LINE BY SINGLE LILO OF EXISTING 220KV JAMMALAMADUGU-PORUMAMILLA DC LINE TO EXISTING 220KV SS IN MYDUKUR, YSR KADAPA DISTRICT., BETWEEN KM STONES 593+600 & 593+700 TOWARDS BADVEL OF NH - 67 (MYDUKUR - BADVEL SECTION)			
SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
2.1	Cross section showing the size of the trench for open trenching method (Is it nominal size of 1.20m 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 carriage 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 at least 0.60 mts below the ground level so as not to obstruct drainage of the road land.	Not Applicable	Not Applicable
2.2	Cross section showing the size of the pit and location of cable for HDD method.	Not Applicable	Not Applicable
2.3	Strip plan/ route plan showing the utility line chainage, width of ROW, distance of proposed utility line from the edge of ROW. Important milestone intersections, cross drainage works etc.	Enclosed	Yes, Enclosed
2.4	Methodology for laying over head utility line	Enclosed	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, what is the Methodology of refilling of trench.	Not Applicable	Not Applicable
	(a) The trench width should be at least 30cm but not more than 60cm wider than the outer diameter of the pipe.	Not Applicable	Not Applicable
	(b) For filling of the trench bedding shall be to a depth of not less than 30cm. It shall consists of granular material. 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.	Not Applicable	Not Applicable
	(c) 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.	Not Applicable	Not Applicable

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EXECUTIVE ENGINEER
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SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
	(d) The side fill shall consist of granular material laid in 15 cm 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 permitted.	Not Applicable	Not Applicable
	(e) The road crust shall be built to the same strength as existing crust on either side of the trench. Shall be taken to avoid the formation of a dip at the trench.	Not Applicable	Not Applicable
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	Not Applicable	Not Applicable
	(g) If required a diversion shall be constructed at the expense of agency owning the utility line	Not Applicable	Not Applicable
2.4.2	Horizontal directional drilling method (HDD method)	Not Applicable	Not Applicable
2.4.3	Methodology for laying of the utility line through CD works and method of laying In case where the carrying of utility line on the bridge becomes inescapable	Not Applicable	Not Applicable
3	Draft licensee agreement is signed by two witnesses.	Enclosed	Yes,Enclosed
3.1	The license fee estimate as per Ministry's guidelines issued vide circular no. RW/NH-33044/29/2015/S&R(R), dated: 22.11.2016 and circular dated 24.04.2023.	Not Applicable. As per the guidelines vide NH-36094/01/2022-S&R (P&B), Dt: 24.04.2023 as per clause 5.2, since the proposed 220kV line support system is placed outside the boundary of NH land area, only the projections such as Moose conductor and OPG wire only will pass through the proposed National Highway through overhead.	As per clause 5.2 of MORTH guidelines, License fee for public utility shall be equal to utilised NH land area X Previaling Circle Rate of Land per unit area X 1.5% per annum, subject to miunimum of ₹ 10,000/-, with 6% annual increament. <u>Utilised NH land area shall include area of support system/tower but not include projection of utility on ground.</u>
4	Whether Performance bank guarantee as per Ministry's guidelines issued vide circular no. RW/NH-33044/29/2015/ S&R(R), Dated 22.11.2016 is obtained.	Not Applicable	Yet to be decided by the Autority as per MORTH guidelines

FRA SOLUTIONS Team Leader NH-67

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PROJECT DIRECTOR
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GUIDELINES FOR PROCESSING THE PROPOSAL FOR APPROVAL OF CROSSING OF 220KV DC LINE BY SINGLE LILO OF EXISTING 220KV JAMMALAMADUGU-PORUMAMILLA DC LINE TO EXISTING 220KV SS IN MYDUKUR, YSR KADAPA DISTRICT., BETWEEN KM STONES 593+600 & 593+700 TOWARDS BADVEL OF NH - 67 (MYDUKUR - BADVEL SECTION)			
SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
4.1	Confirmation of BG has been obtained are not as per MORTH/ NHAI Guidelines	Not Applicable	Yet to be decided by the Autority as per MORTH guidelines
5	Affidavit/ undertaking from the applicant from the following is to be furnished		
5.1	Undertaking not to damage any other utility, If damaged to pay the losses either NHAI or to the concerned agency.	Enclosed	Yes,Enclosed
5.2	Undertaking for renewal of BG as when asked by MORTH/ NHAI.	Not Applicable	Not Applicable
5.3	Undertaking for confirming all standard condition of Ministry circulars and NHAI's Guidelines.	Enclosed	Yes,Enclosed
5.4	Undertaking for Indemnity against all damages and claims.	Enclosed	Yes,Enclosed
5.5	Undertaking for management of traffic movement during laying utility line without hampering the traffic.	Enclosed	Yes,Enclosed
5.6	Undertaking that if any claim is raised by the Concessionaire / Contractor then the same has to be paid by the applicant.	Enclosed	Yes,Enclosed
5.7	Undertaking prior approval of NHAI shall be obtained before undertaking any work of installation, shifting or repair of alterations to the utility line located in National Highway right-of- ways.	Enclosed	Yes,Enclosed
5.8	Undertaking that expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Enclosed	Yes,Enclosed
5.9	Undertaking that text of the license deed is as per verbatim of MORTH format issued vide ministry's circular number: RW-NH-33044/29/2015/S&R(R) dated: 22-11-2016	Enclosed	Yes,Enclosed

