



Bid Specification No.: PMMTC1-e- 11/2026

**REQUEST FOR PROPOSAL (RFP)-2026 FOR
LEASING OF DARK FIBRES OF OPGW LAID ON EHT LINES OF APTRANSCO
IN EARSTWHILE 13 DISTRICTS OF ANDHRA PRADESH BY CONDUCTING
FORWARD AUCTION:**

S. No.	District	No. of Line sections	Total fiber length in KMs
1	Anantapur	67	2515.095
2	Kurnool	52	2385.67
3	Kadapa	56	2161.23
4	Chittoor	56	2120.64
5	Prakasam	38	1662.65
6	Nellore	39	1796.46
7	Guntur	47	1881.10
8	Krishna	32	997.25
9	West Godavari	50	1552.50
10	East Godavari	47	1003.65
11	Visakhapatnam	64	2039.71
12	Vizianagaram	16	362.99
13	Srikakulam	13	532.015
	Total	577	21010.96

**CHIEF ENGINEER / TELECOM & IT, APTRANSCO,
Vidyut Soudha, Vijayawada-520 004**

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Extn. 2013 / 2015
Website : www.bharat-electronictender.com**



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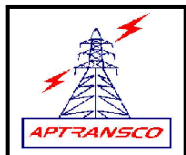
VOLUME – I

SCOPE:

NOTICE INVITING TENDER (NIT)

1.	Department Name	TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED
2.	Circle / Division Name	Chief Engineer / Telecom & IT
3.	Bid Notice/Specification No.	PMMTC1-e- 11/2026
4.	Bid Subject	LEASING OF DARK FIBERS OF OPGW LAID ON EHT Lines of APTRANSCO IN ANDHRA PRADESH
5.	Estimated Contract Value	<p>i. Dark Fibers Lease Charges: Minimum Lease rate Rs.65342.21 per fiber pair per KM per annum (excluding GST) in the first financial year.</p> <p>ii. The minimum co-location charges is Rs. 3,66,923.20 for one terminal equipment per location per annum (excluding GST) in the first financial year and with a rate of escalation @ 5% per year in subsequent financial years.</p> <p>iii. Minimum maintenance charge for OPGW cable is Rs.3659.46 per fibre pair per KM per annum (excluding GST) in the first financial year and with a rate of escalation @ 5% per year in subsequent financial years.</p> <p>iv. Dark Fibre Tapping charges is Rs.500000/- at the Splice location in the mid span between two substations / Pair (One Time Charges).</p> <p>v. Minimum Fibre pair length requirement is 200 Fiber pair per KM.</p>
6.	Period of Lease	Annual Lease basis is a minimum of 5 years <u>or 10 years as per the convenience of the bidder. In case of 10 years, the lease charges will be renewed on completion of 5 years as per the APTRANSCO prevailing rates based on the latest RFP.</u> The lease can be renewed on mutually agreed terms and conditions for a further period of 5 years. <u>APTRANSCO's decision is the final for further extension of the agreement.</u>
7.	Form of Contract	Single package
8.	Bid Type	Open and two-part Bidding
9.	Bid Category	LEASING OF DARK FIBERS
10.	Bid Processing Fee (Non-Refundable)	Rs.50,000/-in the form of Demand Draft on Nationalized bank / Scheduled bank payable at Vijayawada in favour of Pay officer, APTRANSCO, Vijayawada. The Bid processing fee shall be submitted in the Office of the Chief Engineer / Telecom & IT, APTRANSCO / Vidyut Soudha, Vijayawada before the Bid submission date
11.	Bid Security (EMD) Payable to	(5% of base lease rate i.e., Rs. 65342.21 * No. of fiber pair KMs quoted) should be submitted as Bank Guarantee in favor of the Chief Engineer / Telecom & IT, APTRANSCO, Vidyut Soudha, Gunadala, Vijayawada-04 or Online money transfer through NEFT/RTGS. EMD ONLINE PAYMENT: Bidders can pay EMD online

		<p>payment through RTGS / internet banking in beneficiary name Pay officer, APTRANSCO A/C No. 52117469736 IFSC code SBIN0016576, SBI branch address: Specialized Mid Corporate Branch, Ramavarapadu Ring Road, Vijayawada. Bidder shall indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the online payment transfer along with bid.</p> <p>Bid security amount should not be less than Rs. 653422/-</p>
12.	Performance BG	10% Bank Guarantee on the contract value should be submitted by successful bidders in favour of Chief Engineer / Telecom & IT, APTRANSCO, Vidyut Soudha, Gunadala, Vijayawada – 04.
13.	Schedule Available Date & Time	11.03.2026 & 9:00 PM
14.	Pre bid meeting Date & Time	18.03.2026 & 11:30 AM
15.	Pre-Bid queries clarification Date	31.03.2026 & 5:00 PM
17.	Bid Submission closing Date & time	10.04.2026 & 11:00 AM
18.	Bid Submission	<u>Online</u>
19.	PQ / Technical Bid Opening Date (Qualification and Eligibility Stage)	10.04.2026 & 3:30 PM
20.	Price Bid Opening Date & Time	Will be opened online
21.	Place of Bid Opening	Office of the Chief Engineer / Telecom & IT, Vidyut Soudha, Gunadala, Vijayawada – 520004.
22.	Officer Inviting Bids	Chief Engineer / Telecom & IT / APTRANSCO
23.	Address	1st floor, Vidyut Soudha, Gunadala, Vijayawada – 520004.
24.	Contact Details	<p>PHONE: 0866 - 2429244 Mobile No. 9440817073 (Technical), 9440817062, 9491008564 (Tender) Email: cetel_aptransco@yahoo.com</p>
25.	General Terms & Conditions.	Bid Notification – APTRANSCO Bid Spec. No. PMMTC1-e-11 /2026.



VOLUME – II

1. INTRODUCTION:

APTRANSCO is holder of Infrastructure Provider Category-1 (IP-1) Registration with certificate No.70/2003 Dated 21.11.2003 from DoT (Department of Telecommunication) to establish and maintain the assets such as Dark Fibres, Right of Way, Duct Space and Tower for the purpose to grant on lease / rent / sale basis to the licensees of Telecom Services licensed under Section 4 of Indian Telegraph Act, 1885.

2. BACKGROUND

Overview of OPGW connected Communication Network of APTRANSCO.

APTRANSCO has installed Optical Ground Wire (OPGW) on majority of EHT lines under various projects like Unified Load Dispatch & Communication project, Microwave replacement project and various Transmission projects under System Improvement. APTRANSCO now have a total optical fibre network over 20,000 KMs in the existing APTRANSCO Transmission Grid network consisting of EHT lines of 400 kV, 220 kV, 132 kV levels and their corresponding sub-stations all over Andhra Pradesh state. APTRANSCO laid 24 fibres in the deployed OPGW network. Out of which,

- i. Certain fibres are being utilized for APTRANSCO's own Communication network.
- ii. Few fibres are being utilized for real-time telemetry / ERP purposes of APTRANSCO,
- iii. Remaining dark fibres of the OPGW network as per Annexure – I have been proposed for leasing out along the route length of over 20,000 KMs.

In line with the National Telecom Policy, APTRANSCO has initiated this spare dark fibre leasing business by leasing out the existing Optical Fibres Communication (OFC) network.

OPGW Section-wise details are placed under the head 'Technical details of the OPGW connected Grid sub-stations and Transmission links' in **Annexure- I** along with the communication Network diagram of APTRANSCO.

Not in use, spare fibres are readily available for use by the bidder to whom the same are required.

However, APTRANSCO reserves its right to use the above spare fibres in case such need arises. In such case, APTRANSCO may withdraw the leased-out spare fibres subject to **three months advance notice**.

The APTRANSCO invites bids on Bharat Electronic Tender (BET) Portal in two parts from the interested parties to quote their highest leasing price per fibre pair per KM per annum **for leasing for minimum of 5 years (with renewal period of 5 years of lease with APTRANSCO prevailing lease rates) for a minimum of 200 KMs of OPGW dark fiber for a minimum of one (1) fibre pair (Two fibres) and maximum based on the availability of fibre pairs as per Annexure-I** in the sections of the offered spare fibres on commercial (as passive infrastructure) basis. Applicants shall ensure that they meet the Eligibility Criteria as defined in Para (3) of Volume II, given below.

The OPGW cable laid on EHT lines in all the old 13 districts as follows with an approximate length of OPGW:

S. No.	District	No. of Line sections	Total fiber length in KM
1	Anantapur	67	2515.095
2	Kurnool	52	2385.67
3	Kadapa	56	2161.23
4	Chittoor	56	2120.64
5	Prakasam	38	1662.65
6	Nellore	39	1796.46
7	Guntur	47	1881.10
8	Krishna	32	997.25
9	West Godavari	50	1552.50
10	East Godavari	47	1003.65
11	Visakhapatnam	64	2039.71
12	Vizianagaram	16	362.99
13	Srikakulam	13	532.015
	Total	577	21010.96

*Note: The above line sections may vary based on enhancements to the network

The actual length of the dark fibre for a line section will be recorded as per the measurement of dark fibre with OTDR. These OTDR readings will be considered for arranging final length of the dark fibre. The Optical Fibres, complies of ITU-G-652 grade. Leasing-in of Optical Dark Fibres on OpticalFibre Ground Wire (OPGW) construction is in tune with the industry standard.

The testing standards for the fibres on OPGW and the related activities are given below:

- After end-to-end (Substation A to Substation B) connectivity on dark fibres, bi-directional span testing will be done.
- Fibre loss measurements at 1310 nm / 1550 nm will be measured using an industry accepted laser source and power meter. End-to-end testing will be done on leased dark fibres.
- Losses on fibre shall be maintained as per the norms given in SLAs.
- All OPGW cables have joint enclosure boxes for every 3 km length and maximum of 5 KM length based on field conditions.

The actual co-location charges towards space and power in the substation where lease holder keeps their active equipment has to be paid with 5% year-on-year escalation for subsequent 5 years. The minimum co-location charges to be paid in the first year is **Rs. 366923/-** (excluding taxes) per location per annum.

A separate sub-meter has to be fixed by the bidder for calculating the power consumed by the bidder, if the co-location is required.

The tapping of dark fibers will be allowed either at the APTRANSCO substation locations through the FODP (Fiber Optic Distribution Panel) at Communication rooms attached to APTRANSCO substations or at the splice box locations on the specified OPGW line sections near to the sub-lease holder location acceptable to APTRANSCO to avoid OPGW route length losses. The final decision for providing dropouts at various locations will be taken by APTRANSCO.