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SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity. Chief controller of Explosives. Petroleum and Explosive Safety Organization. Oil Industry Safety Directorate. State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration.	Not Applicable	Not Applicable
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility for any work of improvement or repair to the road, if 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.	Enclosed	Yes,Enclosed
5.12	Certificate from the applicant in the following format (i) Laying of utility line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) We do undertaking that we will relocate service road/ approach road/Utilities at my/our own cost notwithstanding the permission granted within such time as will stipulated by NHAI for future six lining or any other development.	Enclosed	Yes,Enclosed
6	Who will sign the agreement on behalf of utility line agency	Executive Engineer Construction Division APTransco, Kadapa	Executive Engineer Construction Division APTransco, Kadapa
6.1	Power of attorney to sign the agreement is available or not.	Competant authority to sign the agreement	Competant authority to sign the agreement
7	The project director will submit the following certificates.		
7.1	Certificate that the proposal is confirming to all standard conditions issued vide Ministry's circular number: RW/NH/ 33044/29/2015/S&R(R) dated 22-11-2016.	Yes	The Authority shall submit

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RUTHWIK PROJECT'S PVT. LTD.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

PROJECT DIRECTOR
NHAI, P.I.U. KADAPA.

CHECK LIST			
GUIDELINES FOR PROCESSING THE PROPOSAL FOR APPROVAL OF CROSSING OF 220KV DC LINE BY SINGLE LILO OF EXISTING 220KV JAMMALAMADUGU-PORUMAMILLA DC LINE TO EXISTING 220KV SS IN MYDUKUR, YSR KADAPA DISTRICT., BETWEEN KM STONES 593+600 & 593+700 TOWARDS BADVEL OF NH - 67 (MYDUKUR - BADVEL SECTION)			
SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
7.2	Certificate from PD in the following format (i) It is certified that any other location of the utility line would be extremely difficult and unreasonable costly and the crossing of utility line across ROW will not adversely affect the design, stability & traffic safety of the Highway nor the likely future improvement such as widening of the carriageway, easing of curve etc., (ii) For 6-fanning (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 structure at the said location" (b) In case feasibility report is not available "I do certify that sufficient ROW at site for accommodating proposed 6 lining"	Yes	The Authority shall submit
8	If NH section to be 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 utility line/ duct has also been granted as a right of way to the concessionaire under the concession agreement for upgrading of (..... Section from Km..... to Km..... of NH No:-..... on Build Operate and Transfer basis) and the licensee shall honours the same.	Not Applicable	Not Applicable
9	Who will supervise the work of laying of utility line		
	a) On behalf of the applicant	Executive Engineer Construction Division APTransco, Kadapa	Executive Engineer Construction Division APTransco, Kadapa
	b) On behalf of MORTH/NHAI	Project Director, PIU, NHAI, Kadapa	Project Director, PIU, NHAI, Kadapa
10	Who will ensure that the defects in road portion after lying of utility line are corrected and if not corrected then what action will be taken.		
	a) On behalf of the applicant	Executive Engineer Construction Division APTransco, Kadapa	Executive Engineer Construction Division APTransco, Kadapa

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RITHWIK PROJECT'S PVT. LTD.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
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SL. NO.	**ITEM**	**INFORMATION /STATUS**	**IE COMMENTS**
	b) On behalf of NHAI	Project Director, PIU, NHAI, Kadapa	Project Director, PIU, NHAI, Kadapa
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire		
	On behalf of applicant	Executive Engineer Construction Division APTransco, Kadapa	Executive Engineer Construction Division APTransco, Kadapa
12	A certificate from PD that he will enter the proposed permission in the register of records of the permission in the prescribed Proforma (copy enclosed)	Enclosed	Action may be taken by the Authority
13	If any previous approval is accorded for laying of utility line then photocopy of register of records of permission accorded (as maintained by PD) be enclosed.	Not Applicable	Not Applicable

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RITHWIK PROJECT'S PVT. LTD.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

PROJECT DIRECTOR
NHAI, P.I.U. KADAPA.

RITHWIK
MBR INFRA PRIVATE LIMITED

Ch: - 612+500 KM-LHS,
D. Agraharam(village),
Brahmamgari Matam (M
Badvel (Sub-dist),
Kadapa (Dist) AP-5165(

Ref No: RMBR/NHAI-PIU/M-B/522

Date: 06.01.2026

To
The Project Director,
Project Implementation Unit,
National Highway Authority of India
D. No: 1/441/16, Behind Lakshmi Towers,
Maruthi Nagar, Near RTC Bus Stand,
Kadapa -516001, YSR District,
Andhra Pradesh. Email: kadapanhai@gmail.com

Sub: (N/05023/02001/AP)- Four Laning from km 585.930 (Design Chainage 585.820) to km 628.555 (Design Chainage 630.960) of Mydukur - Badvel Section of NH-67 on Hybrid Annuity Mode under Bharatmala Pariyojna, in the state of Andhra Pradesh - "APTransco - Construction Division - Erection of 220KV line by Single Lilo of existing 220KV Jammalamadugu-Porumamilla line to existing 220 KV SS Mydukur - proposed to cross existing NH-67 between (i) Km 593+600 to Km 593+700 & (ii) Km 591+800 to Km 592+000 - Detailed Recommendation called for" - Reg.

Ref:
1. Signed Concession Agreement, dated: 28.10.2022
2. PIU NHAI Letter No. NHAI/PIU-KDP/21006/1/2024/NH-544G/PKG-7/Utilities/19997, dated 27.10.2025
3. PIU NHAI Letter No. NHAI/PIU-KDP/13007/1/2025/NH-67/Access Permission/20155, dated 12.11.2025
4. IE Letter No. GIS/IE/Mydukur-Badvel/NHAI/865 dated 13.12.2025

Dear Sir,

Project Director, PIU Kadapa, NHAI vide letter (#3) dated 12.11.2025, has communicated APTransco's proposal for crossing by Erection of 220 kV line by single LILO of existing 220kV Jammalamadugu-Porumamilla line to existing 220 KV SS Mydukur - Proposed to cross existing NH-67 between (i) Km 593+600 to Km 593+700 & (ii) Km 591+800 to Km 592+000 of NH-67 near Pullaiah Swamy Satram, S.Mydukur Mandal, YSR Kadapa District of the subject project for and examine the proposal and submit the detailed report regarding the site condition.

In this regard, representatives of Independent Engineer along with the Concessionaire have visited the location where crossing proposed and further the documents submitted were verified and fulfills the requirement of both Horizontal and Vertical clearances as per CEA guidelines and the checklist submitted is found OK.

This is submitted for your further needful action.

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

Yours faithfully,
For M/s. Rithwik MBR Infra Private Limited,

Mr. V. Suneel Babu
Authorized Signatory

Copy to: The Team Leader, M/s. Global Infra Solutions in JV with M/s. Artefact Projects Ltd, in association with M/s. MS Consultant.

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Certificate No.	:	IN-AP37414752321846X
Certificate Issued Date	:	04-Nov-2025 03:19 PM
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DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP1800450458755004393388X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

Please write or type below this line

AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS

Agreement to lay 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru on Multi Circuit Towers in Mydukur, YSR Kadapa District., overhead crossing of National Highway - 67 (Mydukur to Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. between chainage KM. 593+600 & 593+700.

This Agreement made this _____day of _____ (month) of 2025 between NHAI, PIU, Kadapa & Transmission Corporation of Andhra Pradesh Ltd., acting in his executive capacity through National Highway authority of India Limited (herein after referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part and Transmission Corporation of Andhra Pradesh Ltd. a limited company registered under the Companies Act, 1956 and having its registered office at Vidyuth Soudha, Gunadala, Vijayawada (herein after called the Licensee") which expression shall unless excluded by repugnant to the context, include his successors/ administrator assignees on the second part.

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Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in KM 593+600 to KM 593+700 of NH No 67 ROW.

Whereas the Licensee proposes to lay 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru on Multi Circuit Towers in Mydukur, YSR Kadapa District in between chainage KM. 593+600 & 593+700 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist., referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility services from KM 593+600 to KM 593+700 of road /route up to_____ and from KM_____ to KM _____ of road/route up to _____

And whereas the Authority has agreed to grant such permission for way leave on the NH RoW as per terms and conditions herein after 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 here to 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.

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 fulfillment 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.

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4. The Licensee shall pay license fees (â) ₹ ...../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.

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 meter 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;

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11. The utility services shall be permitted to cross the National Highway (NH - 67 (Mydukur – Badvel Section)) 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.

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 - 67 (Mydukur – Badvel Section)) 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 confirm 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, to restore the land in to the same condition 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;

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18. All required restoration works after laying of the cable 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 meter/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/high wav 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

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concerned agency in coordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.

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 days 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.

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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.

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 geotagged photographs and geo-tagged video recordings of laying of overhead Electric Power Transmission line across National Highway NH-67 (Mydukur to Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. between the KM stones 593+600 – 593+700 (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.

36. The Licensee shall always allow free access to the Site to the authorized 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 not 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

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utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:

a. operation, repair 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 always kept open to traffic. 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 the utility services. However, before taking up the work of removal of utility services the Licensee shall furnish a Bank 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 AND THE YEAR FIRST ABOVE WRITTEN.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI_____.

(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/s TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED (LICENSEE)

BY SHRI U. CHANDRA SEKHAR.

(Signature, name & address with stamp)
EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

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. (B. Vishnu Kumar, DEE/construction/SD-II/Kadapa)

2. (I. Murali Mohan Reddy, AEE/Construction/SD-II/Kadapa)

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Unique Doc. Reference	:	SUBIN-APAP180045045875055017832 0X
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Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

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UNDERTAKING

It is proposed to carry out stringing activity of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. This section is crossing National Highway NH-67 (Mydukur to Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. between the KM stones 593+600 – 593+700. This section of the National High way is under the control of Project Director, Project Implementation Unit, NHAI, Kadapa.