3. ELIGIBILITY CRITERIA FOR LEASEHOLDER:

i) The Bidders / Firms should be

- a) The bidder must be an Internet Service Provider / Unified License with (ISP) or NLD Authorization / Mobile Network provider / Telecom operator / other Company having its own telecom network and possess a valid Telecom License / permission / clearance from the concerned Licensing Authority i.e., Dept. of Telecom (DoT), Govt. of India for the intended telecom business envisaged by utilizing APTRANSCO dark fibres. The bidder has to submit document in support of the same.
- b) Priority shall be given to Telecom service providers having experience in Telecom Network operations, however, firms with IP-1 registration issued by DoT, Govt. of India shall be considered as eligible bidder.
- c) The bidder should possess valid GST & PAN registration.
- d) Not blacklisted, debarred, or suspended by the Government (Central / State / PSU / Any other Govt. Agency) for whatever reason, prohibiting them not to continue in the contracting business.
- e) Self-Declaration by the bidder stating that the OPGW leased shall be utilized for providing services to data centers, FTTH / IPTV, etc. (As per Format-13).

ii) Financial

The bidders are required to furnish the following documents (commercial & technical) to assess the capacity and capability of the bidder.

- a. Certificate of incorporation
- b. CA Audited balance sheet and profit & loss account for last 3 financial years starting from 2023-24, 2024-25 & 2025-26 (up to 28.02.2026).
- c. Average Annual Turn Over of the bidder shall be **2.5 Crores** in the past 3 financial years i.e., 2023-24, 2024-25 & 2025-26 ending with 28.02.2026.
- d. Average Net worth of the bidder shall be positive in the past 3 financial years i.e., 2023-24, 2024-25 & 2025-26 ending with 28.02.2026.
- e. The bidder has to furnish the documents in support of experience with at least 1 year in providing telecom services or having telecom network for its use.

If any bidder does not fulfill the above (i), (ii) conditions, his / their BID will be disqualified.

4. Schedule of Requirements:

The schedule of requirement is given in the SECTION – I

5. Procedure for bid submission

- i) The Bids should be in the prescribed form, which can be obtained from Bharat Electronic Tender (BET) Portal from the date of electronic publication up to the time and date indicated in the Bid notice. The intending bidders would be required to enroll themselves on the Bharat Electronic Tender (BET) Portal. Those contractors who register themselves in the Bharat Electronic Tender (BET) Portal market place can download the Bid schedule free of cost. The bidder shall authenticate the bid with his digital signature certificate (DSC) for submitting the bid electronically on Bharat Electronic Tender (BET) Portal **and the bids not authenticated by Digital Signature Certificate (DSC) of the bidder will not be accepted on the BET platform** the following is to be contacted.

In case of consortium, the lead Partner can enroll on the BET portal.

- ii) Intending bidders can contact office of the APTRANSCO for any clarification / information on any working day during working hours.
- iii) The bidders who are desirous of participating in BET portal shall submit their technical bids price-bids etc., in the standard formats prescribed in the Bid documents, displayed at e-market place. The bidders should invariably upload, all the documents mentioned in the Check List, in the e-market place in support of their eligibility and qualifying requirements. The bidder should load scanned copies of all relevant certificates. The bidder shall sign on all the statements, documents, certificates, uploaded by him, owning responsibility for their correctness / authenticity.
- iv) Technical bid evaluation of the bidders would be done on the basis of certificates/ documents furnished by the bidder against the qualification criteria as per Clause 3(i) and (ii).
- v) The Bidders shall invariably upload the scanned copy of Bid Security. The successful bidder shall furnish the original of the same either personally or through courier or by post within the stipulated time specified by the APTRANSCO.
- vi) The bidder shall invariably furnish the following securities / payments while quoting the bid as per NIT (Volume-I) either personally or through courier or by post and the receipt of the same within the stipulated time shall be responsibility of the bidder. Department will not take any responsibility for any delay or non-receipt.
- a) The Original BID SECURITY in the form of BG or Online Payment.
 - b) The bidder shall furnish original of all documents / certificates / statements uploaded by him whenever asked by the APTRANSCO.
 - c) The bidder shall furnish their company brochures, technical write-ups and printed materials if any.
 - d) Price bid shall be quoted only on BET platform.
- vii) The bidder shall furnish the declaration that:
- a) They have not been black listed in any Govt. department/undertaking or power utility due to any reason as indicated Format -13 given in the sample formats.
 - b) They have not been demoted to lower category in any Govt. department / undertaking or power utility for not filing the Bids after buying the Bid schedules in a whole year and their registration have not been cancelled for a similar default in two consecutive years.
 - c) They will agree to get disqualified themselves for any wrong declaration in respect of the above and get their Bid summarily rejected.

- d) The soft copies uploaded by them are genuine. Any incorrectness / deviation noticed will be viewed seriously and apart from cancelling the work duly forfeiting the Bid security, criminal action will be initiated including suspension of business and/ or black listing.
- (viii) If any successful bidder fails to submit the original hard copies of uploaded certificates / documents, BG towards EMD with in the stipulated time, if any variation is noticed between the uploaded documents and the hard copies submitted by the bidder, the successful bidder will be suspended from participating in the tenders on BET platform for a period of 3 years. The BET system would deactivate the user ID of such defaulting successful bidder based on the trigger / recommendation by the Tender Inviting Authority in the system. Besides this, the department shall invoke all processes of law including criminal prosecution of such defaulting bidder as an act of extreme deterrence to avoid delays in the tender process for execution of the development schemes taken up by the Government. The information to this extent may be displayed in the BET platform website. Further their Bid Security will be forfeited.

6. General Terms and Conditions:

- i) Bids are invited on the BET platform for the above-mentioned scope, from the firms eligible.
- ii) BID SECURITY amount (5% of base lease rate i.e., Rs.65342.21 * No. of fiber pair KMs quoted) should be paid online on the BET platform. **Bid security amount should not be less than Rs. 653422/-**
- iii) BID SECURITY in the form of online payment or BG payable at Vijayawada issued from any Nationalized / Scheduled Bank, Vijayawada to be valid for a period of 60 days over and above the validity of bid for 180 days period i.e., 240 days from the date of bid opening. Scanned copy of BG / Online payment receipt towards BID SECURITY shall be uploaded with the bid's originals must be submitted by successful bidder to APTRANSCO through registered post / courier / in person before the bid submission date/before placing order. Demand drafts as bid security are not accepted.
- iv) Bid Processing Fee: Bidder shall submit a **bid processing fee in the form of Demand Draft on Nationalized bank / Scheduled bank payable at Vijayawada in favour of Pay officer, APTRANSCO, Vijayawada for an amount of Rs.50,000/- (Non-Refundable) before the bid submission date.**
- v) Bid schedules: Bid schedule can be downloaded free of cost from the web site www.bharat-electronictender.com
- vi) The bidder is subject to be disqualified, if he is found to have mislead or furnished false information in the Forms / Statements / Certificates submitted in proof of qualification requirements and any record of abandoning of work, not fulfilling contractual obligations in earlier contracts, inordinate delays in completion of works, litigation history, financial failures or participating in the previous Bidding for the same work and quoting unreasonably low price.
- vii) Even while execution of the contract, if it is found that the bidder had produced false/fake certificates of experience, he will be black listed and the contract will be terminated and his Bid security will be forfeited and contract will be carried out through other agency at his cost and risk.
- viii) **a. Transaction fee: Not applicable**
b. Corpus Fund: Not applicable.
- ix) In case of discrepancy with Bid conditions in the Bid document and NIT, the condition in the Bid document prevails.

x) **Note:**

- a. Any other condition regarding receipt of Bids in conventional method appearing in the Bid documents may please be treated as not applicable.
- b. The firm is to upload the information preferably in Zip format. Improper uploading documents/certificates (i.e., not possible to download) shall not be taken into consideration.
- c. The firm should upload the documents duly signing each and every paper.

7. **INSTRUCTIONS TO BIDDERS**

The **Chief Engineer/ Telecom & IT, APTRANSCO** invites bids on e-platform in two parts for the leasing of the dark fibers indicated in the “Schedule of Requirements” during the period, for which dates and time specified in the Notice Inviting Tender (NIT), and will be opened by (him) or his nominee at the Office on the date and time mentioned in the NIT.

- i) The intending Bidders required to enroll themselves on the ‘e’-procurement market place at www.bharat-electronictender.com
- ii) The Bids should be in the prescribed available on BET platform that can be downloaded free of cost from the website www.bharat-electronictender.com
- iii) The dates stipulated in the Bid notice i.e. NIT are firm and under any circumstances they will not be relaxed unless officially changed.
- iv) The Bidder should upload scanned copies as specified in checklist and all enclosures required for the schedules and Appendices. Bidders should produce the original of Bid Security and all other documents for verification, if asked by the Competent authority within 3 (Three) days.
- v) **Transaction fee:** Not applicable.
- vi) **Corpus Fund:** Not applicable.
- vii) The successful Bidder is expected to lease the Dark Fibers for a minimum period of five (5) years and maximum up to fifteen (15) years with renewal period of 5 years as specified in the NIT/ Schedule of Requirement.

8. **Mandatory Requirements of the Bidders**

- i) The Bidder shall furnish the following particulars in the formats provided online and supported documentary evidence shall be uploaded: Attested copies of documents relating to the Registration of the firm, Articles of Association, GST Registration, Latest Income Tax Clearance certificate / Latest IT return and PAN number from IT Department etc.
- ii) **Technical Expertise:** To respond to this criterion, submit the required experience details in form of experience certificate Format – 15, as a part of the document to be submitted.

A search may be undertaken to verify that an applicant is a bona-fide registered company or business. Applicants may be required to provide evidence of the legal entity by providing a copy of an official document such as:

1. Company / Firm registration
2. Any registration document viz., GST, Work license for execution of the works under the scope.

In case of consortium Lead partner and other consortium partners should submit all the documents mentioned as above. In respect of Consortium Partners consortium agreement shall be submitted.

- iii) The Bidders should full fill all the qualifying requirements of the technical bid for opening of the price bid.
- iv) Even though the Bidders meet the above qualification requirements, they are liable to be disqualified / debarred / suspended / blacklisted if they have:
 - a) Furnished false / fabricated particulars in the forms, statements and/annexures submitted in proof of the qualification requirements and/or,
 - b) Not turned up for entering into agreement, when called upon within the time specified in the Letter of Acceptance (LOA).
 - c) Litigation history or financial failures etc.
 - d) Participated in the previous bidding for the same work and had quoted unreasonably low price.
 - e) A history of criminal record in which the Bidder is involved if any.
 - f) History of litigation with Govt. during the last 5 years in which the Bidder is involved.
 - g) Bidders should specifically indicate whether their firm has been banned/blacklisted/debarred by any Govt. department/undertaking or any power utility for non-performance/malpractice or due to any reason. Bids of bidders who are banned/black-listed/debarred will be treated as non-responsive

h) **One Bid per Bidder**

Each Bidder shall submit only one Bid. A Bidder who submits more than one Bid will cause dis-qualification of all the Bids submitted by the Bidder.

i) **Cost of Bidding**

The Bidder shall bear all costs associated with the preparation and submission of the Bid and the Bid inviting authority will in no case be responsible and liable for those costs.

9. Clarification of Bidding Documents

Clarification of Bidding Documents: A prospective Bidder requiring any clarification of the bidding documents may notify the APTRANSCO in writing or by e-mail at the APTRANSCO's address. The APTRANSCO will respond in writing / email to any request for clarification of the bidding documents, which it receives not later than fifteen (15) days prior to the deadline for the submission of bids. Written copies of APTRANSCO's response (including an explanation of the query but without identifying the source of enquiry) will be put on BET platform.

10. Amendment to Bidding Documents

- i) At any time prior to the deadline for submission of bids, the APTRANSCO, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents through an amendment.
- ii) All such amendments also would be made available on the **BET** platform/ website of APTRANSCO and such amendments will be binding to all the prospective Bidders.
- ii) In order to allow prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, the APTRANSCO, at its discretion, may extend the deadline for submission of the bids.

11. PREPARATION OF BIDS

i) **Language of Bid**

The bid prepared by the Bidder including all correspondence and documents relating to the bid exchanged by the Bidder and the APTRANSCO, will be in English.

iii) **Cost Associated with Bidding**

The Bidder will bear all costs associated with the preparation and submission of its bid, and the APTRANSCO, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

~~iv) Bidders have to pay a transaction fee @ 0.03% of Quoted value with a cap of Rs.10000/- for all leased links with Quoted value up to Rs.50.00 Crore and Rs.25,000/- for all the leased links with Quoted value above Rs.50.00 Crore, at the time of bid submission electronically.~~

~~v) Transaction Fee & other charges shall be paid by either through Credit Card or Debit Card.~~

vi) Bidders have to pay 'GST' as levied by Government of India on transaction fee, electronic payment gateway charges.

vii) ~~Successful bidders shall pay 0.04% of Quoted value to APTS towards BET fund. Bidders shall obtain digital certificates from APTS.~~

12. Documents Constituting the Bid

i) The Bid comprises the following.

(a) Technical Bid

(b) Price Bid [Available online at www.bharat-electronictender.com]

ii) Mandatory requirements and supporting documents [to be uploaded by the Bidder]

Documentary evidence establishing the bidder's eligibility as per Volume-II, clause - 3(i) & (ii). The Bidder should submit the technical and commercial bids in complete form without any deviations on BET platform.

13. Bid Prices

i) The prices quoted shall be FIRM.

ii) **Variable** prices & Price Variation is not applicable.

14. Taxes

i) A bidder will be entirely responsible for quoting the correct taxes, license fees, etc., he/Firm has to incur until completion of the contract. For the purpose of evaluation, the bidder should clearly indicate the IGST (in case of local Firm's applicable CGST+SGST) and any other taxes and levies payable in the respective columns provided in the Commercial form on BET platform. Failure to furnish the details as prescribed in the price schedule will be loaded as indicated in the evaluation criteria.

ii) If the rates of statutory levies assumed by the Bidder are less than the actual rates prevailing at the time of bidding, the APTRANSCO will not be responsible for such errors. If the rates of statutory levies assumed by the Bidder are later proved to be higher than the actual/ correct rates prevailing at the time of bidding, the difference will be passed on to the credit of the APTRANSCO.

15. Statutory Variations

Any variation up or down in statutory levy or new levies introduced after **Tender calling date** under this specification will be to the account of APTRANSCO provided that in cases where contract period is not adhered to by the Firm and there are upward variation/ revision after the agreed contract period, the Firm will bear the impact of such levies and if there is downward variation / revision the APTRANSCO will be given credit to that extent.

Any statutory levies (example GST or any other levies if introduced) shall be paid to the Government.

Prices to be quoted and paid in Indian Rupees Only.

16. Quantity to quote

Bidders are free to choose their route and bid accordingly. However, bidder should note that the **overall KMs should not be less than 200 KMs of OPGW cable for a minimum of one (1) fibre pair (Two fibers)** otherwise the bid will be out rightly rejected.

17. Bid Security

- i) The bidder shall furnish Bid Security, as mentioned in Volume – I (NIT). The bidders shall furnish scanned copy of B.G or online payment receipt as per the proforma attached should invariably uploaded along with the bids.
- ii) Existing permanent bid security and existing exemptions for bid security have been withdrawn hence will not be accepted.
- iii) **Submission of bid security by way cheque, DD, cash, money order, call deposit, existing permanent bid security and existing exemptions for bid security will not be accepted and will be considered as disqualification.**
- iv) **Requests for exemption from payment of bid security will not be entertained in any case.**
- v) **Any bid without Bid security will be rejected by the APTRANSCO.**
- vi) The successful bidder's bid security in original shall be furnished, before issuing LOA and the same will be discharged after the award of contract.
- vii) **The Bid Security may be forfeited if a Bidder:**
 - A. Withdraws its bid or alters its prices during the period of bid validity specified by the Bidder, or
 - B. Does not accept the correction of errors pursuant to Clause No.24 (ii) or
 - C. In the case of a successful Bidder, if the Bidder fails to sign the contract in accordance with Clause No.4 of Contract Agreement section in Volume-II.
- viii) Bids without Bid Security will be rejected and bidder will run the risk of being banned.

18. Period of Validity of Bids

- i) Bids will remain valid for the period of **one Hundred Eighty (180) days** from the date of bid opening prescribed by the APTRANSCO. A bid valid for a shorter period will be rejected.
- ii) In exceptional circumstances, the APTRANSCO may solicit the Bidder's consent to an extension of the period of validity. The request and the responses there to will be made in writing (or by e-mail). The Bid Security Bank Guarantee provided under Sl. No 11 of NIT shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid Security.

19. Performance Security

The successful Bidders shall have to submit a Performance Security at 10% Bank Guarantee Payment on the one year contract value in favor of the Chief Engineer / Telecom & IT / APTRANSCO / Vidyut Soudha / Gunadala, Vijayawada within 30 days from the date of issuance of the Letter of Award (LoA). Extension of time for submission of Performance Security beyond 30 days and up to 60 days from the date of issue of LoA may be given by APTRANSCO, who is competent to sign the contract agreement. However, a penal interest of 15% per annum shall be charged for the delay beyond 30 days, i.e., from the 31st day after the date of issue of LoA. In case the Bidder fails to submit the requisite Performance Security even after 60 days from the date of issue of LoA, the contract shall be terminated duly forfeiting BID SECURITY and other dues, if any payable against the contract. The failed Bidder shall be debarred from participating in a re-tender for that work.

The Performance Security shall be submitted by the successful Bidder after the LoA has been issued, but before signing of the contract agreement. The agreement should normally be signed within 15 days after the issue of LoA and the Performance Security shall also be submitted within this time limit. This Performance Security shall be initially valid up to the stipulated date of completion plus 60 days beyond that. In case, the time limit for completion of work gets extended, the contractor shall get the validity of Performance Security extended to cover such extended time for completion of work plus 60 days.

The value of Performance Security to be submitted by the Bidder will not change for variation up to 25% (either increase or decrease). In case during execution, the value of the contract increases by more than 25% of the original contract value, an additional Performance Security amounting to 5% (five percent) for the excess value over the original contract value shall be deposited by the Bidder.

The Performance Security shall be released after the physical completion of the work based on the 'completion certificate' issued by the competent authority stating that the Bidder has completed the work in all respects satisfactorily. The security deposit shall, however, be released only after the expiry of the defect liability period and after passing the final bill on 'No Claim Certificate' from the contractor.

Whenever the contract is rescinded, the security deposit shall be forfeited and the Performance Security be encashed. The balance work shall be got done independently without risk and cost of the failed Bidder; the failed Bidder shall be debarred from participating in the tender for executing the balance work. If the failed Bidder is a JV or a partnership firm, then every member/ partner of such a firm shall be debarred from participating in the tender for the balance work in his/ her individual capacity or as a partner of any other JV/ partnership firm.

The Bank Guarantee should be from a Nationalized/Scheduled Commercial Bank acceptable to APTRANSCO, in the format prescribed in this RFP, payable on demand, for the due performance and fulfillment of the Agreement by the Bidder. g. All incidental charges whatsoever such as premium, commission etc., with respect to the Performance Security shall be borne by the Bidder. The Performance Security shall be valid for 60 days post contract period as per RFP. However, no interest shall be payable on Performance Bank Guarantee.

20. Tax Clearance Certificates

Copies of Income Tax and Turnover Tax certificates for the latest 3 years (**2022-23, 2023-24 & 2024-25**) period from the appropriate authority will invariably be enclosed to the bid. In the case of proprietary or partnership firm, it is necessary to produce the certificate/ certificates for the proprietor or proprietors and for each of the partners as the case may be. If the Bidder has already produced the certificate during the calendar year in which the bid is made, it will be sufficient, if particulars are given.

21. Price bid

- a) The rates should be quoted in the attached Format-2 in volume-II of sample forms separately for each area. The rates are to be quoted for fiber pair per KM per Annum basis. The rates quoted shall be in Indian currency only. Quotations in any other currency shall be rejected. The column 'Total' should also be correctly filled in.
- b) The Final prices quoted after conducting forward auction and other conditions specified in the Tender have to be considered as firm for acceptance **for a minimum period of five (5) years**

from the date of agreement for the line sections quoted in this RFP only. Offers with lesser validity are liable to be rejected.