Stringing would be executed by Transmission Corporation of Andhra Pradesh Limited through agency M/s. P. Chandra Reddy &Co., Tirupati

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby undertake that the traffic movement during the stringing work will be managed by Transmission Corporation of Andhra Pradesh Limited without hampering the traffic.

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The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati.

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby undertake that Transmission Corporation of Andhra Pradesh Limited agrees to indemnify against all damages and claims arising during the execution of the above-mentioned work.

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The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati.

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby undertake that no damage will be caused to any existing utilities during execution. In the event of any damage, Transmission Corporation of Andhra Pradesh Limited agrees to bear the cost and compensate the losses incurred either to NHAI or to the concerned agency.

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Please write or type below this line

UNDERTAKING

It is proposed to carry out stringing activity of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. This section involves crossing the National Highway NH-67 (Mydukur–Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa District, between Km stones 593+600 and 593+700. The said stretch of the National Highway falls under the jurisdiction of the Project Director, Project Implementation Unit, NHAI, Kadapa.

The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati.

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby undertake that Transmission Corporation of Andhra Pradesh Limited shall ensure compliance with all safety norms specified in the Ministry's circulars and NHAI's guidelines from time to time, to ensure the safe movement of vehicular traffic on the National Highway between Km stones 593+600 and 593+700 during the execution of the above-mentioned stringing work.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA

0024985850

INDIA NON JUDICIAL

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Government of Andhra Pradesh

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Certificate No.	:	IN-AP37413061017347X
Certificate Issued Date	:	04-Nov-2025 03:15 PM
Account Reference	:	NEWIMPACC (SV)/ ap18004504/ AP-CDP/ AP-TPT/apsangatu
DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP1800450458751256075666X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

Please write or type below this line

UNDERTAKING

It is proposed to carry out stringing activity of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. This section involves crossing the National Highway NH-67 (Mydukur–Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa District, between Km stones 593+600 and 593+700. The said stretch of the National Highway falls under the jurisdiction of the Project Director, Project Implementation Unit, NHAI, Kadapa.

The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati.

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby undertake that if any claim is raised by the Concessionaire or Contractor, the same will be paid by Transmission Corporation of Andhra Pradesh Limited.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

GG 0024985853

INDIA NON JUDICIAL

IN-AP37413160547976X

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Certificate No.	:	IN-AP37413160547976X
Certificate Issued Date	:	04-Nov-2025 03:15 PM
Account Reference	:	NEWIMPACC (SV)/ ap18004504/ AP-CDP/ AP-TPT/apsangatu
DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP1800450458751499436050X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
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Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

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UNDERTAKING

It is proposed to carry out stringing activity of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. This section involves crossing the National Highway NH-67 (Mydukur–Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa District, between Km stones 593+600 and 593+700. The said stretch of the National Highway falls under the jurisdiction of the Project Director, Project Implementation Unit, NHAI, Kadapa.

The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby undertake that Transmission Corporation of Andhra Pradesh Limited shall obtain prior approval from NHAI before undertaking any work related to installation, shifting, repair, or alteration of the utility line located within the National Highway right-of-way.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA

0024985854

INDIA NON JUDICIAL

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Government of Andhra Pradesh

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Certificate No.	:	IN-AP37413610581324X
Certificate Issued Date	:	04-Nov-2025 03:16 PM
Account Reference	:	NEWIMPACC (SV)/ ap18004504/ AP-CDP/ AP-TPT/apsangatu
DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP1800450458751939638697X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

Please write or type below this line

UNDERTAKING

It is proposed to carry out stringing activity of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. This section involves crossing the National Highway NH-67 (Mydukur–Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa District, between Km stones 593+600 and 593+700. The said stretch of the National Highway falls under the jurisdiction of the Project Director, Project Implementation Unit, NHAI, Kadapa.

The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby undertake that any expenditure incurred by NHAI for repairing damages caused to the National Highway due to the laying, maintenance, or shifting of the electrical supply line shall be borne by the Transmission Corporation of Andhra Pradesh Limited.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA

GG 0024985855

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Government of Andhra Pradesh

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Certificate No.	:	IN-AP37413786517298X
Certificate Issued Date	:	04-Nov-2025 03:17 PM
Account Reference	:	NEWIMPACC (SV)/ ap18004504/ AP-CDP/ AP-TPT/apsangatu
DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP1800450458752655489334X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

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UNDERTAKING

It is proposed to carry out stringing activity of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. This section involves crossing the National Highway NH-67 (Mydukur–Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa District, between Km stones 593+600 and 593+700. The said stretch of the National Highway falls under the jurisdiction of the Project Director, Project Implementation Unit, NHAI, Kadapa.

The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of the Transmission Corporation of Andhra Pradesh Limited, hereby undertake that the text of the license deed of the Transmission Corporation of Andhra Pradesh Limited is in verbatim conformity with the MORTH format issued vide Ministry's Circular No. RW-NH-33044/29/2015/S&R(R) dated 22.11.2016.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA

GG 0024985856

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

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Government of Andhra Pradesh

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Account Reference	:	NEWIMPACC (SV)/ ap18004504/ AP-CDP/ AP-TPT/apsangatu
DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP1800450458753168459625X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

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UNDERTAKING

It is proposed to carry out stringing activity of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. This section involves crossing the National Highway NH-67 (Mydukur–Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa District, between Km stones 593+600 and 593+700. The said stretch of the National Highway falls under the jurisdiction of the Project Director, Project Implementation Unit, NHAI, Kadapa.