- c) Successful Bidders finally selected will be invited to enter into agreement to this effect. **Leasing of fibers shall be through a Lease Agreement to be signed between the Party, hereinafter referred to as Lessee holder and APTRANSCO.**

22. SUBMISSION OF BIDS

i) Procedure for Submission of Bids

- a) Bids should be in the prescribed form, which can be obtained from 'BET' platform from the date of electronic publication up to the time and date indicated in the Bid notice. The intending bidders would be required to enroll themselves on the 'BET' portal www.bharat-electronictender.com those bidders who register themselves in the BET can download the Bid specification and the Bid schedules. The bidder shall authenticate the bid with his digital certificate for submitting the bid electronically on BET platform and the bids not authenticated by digital certificate of the bidder will not be accepted on the BET platform following the G.O.Ms.No.6, I.T&C Department, dt. 28-02-2005.
- b) Intending bidders can contact office of the Chief Engineer / Telecom & IT, APTRANSCO, Vidyut Soudha, Vijayawada for any clarification/ information on any working day during working hours.
- c) The bidders who are desirous of participating in "BET portal" shall submit their technical bids, price bids etc., in the standard formats prescribed in the Bid documents, displayed at "e" market place. The bidders should invariably upload the all the documents, showing the check list, in the "e" market place in support of their technical bids. The bidder shall sign on all the statements, documents, certificates, uploaded by him, owning responsibility for their correctness/ authenticity.
- d) **If any bidder uploads the Bid without paying Bid security, he will be blacklisted. Similarly, if any of the certificates, documents etc., furnished by the Bidder are found to be false / fabricated / bogus, the Bidder will be blacklisted and bid security will be forfeited.**
- e) Telegraphic quotations and quotations by fax/mail will not be entertained under any circumstances. Clarification, amplifications, and / or any other correspondence from the Bidder subsequent to the opening of bid will not be entertained. The Bidders are advised to ensure that their bids are uploaded in complete shape at the first instance itself.

ii) Deadline for Submission of Bids

The APTRANSCO may, at its discretion, extend the deadline for the submission of bids by amending the bidding documents in which case all rights and obligations of the APTRANSCO and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

iii) Modification and Withdrawal of Bids

- a) No bid may be modified after the deadline for submission of bids.
- b) No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified. Withdrawal of a bid during this interval may result in the forfeiture of its Bid Security.

23. COMMERCIAL FORM:

The bidder shall complete the commercial form appropriately on BET platform. Further, the **bidders are requested to quote the Basic Price per fibre pair per KM per annum and other charges, taxes separately** in 'Basic Price' column for per KM per fibre pair per annum in BET portal.

The price bid format as PDF file should be uploaded clearly mentioning the total KMs of fibre pair requirement as per price bid format of the tender. (i.e., format-2a, 2b, 2c of volume-II).

24. OPENING AND EVALUATION OF BIDS

i) Opening of Bids by the APTRANSCO

- a) APTRANSCO will open such Bid where in the Technical and Financial requirements are found to be adequate as per qualification criteria mentioned at 3(i) and (ii), those Price Bids will only be opened.
- b) If the Technical & Financial requirements are found to be inadequate, the 'Price Bid' of such unqualified Bidders will not be opened.

25. CLARIFICATION OF BIDS

- i) During evaluation of the bids, the APTRANSCO may, at its discretion, ask the Bidder for a clarification of its Bid. The request for clarification and the response will be in writing, and no change in the prices or substance of the bid will be sought, offered, or permitted.
- ii) **"No clarifications shall be asked / entertained regarding Qualification Requirements of the Bidder. Tenders shall be evaluated with uploaded documents only in the BET website".**

26. Evaluation and Comparison of Bids

(i) Evaluation Procedure

Evaluation will be done in two stages

Stage-1: The documents submitted by all prospective bidders will be scrutinized and checked for the eligibility as per the qualifying requirements.

Stage-2: Price bids will be opened in this stage for the bidders who are qualified in stage-1 as per the eligibility / qualification requirements. Forward auction will be conducted after opening of price bid with quoted H1 rate as base price.

NOTE: The Bidders are requested to upload the break-up details of the links, the district wise, bidder wants to quote, Lease charges and AMC charges as per Format - 2a, co-location charges as per Format - 2b tapping charges as per Format - 2c, respectively without fail.

Allotment would be given to the bidder who quotes the highest amount among all prospective bidders. The advance payment for the contract value on issue of LoA shall made annually.

- i) The APTRANSCO will evaluate and compare the Technical & Financial Turnover as per clause 3(i) & 3(ii), which have been determined to be substantially responsive. In case the Technical & Financial requirements are found to be adequate such bids will be made qualified. Price Bids of the qualified bidders will only be opened subsequently.
- ii) The APTRANSCO's evaluation of a bid will take into consideration one or more of the following factors
 - a) All the bids, which are opened and considered for evaluation, will be checked for qualification requirements in respect of technical and commercial aspects. Such of the bids, which do not meet the qualification requirements, will not be evaluated further. The bid is to be checked for its conformity to the technical specification. If it does not meet the technical specification, the Bid will not be evaluated further.
 - b) The bid will be rejected for the following reasons:
 - i. Not in the prescribed form
 - ii. Insufficient Bid Security or no Proof of Bid Security
 - iii. The bidder is a vendor/Firm who is banned from further business transactions and the period of ban is still in force.
 - c) Further, the APTRANSCO will enquire from the bidder in writing for any clarification of the bid. The response of the bidder should also be in writing. However, no change in the prices or substance of the bid will be sought, offered or permitted.
 - d) Bids will be examined for completeness and for any computational errors.
 - e) Arithmetical errors will be rectified on the following basis.
 - A. Where there is a discrepancy between the one pair fiber price and total price for all fibers quoted, the one pair fiber price will prevail and the total price for number of fiber pairs quoted will be corrected accordingly.
 - B. Where there is a discrepancy between words and figures, the amount in figures will prevail.
 - C. If there is a discrepancy between the soft copy and the hard copy, the soft copy will prevail.
 - D. Failure on the part of the bidder to agree to the above corrections will result in rejection of his offer and forfeiture of his Bid Security.
 - f) It will be ensured that the required sureties have been furnished and that the documents have been properly signed.
 - g) The APTRANSCO's evaluation of a bid shall take into consideration one or more of the following factors
 - i. Deviations in payment schedule from that specified in the general terms and conditions of the contract and technical deviations.
 - ii. Other specific criteria indicated in the Bidding documents.
 - iii. The Price quoted in BET portal will only be evaluated.
 - iv. However, APTRANSCO has the discretion to select the bidder based on the number of leased links (quantity) quoted and based on the highest revenue generated to APTRANSCO.
 - v. At any cost, quoted amount should not be less than the estimated amount.
 - h) In addition, any variation up or down in taxes / new levies introduced subsequent to bid opening and before award will be considered.
 - i) The following criteria will be adopted for taxes:
 - A) It is the responsibility of the bidder to quote all taxes correctly without leaving any column unfilled. Where taxes are not applicable the bidder should enter "NA". If no tax is leviable the same may be entered as "NIL". If any column is left blank or filled vaguely like "as applicable", the same will be loaded with the maximum of the other eligible Bids.
 - B) Where there is an exemption of GST, the documentary evidence to that effect will be

enclosed by the Firm.

- j) The bidders for fiber leasing shall invariably possess the TIN No. and PAN No. and the same should be furnished for the bids above Rs.5.00 lakhs.
- k) Prior to the detailed evaluation, the responsiveness of each bid will be determined. A substantially responsive bid is one that conforms all the terms and conditions of the bidding documents without deviations. For this purpose, superscription, qualification requirement, bid security, validity, payment term, price schedule, taxes and duties will be deemed to be the critical provisions and deviations in any one of these items will be deemed to be a Bid deviation.
- l) The APTRANSCO will waive any minor informality, non-conformity or irregularity in the bid which does not constitute a leasing of fiber deviation, provided such waiver does not affect the relative ranking of any bidder. The APTRANSCO will clearly indicate in the bid specification the methodology for evaluation of bids.
 - A. Bid price, which will include all,
 - B. Deviations in payment schedule from that specified in the general terms and conditions of the contract.
 - C. Other specific criteria indicated in the Bid Specification.
- m) Any statutory variations of taxes and new levies imposed after opening of the bid and before award of the contract will be taken into consideration.
- n) Selection of bidder among the highest & equally quoted tenderers will be in the following order:
 - i) The bidder whose overall quoted prices is highest will be selected.
 - ii) In case the above is also same the tenderer whose annual turnover is more will be preferred.
 - iii) In case if more than one bidder quoted equal price for same fibre pair/fibre pairs in OPGW line sections then it will be decided based on the highest quantity (no. of KM in the state) offered by the bidder.
- o) In case if more than one Bidder quoted price for same fiber pair / fiber pairs in OPGW line, it is the sole discretion of APTRANSCO to award the work / Contract to the bidder; mere becoming of H1 (Highest quoted) bidder does not automatically entitle any rights to the bidder for award of contract. The APTRANSCO reserves the right to reject any bid / bids on account of past performance in the earlier awarded works at any stage of evaluation of the bids.

27. CONTACTING THE APTRANSCO.

- i) From the time of the bid opening till the time of contract awarding, if any Bidder wishes to contact the APTRANSCO on any matter related to the bid, it should be done so in writing.
- ii) Any effort by a Bidder to influence the APTRANSCO on its decisions for bid evaluation, bid comparison, or contract award will result in rejection of the Bidder's bid.

28. AWARD OF CONTRACT:

The APTRANSCO will award the contract to the successful Bidder(s) whose bid has been found technically qualified as per the Tender conditions and whose bid price is highest quoted one.

However, it is not binding on APTRANSCO to accept the Highest quoted or any other Bid(s). APTRANSCO reserves the right to select the Bidder(s).

29. APTRANSCO's Right to vary Quantities at the time of Award

The APTRANSCO reserves the right at the time of contract award, to increase or decrease the quantity of dark fibers originally specified in the Annexure -1 as per the provisions available with APTRANSCO.

30. APTRANSCO's Right to Accept Any Bid and to Reject Any or All Bid

The APTRANSCO reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to awarding of contract, without thereby incurring any liability to the affected Bidder or Bidders.

31. NOTIFICATION OF AWARD

- i) Prior to the expiration of the period of bid validity, the APTRANSCO will notify the Successful Bidder in writing through a registered letter or by an e-mail, that the bid has been accepted.
- ii) This letter (hereinafter and in the Conditions of Contract called "Letter of Acceptance") will indicate the sum of the amount to be paid to APTRANSCO by the bidder in consideration of the contract, Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Amount").
- iii) The notification of award will constitute the formation of the Contract.
- iv) Upon the successful Bidder's furnishing all the original documents the APTRANSCO enters into contract with successful Bidder/ Bidders.
- v) The successful Bidder will have to predefine the Bank Account details after receipt of Letter of Acceptance (LOA) and before entering into contract for electronic transfer of the payment.
- vi) BID SECURITY will be refunded to all the unsuccessful bidders. For, the successful bidder, BID SECURITY shall be refunded on submission of the 10% PBG of the awarded contract value.
- vii) The declaration form is to be given in the Format -7 regarding relatives working in any of the Power utilities of Andhra Pradesh.