The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby undertake that if the MoRTH/NHAI considers it necessary in future to shift or relocate the utility line for any work related to improvement or repair of the road, the same shall be carried out by Transmission Corporation of Andhra Pradesh Limited at its own cost within a reasonable period, not exceeding 60 days from the date of intimation given by MoRTH/NHAI.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

0024985857

INDIA NON JUDICIAL

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Government of Andhra Pradesh

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Certificate Issued Date	:	04-Nov-2025 03:18 PM
Account Reference	:	NEWIMPACC (SV)/ ap18004504/ AP-CDP/ AP-TPT/apsangatu
DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP18004504587536519278 47X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI

Please write or type below this line

UNDERTAKING

It is proposed to carry out stringing activity of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. This section involves crossing the National Highway NH-67 (Mydukur–Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa District, between Km stones 593+600 and 593+700. The said stretch of the National Highway falls under the jurisdiction of the Project Director, Project Implementation Unit, NHAI, Kadapa.

The stringing work will be executed by Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) through its executing agency, M/s. P. Chandra Reddy & Co., Tirupati

In this context, I, U. Chandra Sekhar, Executive Engineer, Construction Division, Kadapa, on behalf of Transmission Corporation of Andhra Pradesh Limited, hereby ensure that all provisions of IRC:32–1969, CEA Regulations, Statutory provisions of the Indian Electricity Rules, and other relevant guidelines issued from time to time shall be strictly followed during the execution of the work.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA

GG 0024985858

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Government of Andhra Pradesh

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Certificate Issued Date	:	04-Nov-2025 03:18 PM
Account Reference	:	NEWIMPACC (SV)/ ap18004504/ AP-CDP/ AP-TPT/apsangatu
DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP18004504587543946873 23X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

Please write or type below this line

CERTIFICATE

The work Erection of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 is crossing National Highway NH-67 (Mydukur to Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. between the KM stones 593+600 – 593+700.

We hereby certify that,

1. Laying of electrical supply line will not have any deleterious effects on any of the bridge components and road way safety for traffic.
2. We do undertake that; we will relocate Utilities at our own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six lining or any other development.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

GG 0024985859

INDIA NON JUDICIAL

IN-AP37415110615212X

Government of Andhra Pradesh

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Certificate No.	:	IN-AP37415110615212X
Certificate Issued Date	:	04-Nov-2025 03:19 PM
Account Reference	:	NEWIMPACC (SV)/ ap18004504/ AP-CDP/ AP-TPT/apsangatu
DDO Code	:	27002308001 O/o IG R
Unique Doc. Reference	:	SUBIN-APAP18004504587553352748 73X
Purchased by	:	U CHANDRA SEKHAR EXECUTIVE ENGINEER APTRANSCO
Description of Document	:	Article 6 Agreement
Property Description	:	LICENSE AGREEMENT WITH NHAI
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	EXECUTIVE ENGINEER APTRANSCO
Second Party	:	NHAI PIU KADAPA
Paid By (For Whom)	:	EXECUTIVE ENGINEER APTRANSCO
Stamp Duty Amount(Rs.)	:	50 (Fifty only)

SHAIK MOULALI S.V. KADAPA

Please write or type below this line

UNDERTAKING

1. The work of Erection of 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru on Multi Circuit Towers in Mydukur, YSR Kadapa District. crossing of National Highway NH-67 (Mydukur to Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. between chainage KM. 593+600 & 593+700 will be carried out only after getting approval from the competent authority.
2. We shall be responsible for safety of all construction works, such as Erection of towers, Stringing of line along and across the NH road.
3. We shall inform the officer of NHAI at least 15 days in advance before starting the work.
4. We shall not, without prior permission in writing of the concern officers of the NHAI undertake any shifting and other alteration works of this erected power lines.
5. NHAI shall not be responsible for any damage caused to the power supply lines or by any activity of our side on the permitted highway. The parties are agreed that we are laying the power supply lines on the permitted highway at its own cost.

EXECUTIVE ENGINEER
CONSTRUCTION APTRANSCO
KADAPA.

GG 0024985861

6. The excavated tower pit shall be properly back Med, to restore the land in the same condition as it was before the excavation of the pits and shall clear the debris/ loose earth produced from the execution of the tower erection and lines.

7. We agree to abide by the directions of the concerned officer of NHAI appointed in accordance with the National High ways act 1956 and rules in force. Certified that no damage to the other utility will be done, if damaged then to pay the losses either to NHAI or to the concerned agency.

8. We are conforming all standard conditions of NHAI guidelines.

9. We shall be responsible for shifting due to 6 Lanning / widening of NH.

10. We agree indemnity against all damages and claims clause (XXIV).

11. We will manage traffic movement during laying of power supply line.

12. We undertake to shift the electrical lines and supporting tower structures at any time owing to the expansion of the road or if necessary, NHAI authorities.

13. We will borne expenditure if any incurred by NHAI for repairing any damages caused to national highway by the laying of the line, maintenance or shifting of the electrical supply line will be borne by the agency owing the line.

14. If the NHAI considers, if 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 NHA1 at the cost of ours owing the utility line within a reasonable time.

15. Certify that laying of electrical supply line will not have any deleterious effects on any of the bridge components and road way safety for traffic.

16. We will not damage any avenue plantation during the execution of our work. However, if any un-avoidable damage happens to plantation, then we will replace the plants in 1:5 ratio as per the standard specifications of NHAI at our own cost including maintenance for 5 years.

17. We will provide safety measures like barricading, danger lighting and other necessary cautionary boards while executing the work.

18. We shall ensure the safety and security of already existing utilities.

19. We shall arrange all the clearances including Forest Clearance required for laying the utility as per drawing. We shall also arrange for shifting of utilities, if required at his own cost as per the directions of concerned Department.

20. We shall ensure that at no time there is interference with drainages of road, land, and maintenance of NH.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

21. If any claim is raised by the Concessionaire/contractor due to the damages, then the same has to be paid by us.

22. We will submit the license Fee and Bank Guarantee, if any applicable for the above said transmission line crossing work, then the same will be paid by us.

23. We will obtain prior approval of NHAI before undertaking any work of installation, shifting or repair of alterations to the utility line located in National Highway right-of-way.

24. The expenditure, if any incurred by NHAI for repairing any damage caused to the National Highway by laying, maintenance or shifting of the utility line will be borne by us.

25. The text license deed as per verbatim of MORTH format issued vide ministry's circular number: RW-NH-33044/29/2015/S&R® dated:22-11-2016.

26. If necessary, we will shift the electricity power transmission lines out of the working zone of NHAI at our own cost. How ever, if delay in shifting the same by us happens and if NHAI wants to shift the same at their cost, then any kind of damage to the Transmission Corporation of Andhra Pradesh limited & NHAI property and any sort of disturbance to the public occurred will be the responsibility of Transmission Corporation of Andhra Pradesh limited.

27. We will submit the required licensee fee for crossing of 01 no. 220KV DC line by Single LILO of existing 220kV Jammalamadugu-Porumamilla DC Line to existing 220kV SS Mydukuru between the Location No. 23 & 24 between the KM stones 593+600 – 593+700 of National Highway NH-67 (Mydukur to Badvel section) near Pullaiah Swamy Satram, S. Mydukur Mandal, YSR Kadapa Dist. as and when directed by the NHAI.

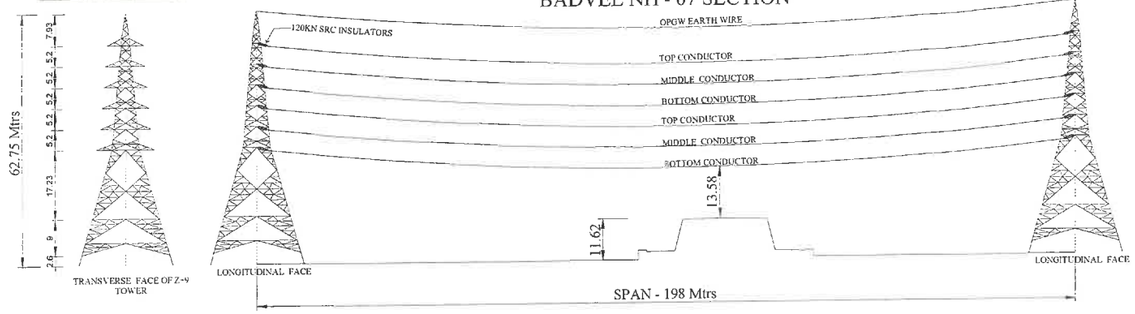
EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

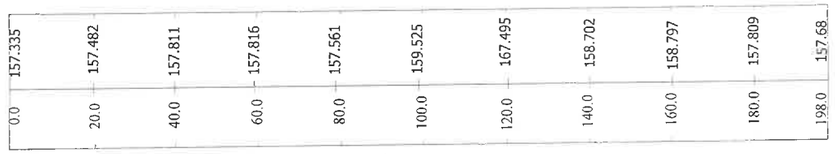
TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