32. Payment Terms and Conditions

- i) The amount shall be paid by successful bidder on annual basis in advance for every leasing year within 20 days from the date of issue of invoice by APTRANSCO.
- ii) All the payments should be through electronic mode of payment /RTGS/NEFT to APTRANSCO.
- iii) For belated payment, interest @ maximum MCLR (Marginal cost of funds-based lending rate) of State bank of India per annum proportional to the actual number of days of delay from due date will be charged extra.
- iv) The charges mentioned in this offer are exclusive of GST.
- v) This agreement will valid for minimum of 5 (Five) years.
- vi) The amount is to be paid by bidder through NEFT/RTGS to following account.

Name of the Account	: TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED (APTRANSCO)
Name of the Bank	: State Bank of India.
Branch Name & Address	: Specialized Mid Corporate Branch, Ramavarapadu Ring road, Vijayawada.
Current A/c. No.	: 42052474412
IFSC Code	: SBIN0016576
MICR Code	: 520002044

33. General Term & Conditions

All the clauses related to the execution of contract including general terms & conditions to be followed by successful bidders on award of Contract as per the contract agreement enclosed at Annexure-III.

34. Bidders / Firms ineligible to Bid

- i) A retired officer of the Govt. of AP or Govt. of India executing software resource services is disqualified from Bidding for a period of two years from the date of retirement without the prior permission of the Government.
- ii) The Bidder who has employed any retired officer as mentioned above shall be considered as an ineligible Bidder.
- iii) The Bidder himself or any of his employee is found to be Gazetted Officer who retired from Government Service and had not obtained permission from the Government for accepting the Firm's employment within a period of 2 years from the date of his retirement.
- iv) The Bidder or any of his employees is found at any time after award of contract, to be such a person who had not obtained the permission of the Government as aforesaid before submission of the Bid or engagement in the Firm's service.
- v) Firm's shall not be eligible to Bid for leasing services in AP Transco where any of his near relatives are employed in the rank of Assistant Engineer or Assistant Executive Engineers and above on the Engineering side and Assistant Accounts Officer and above on the accounts side, Assistant Secretary and above in P&G wing. The Firm shall intimate the names of persons who are working with him in any capacity or are subsequently employed. Firm shall also furnish a list of Gazetted /Non-Gazetted State Government Employees related to him. Failure to furnish such information Bidder is liable to be removed from the list of approved Agencies and his contract is liable for cancellation.

Note: Near relatives include

- Sons, step sons, daughters, and step-daughters.
 - Son-in-law, and daughter-in-law.
 - Brother-in-law, and sister-in-law.
 - Brothers and Sisters.
 - Father and Mother.
 - Wife / Husband.
 - Father-in-law and Mother-in-law
 - Nephews, nieces, uncles and aunts
 - Cousins and
 - Any person residing with or dependent on the Firm.
- vi) The companies which are blacklisted by any other utility and whose promoter's firms or companies were already blacklisted/debarred by any other utility, No work/contract/order will be awarded/placed to companies which are blacklisted by any other utility and whose promoter's firms of companies were already black listed/debarred by any other utility. Bidders have to furnish a declaration/under taking in this regard along with the bid. Bids without this declaration are liable for rejection.

35. Formats



SAMPLE FORMATS

FORMAT-1: BID FORM

Dt. / /2026ck list

To
The Chief Engineer / Telecom & IT
Ground Floor, APTRANSCO
Vidyut Soudha, Vijayawada
Dear Sir,

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we the undersigned, offer for Leasing of OPGW Dark Fibers available on EHT lines of APTRANSCO IN ALL OLD 13 DISTRICT OF ANDHRA PRADESH. (Specn.no. PMMTC1-e- 11/2026) in conformity with the said bidding documents for the sum quoted by us or such other sums as may be ascertained in accordance with the schedule of prices attached herewith and made part of this Bid.

We undertake that if our Bid is accepted, to Lease the Dark Fibers, in accordance with the completion period specified in "Schedule of Requirement" i.e., for 15 years.

If our Bid is accepted, we will submit the Performance Bank Guarantee / Contract Performance Guarantee as per specification for the due performance of the contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid up to 180 days (for the Bid validity period) specified in clause No.18 of VOLUME- II and it will remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, will constitute a binding contract between us.

We understand that you are not bound to accept the Highest or any Bid you may receive.

We certify / confirm that we comply with the eligibility requirements as per Volume-II of the bidding document.

Dated:

Signature

FORMAT- 2a

**LEASE CHARGES AND MAINTENANCE CHARGES OF DARK FIBERS
TO BE QUOTED FOR EVALUATION OF H1 CHARGES**

Details of the Route:

S. No.	Name of the Link (As per Annexure-I) (a)	No. of KM#	No. of Fibre Pairs Bidder wants to Quote (b)	Lease Rate (for First year) per fibre pair per KM per Annum (Rs.) (Minimum of Rs. 65342.21) (c)	Annual Maintenance Charge per fibre pair per KM per annum (Minimum of Rs.3659.46) (d)	Total Rs.= No. of KM* No of Fibre Pairs* {Rate (c+d)}
	TOTAL (Rs.)					
	Applicable GST(Rs.)					
	Grand Total (Rs.)					

(#) No. of KMs for any link should not be reduced.

For and on behalf of Bidder
company
M/s.....
....

NOTE: Bidder shall upload the break-up details, in PDF form, and these details shall be up- loaded in commercial (form) stage separately for each area in respective schedules on BET portal so that it could be viewed only after opening Price Bid. But not in PQ stage.

(#) The prospective bidder shall quote for total length (KM) of any link as per the **Annexure-I**

Very Important Note to Bidders:

DIFFERENCE IN BET PORTAL LUMPSUM AMOUNT AND TOTAL OF THE SCHEDULES:

- i) Where there is a discrepancy between the total lump sum rate quoted in the BET platform web page and the total of the schedule submitted, the total lump sum rate quoted in the BET platform will govern for deciding highest quoted Bidder.
- ii) After evaluating the schedules of H1 by taking into consideration the words and figures and multiplication and totaling mistakes.
- iii) If the amount arrived is higher than the BET portal lump sum amount, the highest amount shall be taken for award of contract.
- iv) If the amount arrived is less than the BET portal lump sum amount, the BET lump sum amount shall be taken for award of contract.

FORMAT- 2b

Co-location Charges to be quoted for evaluation of H1 charges

Details of the Sub-station:

S. No.	Name of the Link (As per Annexure-I) (a)	Name of the Sub-station for Colocation (b)	Co-location Rate (for First year) per Sub-station per Annum (Rs.) (c)	No. of Equipment to be installed at co-location Sub-station (d)	Total Rs.= (c*d)
	TOTAL (Rs.)				
	Applicable GST(Rs.)				
	Grand Total (Rs.)				

For and on behalf of Bidder
company
M/s.....
....

NOTE: Bidder shall upload the break-up details, in PDF form, and these details shall be up- loaded in commercial (form) stage in respective schedules on BET platform so that it could be viewed only after opening Price Bid. But not inPQ stage.

Very Important Note to Bidders

DIFFERENCE IN BET PORTAL LUMPSUM AMOUNT AND TOTAL OF THE SCHEDULES:

- i. Where there is a discrepancy between the total lump sum rate quoted in the BET platform web page and the total of the schedule submitted, the total lump sum rate quoted in the BET platform will govern for deciding highest quoted Bidder.
- ii. After evaluating the schedules of H1 by taking into consideration the words and figures and multiplication and totaling mistakes.
- iii. If the amount arrived is higher than the BET lump sum amount, the highest amount shall be taken for award of contract.
- iv. If the amount arrived is less than the BET lump sum amount, the BET lump sum amount shall be taken for award of contract.

FORMAT- 2c

Tapping Charges to be quoted for evaluation of H1 charges

Details of the Tappings:

S. No.	Name of the Link (As per Annexure-I) (a)	Name of the splice location for tapping (b)	Tapping charges (One Time) per Tapping (Rs.). Minimum of Rs. 500000.00 (c)	No. of Tappings required (d)	Total Rs.= (c*d)
	TOTAL (Rs.)				
	Applicable GST(Rs.)				
	Grand Total (Rs.)				

For and on behalf of Bidder
company
M/s.....
....

NOTE: Bidder shall upload the break-up details, in PDF form, and these details shall be up- loaded in commercial (form) stage in respective schedules on BET platform so that it could be viewed only after opening Price Bid. But not inPQ stage.

Very Important Note to Bidders

DIFFERENCE IN BET PORTAL LUMPSUM AMOUNT AND TOTAL OF THE SCHEDULES:

- i. Where there is a discrepancy between the total lump sum rate quoted in the BET platform web page and the total of the schedule submitted, the total lump sum rate quoted in the BET platform will govern for deciding highest quoted Bidder.
 - ii. After evaluating the schedules of H1 by taking into consideration the words and figures and multiplication and totaling mistakes.
 - iii. If the amount arrived is higher than the BET portal lump sum amount, the highest amount shall be taken for award of contract.
 - iv. If the amount arrived is less than the BET portal lump sum amount, the BET portal lump sum amount shall be taken for award of contract.

FORMAT -3
DECLARATION REGARDING CLEAN TRACK RECORD

To
The Chief Engineer / Telecom & IT,
APTRANSCO, Vidyut Soudha,
Gunadala,
Vijayawada – 520 004.
Sir,

I have carefully gone through the Terms & Conditions contained in the Tender Specification No: PMMTC1-e-11/2026. I / We hereby declare that my company has not been debarred / black listed as on Bid submission date by any State Government, Central Government, Central & State Govt. Undertakings / Organizations and by any other Government bodies / Organizations, and any other major Enterprise / Organizations in India for non-satisfactory past performance, corrupt, fraudulent or any other unethical business practices.

Yours faithfully,
[Signature of the Bidder]
Printed Name:
Designation:
Seal:
Date:
Business Address:

FORMAT-4

To
The Chief Engineer / Telecom & IT,
APTRANSCO, Vidyut Soudha,
VIJAYAWADA – 520004

Dear Sir,

Sub: Leasing of Spare Dark Fibers of OPGW installed in APTRANSCO system- General particulars of applicant-submission-reg.