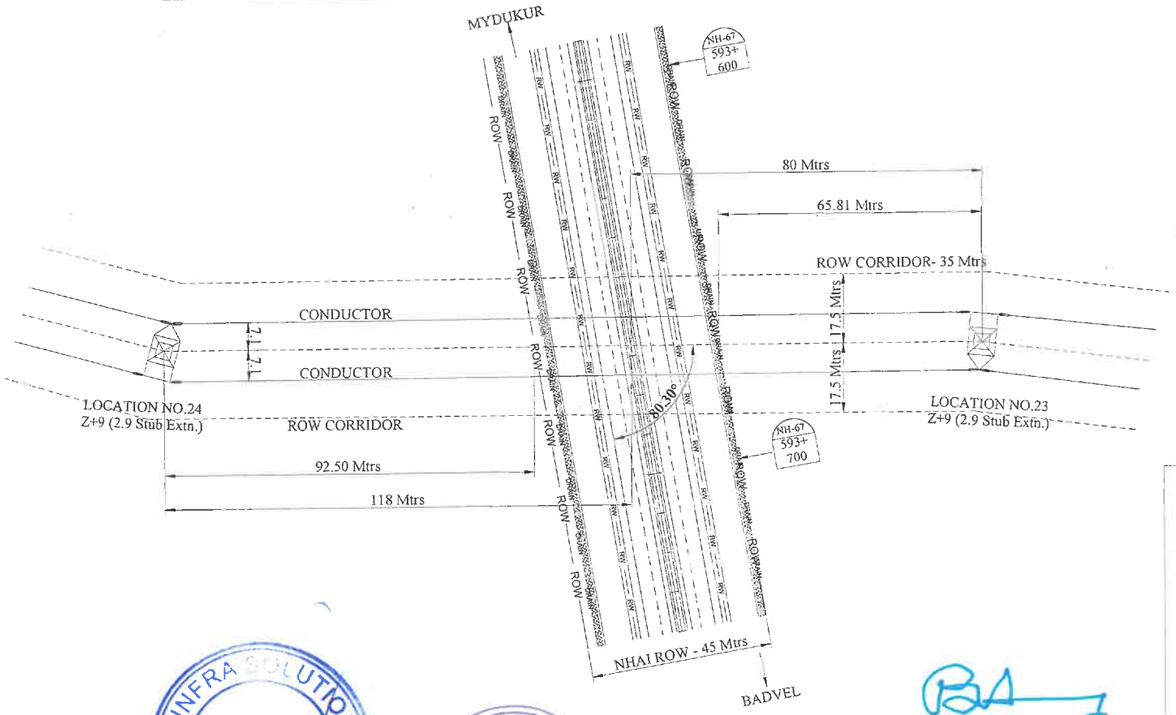
(A GOVERNMENT OF ANDHRA PRADESH UNDERTAKING & AN ISO 27001-2022 CERTIFIED COMPANY)

AP TRANSCO
ISO 27001 - 2022

DETAILED DRAWING OF OVER HEAD CROSSING OF 220KV TALAMANCHIPATNAM - MYDUKUR - PORUMAMILLA DC LINE BETWEEN KM 593+600 & 593+700 OF MYDUKUR - BADVEL NH - 67 SECTION







SAG TENSION CALCULATIONS

1). Conductor Name	ACSR MOOSE CONDUCTOR
2). Conductor Diameter	3.177cm.
3). Conductor Cross Section Area	5.97 cm2
4). Conductor Unit Weight	2.004 Kg./M.
5). Sag Tension (For Hot Curve)	2718.00 Kg.
6). Sag Tension (For Cold Curve)	4777.00 Kg.
7). Normal Span (Ruling Span)	300 Mtr.
8). Maximum Sag (@ 75°Temperature, Still Air)	9.234 Mtr.
9). Ground Clearance	7.34 Mtr + (Including Sag Error)

GLOBAL INFRA SOLUTIONS
Team Leader
67

SATHWIK PROJECT'S PVT. LTD.

PROJECT DIRECTOR
NHAI, P.I.U. KADAPA.

EXECUTIVE ENGINEER
CONSTRUCTION/APTRANSCO
KADAPA.

CERTIFICATE

1. THE STRUCTURES, FOUNDATIONS, CONDUCTORS AND OTHER MATERIALS UTILIZED FOR THE CROSSING ARE DESIGNED TO GIVE THE REQUIRED FACTOR OF SAFETY AS STIPULATED IN THE REGULATIONS FOR ELECTRICAL CROSSINGS OF NATIONAL HIGHWAYS UNDER THE WORST CONDITIONS.
2. ALL MATERIALS COMPLY WITH IS/B.S SPECIFICATIONS.
3. THE CROSSING WILL COMPLY WITH THE TERMS AND CONDITIONS SPECIFICATION OF AGREEMENTS/MEMOS OF TERMS AND REGULATIONS GOVERNING THE PLACING OF ELECTRICAL TRANSMISSION LINES ACROSS THE NATIONAL HIGHWAYS.
4. THE CROSSING WILL ALSO COMPLY WITH INDIAN ELECTRICITY ACT 1910 AND RULES FRAMED THERE MODIFICATION.
6. THE EQUIPMENT PROVIDED IS DESIGNED WITH THE OBJECT OF MINIMUM DANGER IN THE EVENT OF BREAKAGE/FAULT AND IN ACCORDANCE WITH RECOGNIZED MODERN ENGINEERING PRACTICE.

AP TRANSCO

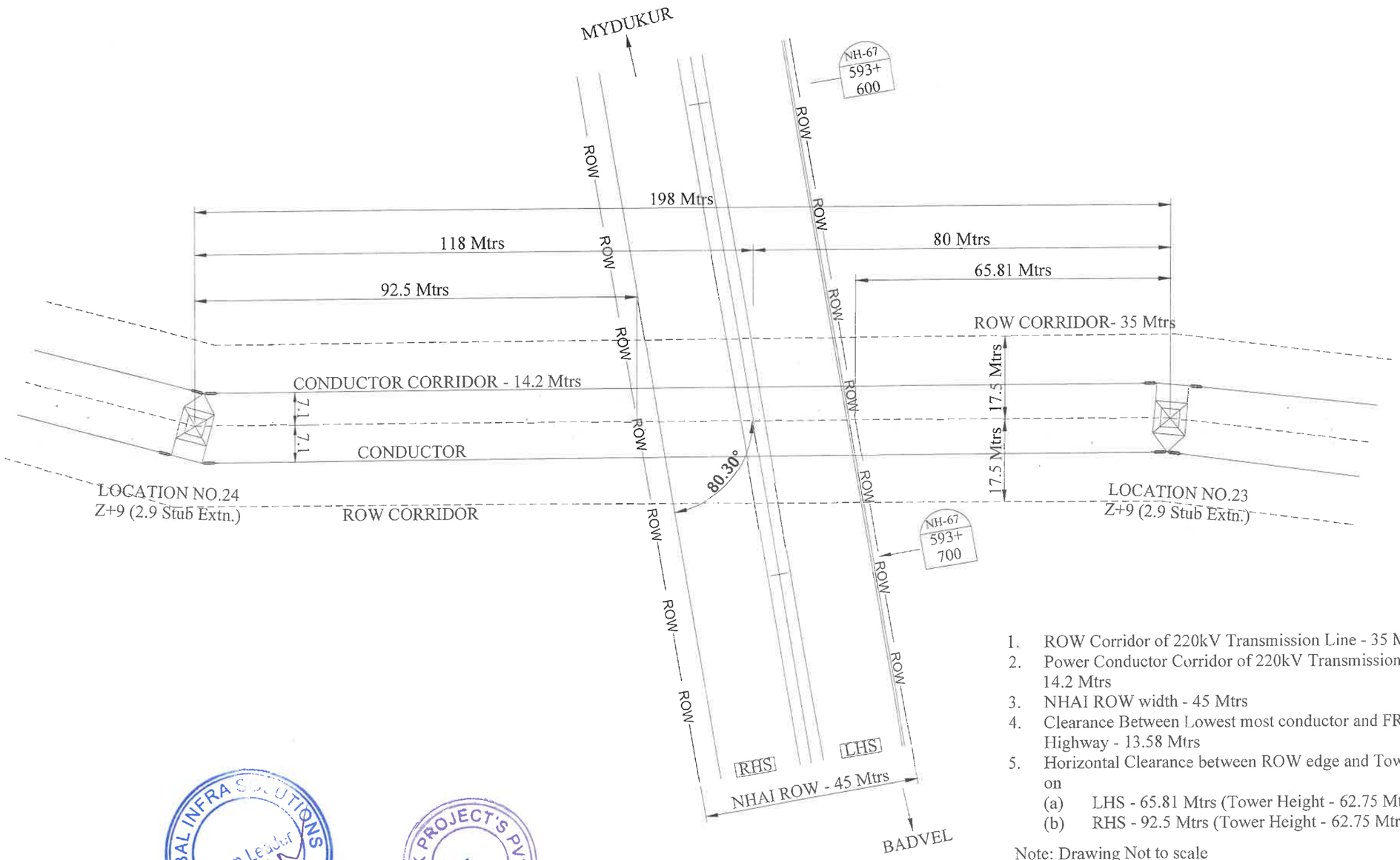
PROJECT:
SUPPLY, ERECTION, TESTING AND COMMISSIONING OF OF SINGLE LILO OF EXISTING 220KV JAMMALAMADUGU- PORUMAMILLA DC LINE TO EXISTING 220KV SS MYDUKUR ON MULTI CIRCUIT TOWERS IN Y.S.R KADAPA DISTRICT.

TITLE:-
DETAILED DRAWING OF OVER HEAD CROSSING OF 220KV TALAMANCHIPATNAM - MYDUKUR - PORUMAMILLA DC LINE BETWEEN KM 593+600 & 593+700 OF MYDUKUR - BADVEL NH - 67 SECTION

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

(A GOVERNMENT OF ANDHRA PRADESH UNDERTAKING & AN ISO 27001-2022 CERTIFIED COMPANY)

SINGLE LINE DRAWING OF OVER HEAD CROSSING OF 220KV TALAMANCHIPATNAM - MYDUKUR - PORUMAMILLA DC LINE BETWEEN KM 593+600 & 593+700 OF MYDUKUR - BADVEL NH - 67 SECTION



1. ROW Corridor of 220kV Transmission Line - 35 Mtrs
2. Power Conductor Corridor of 220kV Transmission Line - 14.2 Mtrs
3. NHAI ROW width - 45 Mtrs
4. Clearance Between Lowest most conductor and FRL of Highway - 13.58 Mtrs
5. Horizontal Clearance between ROW edge and Tower Centre on
   - (a) LHS - 65.81 Mtrs (Tower Height - 62.75 Mtrs)
   - (b) RHS - 92.5 Mtrs (Tower Height - 62.75 Mtrs)

Note: Drawing Not to scale
All Dimensions are in Meters

GLOBAL INFRA SOLUTIONS Team Leader

PROJECT'S PVT. LTD.

EXECUTIVE ENGINEER
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