1.0 Having examined the document for **Leasing of Spare Dark Fibers of OPGW installed in APTRANSCO system**, I the undersigned, submit herewith the following information / data / documents:

A. Application format:

1	Name of the firm	
2	Full Address	
3	Telephone No. E-Mail	
4	Contact Person and Mobile No. E-Mail	
5	Purpose of leasing	
6	Copy of Internet Service License/Telecom License/permission/Clearance from the concerned licensing Authority i.e., Dept. of Telecom, Govt. of India up-loaded?	
7	Area/Circle where Telecom service is currently being provided by party	
8	Certificate in support of Experience up-loaded?	

For and on behalf of Bidder Company
M/s.....

FORMAT -5
BID SECURITY FORM

Whereas. (Hereinafter called "the Bidder") has submitted its Bid dated (date of submission of bid) for the providing.(name and /or description of the dark fiber leased links) (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that WE.(name of bank) having our registered office at.(address of bank) (hereinafter called "the Bank"), are bound unto.(name of APTRANSCO) (hereinafter called "the APTRANSCO") in the sum of _____for which payment well and truly to be made to the said APTRANSCO, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ____day of _____ 2026.

THE CONDITIONS of this obligation are:

1. If the Bidder
 - a) withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form;
or
 - b) does not accept the correction of errors in accordance with the Bid Specification,
or
2. If the Bidder, having been notified of the acceptance of its bid by the APTRANSCO during the period of bid validity;
 - (a)Fails or refuses to execute the Contract Form if required; or

We undertake to pay the APTRANSCO up to the above amount upon receipt of its first written demand, without the APTRANSCO having to substantiate its demand, provided that in its demand the APTRANSCO will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including sixty (60) days after(Specification Date) the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.
(Signature of the Bank)

NOTE : This will be executed on a Rs.100/- non-judicial stamp paper.

FORMAT-6

PERFORMANCE SECURITY BANK GUARANTEE FORM

To
The Chief Engineer / Telecom & IT
Ground Floor, Vidyut Soudha,
APTRANSCO,
Gunadala, Vijayawada-520004

WHEREAS..... (Name of Lessee)
(hereinafter called "the contractor") has undertaken, in pursuance of the Contract No.....
dated....., 2026 for..... (Description of the work) (hereinafter called
"the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Lessee will furnish you with a
Bank Guarantee by a recognized Bank for the sum specified therein as security for compliance with the
Contract performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Contract Guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Lessee,
up to a total of. (Amount of the Guarantee in Words and Figures) and we undertake to pay
you, upon your first written demand declaring the Lessee to be in default under the Contract and without
cavil or argument, any sum or sums within the limit of..... (Amount of Guarantee) as aforesaid,
without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the. day of (Year).

Signature and Seal of Guarantors

.....
Date.2026.

.....
Address:
.....
.....

NOTE: This has to be executed on a Rs.100/- non-judicial stamp paper by State Bank of India or its
Associated Banks/ Nationalized Banks acceptable to the APTRANSCO.

FORMAT -7

DECLARATION FORM

**UNDERTAKING TO BE GIVEN BY THE COMPANY / PARTNERSHIP FIRM ALONG WITH
THE TENDER REGARDING RELATIVES**

I, _____ representing the Company / Partnership Firm / Telecom Operator responding to the bid invitation by the APTRANSCO / APEPDCL / APSPDCL / APCPDCL vide Specification No. _____ hereby sincerely and solemnly affirm and state as follows:

(STRIKE OUT THAT WHICH IS NOT APPLICABLE)

(a) That myself or any of the representatives of my company / firm do not have any relatives as defined in the appended Annexure II in the APTRANSCO / DISCOM.

OR

(b) That the following officers / employees of the APTRANSCO / DISCOM are related to me and to the representatives of my company / firm and their status in the APTRANSCO / DISCOMS is as under:

S. No.	Name of the Officer Employee	Designation and Place of working	APTRANSCO / DISCOM	Relationship
1.				
2.				
3.				
4.				
5.				
6.				

It is certified that the information furnished above is true to the best of my knowledge and belief. It is hereby undertaken that in the event of any of the above information found to be false or incorrect at the later dated the APTRANSCO / DISCOM is entitled to terminate the contract / agreement entered into besides recovering damages as may be found necessary, with due notice.

Signature of the Authorized Representative

DECLARATION TO BE GIVEN BY THE COMPANY / PARTNERSHIP FIRM / Telecom Operator AT THE TIME OF ENTERING INTO AGREEMENT WITH APTRANSCO / DISCOMS:

(STRIKE OUT THAT WHICH IS NOT APPLICABLE)

(a) I declare that myself or any one of the representatives of my company / firm do not have any relatives as defined in the appended **Annexure II** in the APTRANSCO / DISCOM.

OR

(b) That the following officers / employees of the APTRANSCO / DISCOM are related to me and to the representatives of my company / firm as mentioned hereunder:

S. No.	Name of the Officer Employee	Designation and Place of working	APTRANSCO / DISCOM	Relationship
1.				
2.				
3.				
4.				
5.				
6.				

It is certified that the information furnished above is true to the best of my knowledge and belief. It is hereby undertaken that in the event of any of the above information found to be false at a later date, the APTRANSCO is entitled to terminate the contract / agreement entered into besides recovering damages as may be found necessary, with due notice.

Signature of the Authorized Representative

FORMAT-8
FINANCIAL STATUS

Criteria	Sub Criteria	FY	Total Financial
Financial Capability	Turnover from business activities	2022-23	
		2023-24	
		2024-25	
Net Worth	Measured as paid-up capital plus free reserves	2022-23	
		2023-24	
		2024-25	

Documentary Proof Required:

- i. Statutory Auditor/CA Certificate clearly specifying the turnover & net-worth for the specified years.
- ii. Audited P & L and Balance sheets.

For and on behalf of Bidder Company

M/s.....

FORMAT -9
BANK ACCOUNT DETAILS FOR RTGS

1. Name of the Bank :
2. Name of the Branch :
3. Branch code :
4. City :
- 5.. Account No. :
6. MICR No. :
7. IFSC No. :
8. Income Tax PAN Number :
9. GST Registration Number :
10. Date of GST Registration :
11. Place of GST Registration :

Signature of the Bidder

FORMAT -10
Power of Attorney

We -----(name of the firm and address of the registered office) do hereby

irrevocably constitute, nominate, appoint and authorize Mr. / Ms. (name), -----son/daughter/wife of -----and presently residing at -----, who is presently employed with us and holding the position of -----, as our true and lawful attorney (hereinafter referred to as the “Attorney”) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our application for qualification and submission of our bid for the project proposed by the (the “Transmission corporation of Andhra Pradesh Limited”) including but not limited to signing and submission of all applications, bids and other documents and writings, participate in pre-applications and other conferences and providing information/ responses to the APTRANSCO, representing us in all matters before the APTRANSCO, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the APTRANSCO in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Agreement with the APTRANSCO.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

The power of attorney shall be effective from and will continue to be valid binding and unforgettable till the attorney Mr./Ms. ----- ceases to be in the employment of the company unless otherwise withdrawn earlier by the company. This power of attorney will supersede any power of attorney issued earlier prior to the date of execution. In case this Power of Attorney is withdrawn for any reasons, APTRANSCO shall be pre intimated.

IN WITNESS WHEREOFF for and on behalf of M/s _----- Mr./Ms.-----
----- Managing Director of the company has set his hands with company seal on the day of -----
----- month of ----- year of ----- and at -----

For _ (Authorized Signatory of the company)
(Signature, Name, Designation, Address and emblem of the office seal)

Accepted (Authorized Signatory of the company)
(Signature in Duplicate, Name, Title and Address of the Attorney)

Witnesses:1.

2.

(Notarized)

FORMAT -11
SCHEDULE OF DEVIATION

TECHNICAL

Sl. No.	Requirements / Equipment	Specification Clause No.	Deviations	Remarks

It is hereby conformed that except for deviations mentioned above, the offer conforms to all the other features specified in Technical Specification Section ____ of this Bid Document

Place:

Signature of the Bidder:

Date:

Name:

Business address:

SCHEDULE OF DEVIATION

COMMERCIAL

Sl. No.	Requirements / Equipment	Specification Clause No.	Deviations	Remarks

It is hereby conformed that except for deviations mentioned above, the offer conforms to all the other features specified in Commercial Specification Section ____ of this Bid Document

Place:

Signature of the Bidder:

Date:

Name:

Business address:

Instruction to bidders:

- a. Deviations of Technical / Commercial indicated elsewhere will not be considered
- b. Deviations of Technical / Commercial will only be considered as mentioned above

FORMAT -12
DECLARATION FORM

e-TENDER SPECIFICATION No. PMMTC-e-11/2026.

To

The Chief Engineer / Telecom & IT,
Vidyut Soudha, APTRANSCO,
Gunadala, Vijayawada-520004.

Sir,

1. Having examined the above specification together with Tender conditions referred to therein, I/We undersigned hereby offer to execute the lease contract covered there in complete in all respect as per the specification and general conditions, at the rates entered in the Price bid proposal sheet in the Tender. Our offer is valid up to 180 days from the date of Bids opening and the prices which are on firm basis will remain valid for one year from the date contract agreement.
2. I/We hereby undertake to continue the contract of the time mentioned in the NIT of the specification.
3. Certify that, I/we have remitted Tender processing fee and Bid Security as specified in the NIT of the tender.
4. In the event of the award of the contract being decided in my/our favour, I/We agree to furnish the Contract Performance Bank Guarantee in the manner acceptable to continue the contract for minimum period of 5 years and maximum up to 15years with renewal period of 5years if mutually agreed and for the sum as applicable to me/us as provided in the general conditions of contract (Volume-III) of this specification within 45 days of issue of LOI. Failing which I/We clearly understand that the said contract will be liable to be withdrawn and the Bid security might be forfeitedby APTRANSCO.

Signed this day of2026.

Yours faithfully,

Signature with designation &Seal of Bidder.

(This form should be duly filled and scanned copy should be uploaded in the Tender portal)

FORMAT -13
SERVICES UTILIZATION DECLARATION FORM

Date:

To,
The Chief Engineer / Telecom & IT,
Transmission Corporation of Andhra Pradesh Limited,
Vidyut Soudha, Gunadala, Vijayawada – 520004,
Andhra Pradesh, India.

Declaration

We would like to confirm that the fibres leased from APTRANSCO under the RFP. No -----, Dated --

----- shall be used only for providing the services to data centers, IPTV/FTTH etc., If in case, APTRANSCO notices that the fibres are being used for other than the above-mentioned service, the contract can be terminated.

Thanking you.

Your sincerely,

Authorized Signatory

FORMAT -14

TELECOM OPERATOR’S BIDDING AUTHORISATION FORM

No. _____ dated

To

.....
.....
.....

Dear Sir,

SPECIFICATION No. PMMTC1-e-11 /2026

We _____ (Name & complete Address) who are established and reputed Telecom Operator/Internet service provider/Organization of _____ (details of dark fibers leased links) having factory/firm at _____ (address of factory/firm) do hereby authorize _____ (Full name and Designation) whose specimen signature is attested here under to submit the bid, and sign the contract with you for the above dark fibers leasing by us against the above Specification No. PMMTC1-e-11 /2026

Specimen Signature

Yours faithfully,

(Name of Telecom Operator/ISP/Orgn.)

Note: This letter of authorization should be on the letterhead of the Telecom Operator / Internet service provider / Organization

It should be uploaded by the Bidder in his bid.

The Bidder’s complete postal address and their factory complete postal address with phone and email Id shall be invariably mentioned in the above proforma.

FORMAT -15

EXPERIENCE CERTIFICATE

(To be printed on firm's Letter Head)

FORMAT -16
BANKERS CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/s. _____, having their
Establishment at _____ is our customers and
have satisfactory record of transactions. They are having the credit limits of Rs. _____ Lakhs in our
Bank.

Place:

Date:

Signature of the Manager

Name:

Bank address and Seal.

CHECK LIST

The bidders shall invariably upload the information and **attested copies of documents** listed in the check list below on **BET platform**, and also confirm by marking Yes or No. The same shall have to be furnished either personally or through courier or by post in the stipulated time, if asked by APTRANSCO.

1	Experience Certificate uploaded?	YES / NO
2	License/Registration uploaded?	YES / NO
3	Company Broacher/Catalogue uploaded?	YES / NO
4	Joint Venture/Consortium Document with a mention of lead partner uploaded?	YES / NO
5	Under taking on Rs. 100/- bond paper to hold 5 years contract uploaded?	YES / NO
6	Balance sheets for last three financial years commencing from FY 2022-23, 23-24, 24-25, submitted?	YES / NO
7	GST Registration Certificate uploaded?	YES/NO
8	Copy of PAN uploaded?	YES/NO
9	Declaration on all documents genuineness uploaded?	YES/NO
10	Under taking to pay Rental Charges as per G.O Ms. No.37, dt: 07.03.2016 of Gov. of AP uploaded?	YES/NO
11	Whether a proof of Bid Security in the form of BG/Online payment receipt uploaded?	YES/NO
12	Whether Transaction Fee is paid electronically or not. The copy of the receipt may be uploaded?	YES/NO
13	Whether Bankers certificate uploaded?	YES/NO
14	Whether uploaded the Forms as per the Specification?	YES/NO
15	Whether uploaded the undertaking informing that firm has not been banned/black listed/debarred by any Govt. Department // Department of Telecom, Govt. of India undertaking or any power utility for non-performance or malpractice?	YES/NO
16	Whether Technical/Commercial Deviation form filled (deviations, if any, must be filled in the given format)	
17	Copy of Memorandum and articles of association attached?	YES/NO
18	Copy of Internet Service License/Telecom License/permission/Clearance from the concerned licensing Authority i.e, Dept. of Telecom, Govt. of India attached?	YES/NO
19	Area/Circle where Telecom service is currently being provided.	YES/NO
20	Certificate in support of Experience submitted?	YES/NO
21	State whether 180 days validity offered	YES/NO
22	Area wise break -up details, in PDF form, of the links proposed by the Bidder for leasing (as shown in Format - 2a) are uploaded?	YES/NO

The Bidder shall indicate that all the forms and enclosures indicated in the checklist furnished are compiled with.

SIGNATURE OF THE BIDDER

SPECIAL INSTRUCTIONS TO BIDDERS

- The Bidders shall submit the PBG equivalent to 10% of Quoted value only in the form of Bank Guarantee after being awarded the tender.
- While preparing Commercial form on BET platform, the Bidder has to enter the Price per KM per Fibre Pair per Annum for first year of the contract.
- Bidder shall enter the applicable GST in Cost Component Column in Commercial form.
- Bidder shall arrive the quantity as per STEP 1
- Attested copies of all the documents shall be up-loaded as per the Check List.

**NON-DISCLOSURE AGREEMENT FOR
THE EMPLOYEES OF THE VENDORS
(Post awarding the contract)**

**(Regular Employee/Outsourced employee/Contract employee/Consultant
etc., Engaged by Vendors for APTRANSCO works)**

This Agreement between,

Vendor.....

Firm Name: M/s

Address:

Name of the work:

Details of Agreement/ Purchase Order:

And

Name of Individual:

Designation:

Address:

1. General: I,, engaged by
M/s

.....

.....as a..... (Regular

Employee/Outsourced Employee/Contract employee/Consultant engaged by Vendor), I will devote my best efforts to furthering the best interests of APTRANSCO. During my tenure, I will not engage in activity that:

(a) Conflicts with APTRANSCO business interests, including without limitation, any business activities not contemplated by this agreement,

(b) Occupies my attention so as to interfere with the proper and efficient performance of my duties at APTRANSCO or

(c) Interferes with the independent exercise of my judgment in APTRANSCO best interests. As used herein, APTRANSCO business means IT procurement, Infrastructure project management, and support of software, Network projects, and Internet related websites, Security Audit, IT Security and other Cyber Security related services.

2. Non-Disclosure. At all times, during my Consultancy engagement and thereafter, I will not disclose to anyone outside APTRANSCO nor use for any purpose other than my assignment for APTRANSCO and I do hereby recognize and admit that APTRANSCO is the absolute, unrestricted and exclusive owner for the following:

a. Any confidential or proprietary technical, financial, marketing, or other technical or business information or trade secrets of APTRANSCO, including without limitation, concepts, techniques, processes, methods, systems, designs, circuits, cost data, computer programs, formulae, development or experimental work, work-in progress, Customers and suppliers,

b. Any information APTRANSCO has received from others which APTRANSCO is obligated to treat as confidential or proprietary or

c. Any confidential or proprietary information which is circulated within APTRANSCO via its internelectronic mail system, intranet or otherwise.

d. Shall not in any manner whatsoever, represent and/or claim that I have any interest by way of ownership, assignment or otherwise in the same. In this agreement, all confidential and/or proprietary information belonging to and/or in possession of APTRANSCO, which is received, accessed, and/or used by me during the course of my Consultancy engagement with APTRANSCO, shall include without limitation, such information received from APTRANSCO, its customers.

e. I will also not disclose any confidential or proprietary information to anyone inside APTRANSCO, except on a "need-to-know" basis. If I have any questions as to what comprises such confidential or

proprietary information or trade secrets, as to whom, if anyone inside APTRANSCO, it may be disclosed, I will consult with my reporting officer / HOD (Head of Department) at APTRANSCO.

3. Assignment of inventions. I hereby assign exclusively to APTRANSCO, all my right, title and interest in and to any all inventions, discoveries, designs, developments, improvements, copy rightable material, and trade secrets (collectively herein “Inventions”) that I solely or jointly may conceive, write, encode, develop, or reduce to practice during the period of time I am in the Consultancy engagement of APTRANSCO. I will make prompt and full disclosure to APTRANSCO of any inventions, and if for any reason the assignment pursuant to this clause is not effective, will hold all such inventions in trust for the sole benefit of APTRANSCO.

I hereby waive and quit claim to APTRANSCO, any and all claims of any nature whatsoever that I now or hereafter may have for infringement of any patent resulting from any patent applications for any inventions so assigned to APTRANSCO. My obligation to assign shall not apply to any invention about which I can prove that:

- a) it was developed entirely on my own time; and
- b) no equipment, supplies, facilities, services or trade secret of APTRANSCO was used in its development;and
- c) It does not result from any work performed by me for APTRANSCO.

4. Excluded and Licensed inventions. I have attached hereto, a list describing all inventions belonging to me and made by me prior to my tenure with APTRANSCO, for a period of (Years), that I wish to have excluded from this agreement. If not, such list is attached, I represent that there are no such inventions. If in the course of my tenure at APTRANSCO, I use in or incorporate into a APTRANSCO, product, program, process or machine, and invention owned by me or which I have an interest of APTRANSCO is hereby granted and shall have an exclusive royalty-free, irrevocable, worldwide license to make, have made, use and Sell that invention without restriction as to the extent of my ownership or interest.

5. Application for Copyright and Patents. I will execute any proper oath or verify any proper document in connection with carrying out the terms of this agreement. If, because of my mental or physical incapacity or for any other reason whatsoever, APTRANSCO is unable to secure my signature to apply for or to pursue any application for any Indian or foreign patent or copyright covering inventions assigned to APTRANSCO, as stated above, I hereby irrevocably designate and appoint APTRANSCO and its duly authorized officers and agents as my agent and attorney in fact, to act for me and in my behalf and stead, to execute and file any prosecution and issuance of Indian and foreign patents and copyrights thereon with the same legal force and effect as if executed by me, I will testify at APTRANSCO request and expense in any interference, litigation or other legal proceeding that may arise during or after my Consultancy engagement.

6. Third party information. I recognize that APTRANSCO has received and will receive confidential or proprietary information from its customers as well as third parties subject to a duty on APTRANSCO, part to maintain the confidentiality of such information and to use it only for certain limited purpose. During the term of my Consultancy engagement and thereafter, I will not disclose such confidential or proprietary information to anyone except as necessary in carrying out my work in APTRANSCO and consistent with APTRANSCO agreement with such customers or third party. I will not use such information for the benefit of anyone other than APTRANSCO or such third party, or in any manner inconsistent with any agreement between APTRANSCO and such third party of which I am made aware.

7. Prior Employer Information. During my tenure at APTRANSCO, I will not use improperly or disclose any confidential or proprietary information or trade secrets of my former or current employers, principals, partners, co-ventures, clients, customers or suppliers of the vendors or customers of such persons or entities or their vendor or customers and I will not bring onto the premises of APTRANSCO, any unpublished document or any property belonging to any such persons or entities or their vendors or customers unless such persons or entities have given their consent. I will not violate any non-disclosure or proprietary rights agreement I might have signed in connection with any such person or entity.

8. Presumption of breach. In the event of the possession, access and or use of the confidential or proprietary technical, financial, or other technical or business information or trade secrets of APTRANSCO, including without limitation, as defined in this agreement, it shall be presumed, unless proved to the contrary, that such Information has so come to the possession of the third party on account of breach of this agreement by me.

9. Return of materials. At the end of my tenure at APTRANSCO, I will return to APTRANSCO, all papers, drawings, notes, memoranda, manuals, specifications, designs, devices, and documents, USBs and any other material on any media containing or disclosing any confidential or proprietary technical or business information. I will
Also return any keys, pass cards, ID cards or other property belonging to APTRANSCO.

10. Personal property. I agree that APTRANSCO will not be responsible for loss, disappearance, or damage to personal property on APTRANSCO premises. I hereby release, discharge and hold APTRANSCO harmless from any and all claims relating to loss of, disappearance, or damage to such personal property.

11. Equitable relief. I acknowledge that any violation by me under this agreement, and/or any obligation of like nature, will cause irreparable injury to APTRANSCO, and APTRANSCO shall be entitled to extraordinary relief in any court in India including, but not limited to, temporary restraining orders, preliminary injunctions, and permanent injunctions, without the necessity of posting bond or security.

12. Entire Agreement. I agree that this agreement shall be governed for all purposes by the laws of India. If any provision of this agreement shall be declared excessively broad, it shall be construed so as to afford APTRANSCO, the maximum protection permissible by law. If any provision of this agreement is void or is so declared, such provision shall be severed from this agreement, which shall otherwise remain in full force and effect. This agreement sets forth the entire agreement of the parties as to the subject matter hereof and any representations, promises, or conditions in connection therewith not in writing and signed by both parties shall not be binding upon either party, the terms and conditions of this agreement shall survive termination of my Consultancy engagement.

**HAVING READ AND FULLY UNDERSTOOD THIS AGREEMENT, I
have signed my name on this-
----- day of----- YYYY**

Employee /consultant name

Name of Firm.

(Signature of employee /consultant)

(Signature of Vendor) Date and place

Date and place

NON-DISCLOSURE AGREEMENT FOR VENDORS
(Post awarding the contract)

This Agreement between, **Transmission Corporation of Andhra Pradesh Ltd. (APTRANSCO), Vidyut Soudha, Gunadala, Vijayawada, 520 004 as the Client Department**

And
M/s

.....
.....
.....
.....

WHEREAS, for the objective stated in Engagement letter (“Purpose”), the entire listed above (collectively referred as the “Parties” and individually referred to as “Party”) have determined to establish terms governing the use and protection of Confidential Information belonging to or disclosed by any one party (“Owner”) that another party who originally received it from owner (each party directly or indirectly receiving such confidential Information, a “Recipient/Vendor” thereof), For purposes of this Agreement, the party that owns and/or discloses confidential information is hereinafter referred as the “Disclosing Party” and the party that receives and or accesses Confidential Information hereunder is referred to as “Recipient/Vendor.”

1. Definition: “Confidential Information” means any information, technical data, or know-how (including, but not limited to, information relating to research, products, software, services, development, inventions, processes, engineering, marketing, techniques, customers, pricing, internal procedures, business and marketing plans or strategies, finances, employees and business opportunities) disclosed by the Disclosing Party to Recipient either directly or indirectly in any form tangible form, orally or visually (Subsequently reduced to writing) (i) that has been marked as confidential; (ii) whose confidential nature has been made know by Disclosing Party, orally or in writing, to Recipient; or (iii) that due to its character and nature, a reasonable person under like circumstances would treat as confidential.

PROPRIETARY CONFIDENTIAL INFORMATION

For purposes of this Agreement, "**Proprietary Confidential Information**" shall mean all such and any information with respect to the Source Code /software /Generic Information or all such other materials as have been disclosed by **Client Department** to the, including but without limitation information relating to manufacturing processes, products, technology, processes, specifications, programs, models, financial information and projections, formulae, data, know-how, Developments, designs, improvements, software programs.

2. Exclusions: Confidential Information does not include information, which; (i) is in Recipient’s possession at the time of disclosure; (ii) before or after it has been disclosed to Recipient, becomes part of the public knowledge or literature, not as a result of any action or inaction of Recipient; (iii) is approved for release by written authorization of the Disclosing Party; (iv) is disclosed to Recipient by a third party not in violation of any obligation of confidentiality; or (v) is independently developed by Recipient without reference to Confidential Information of the Disclosing Party.

3. Use Limitations: Recipient agrees not to use the Confidential Information for its own use or for any purpose except for the purpose expressly set forth above. Recipient agrees not to copy, alter, modify, disassemble, reverse engineer or decompile any of the materials unless permitted in writing by the Disclosing Party.

4. Non-Disclosure: Recipient agrees not to disclose the Confidential Information to any third parties or to any of its employees except those employees who have a need to know the Confidential Information for

accomplishing the stated purpose described herein and where such employees shall be made aware that the information is confidential and shall be under a written contractual restriction on nondisclosure and proper treatment of Confidential Information that is no less restrictive than the terms of this Agreement. Notwithstanding the foregoing, Recipient may disclose the Disclosing Party's Confidential Information to the extent required by a valid order by a court or other governmental body or by pursuant to an applicable law or regulation; provided, however, the Recipient will use all reasonable efforts to notify Disclosing Party of the Obligation to make such disclosure in advance of the disclosure so that Disclosing Party will have a reasonable opportunity to object to such disclosure. Recipient agrees that it shall treat the Confidential Information with the same degree of care as it accords to its own Confidential Information of a similar nature; provided that in no event shall Recipient exercise less than reasonable care to protect the Confidential Information. Receipt may become aware.

5. Third Party Information: Neither party shall communicate any Information to the other in violation of the proprietary rights of any third party.

6. Return of Materials: Any materials or documents of Disclosing party which are Furnished to Recipient, and all copies thereof, at the earlier of Disclosing Party's request for return of the materials, or the termination of the business relationship between the Disclosing Party and Recipient, at the Disclosing Party's option, will either be: (i) promptly returned to the Disclosing Party; or (ii) destroyed by Recipient (with Recipient Providing written certification of such destruction).

7. No License: The confidential Information shall remain the sole property of the Disclosing Party. No license is granted to Recipient under any patents, copyrights, mask work rights or other proprietary rights by the disclosure of any information hereunder, nor is any warranty made as to such information.

8. Remedies: Recipient understands and agrees that the Disclosing Party is providing the confidential Information to the Recipient in reliance upon this Agreement, and Recipient will be fully responsible to the Disclosing Party for any damages or harm caused to the Disclosing Party by breach of this Agreement by Recipient or any of its Officer, directors, employees or consultants. Recipient acknowledges and agree that a breach of any of its promises or Agreements contained herein will result in irreparable injury to the Disclosing Party for which there will be no Adequate remedy at law, and the Disclosing Party shall be entitled to apply for equitable relief, including injunction sand specific performance, in the event of any breach or threatened breach or intended breach of this Agreement by Recipient. Such remedies, however, shall not be deemed to be the exclusive remedies for any breach of the Agreement but shall be in addition to all other remedies available at law or in equity.

9. Attorneys' fees, jurisdiction/venue: In the event of any litigation or other legal proceedings between the parties, the prevailing party shall be entitled to reasonable attorneys' fee and all costs of proceedings incurred in enforcing this Agreement. The High Court of Judicature at Amaravati for the States of Andhra Pradesh, India shall have exclusive jurisdiction to try and dispose of any proceedings arising out of this Agreement.

10. Termination & Survival: This Agreement will become effective as of the date first mentioned herein above and will continue to be in force for a period of..... thereafter. Recipient's obligations under this Agreement with respect to Confidential Information it has received shall continue for a period of..... after such disclosure.

11. General: This Agreement sets forth the entire understanding and agreement of the parties with respect to the subject matter hereof and supersedes all other Oral or Written representations and understandings. This Agreement may be amended or modified only in writing signed by authorized Representatives of the parties hereto. If any provision of this Agreement is found by a proper authority to be unenforceable or invalid, such unenforceability or invalidity shall not affect the other provisions of this Agreement and the unenforceable or invalid provision shall be construed to amend in order to avoid such unenforceability or invalidity while preserving as closely as possible the intent of the parties.

12. Notices: All notices or reports permitted or required under this Agreement shall be in writing and shall be by personal delivery, nationally recognized overnight courier service, facsimile transmission or by

certified or registered mail, return receipt requested, and shall be deemed. Given up on the earlier of actual receipt one (1) day after deposit with the courier service, receipt by sender of confirmation of electronic transmission or five (5) days after deposit in the mail.

IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement to be executed by a duly authorized representative of such party as of the date first above written.

For < Vendor Name>

Signature:

Name:

Title:

Date:

For (APTRANSCO)

Signature:

Name:

Title:

Date

Annexure -1(A): APTRANSCO District wise OPGW Dark Fibre links

S No.	District (Telecom Division)	Dark Fiber link		Length (km)	Available Dark Fibres	Dark fibers pairs from upcoming OPGW	From_Lat	From_Lon	To_Lat	To_Lon
		From	To							
1	SRIKAKULAM	220kVSS Tekkali	220kVSS Garividi	93.444	11		18.5883	84.2439	18.28078	83.52746
2	SRIKAKULAM	220kVSS Tekkali	132kVSS Palasa	31.045	14		18.5883	84.2439	18.77022	84.4152
3	SRIKAKULAM	220kVSS Tekkali	132kVSS Narasannapeta	28.947	18		18.5883	84.2439	18.43331	84.06968
4	SRIKAKULAM	220kVSS Tekkali	132kVSS Pathapatnam	32.486	20		18.5883	84.2439	18.74228	84.08411
5	SRIKAKULAM	220kVSS Pydibhimavaram	400kVSS Maradam	49.254	20		18.14276	83.62066	18.42031	83.32372
6	SRIKAKULAM	220kVSS Pydibhimavaram	132kVSS Pydibhimavaram	4.4	16		18.14276	83.62066	18.14276	83.62066
7a	SRIKAKULAM	220kVSS Pydibhimavaram	132kVSS Chilakapalem	48.22	6		18.14276	83.62066	18.27176	83.80839
7b	SRIKAKULAM	220kVSS Pydibhimavaram	132kVSS Chilakapalem	29.5	20		18.14276	83.62066	18.27176	83.80839
8	SRIKAKULAM	132kVSS Palasa	132kVSS Ichapuram	53.993	14		18.77022	84.4152	19.10471	84.68254
9	SRIKAKULAM	220kVSS Pydibhimavaram	220kVSS Garividi	27.59	8		18.14276	83.62066	18.28078	83.52746
10	SRIKAKULAM	132kVSS Rajam	220kVSS Garividi	19.633	18		18.3958	83.62965	18.28078	83.52746
11	SRIKAKULAM	132kVSS Chilakapalem	132KVRTSS Ponduru	17.4	6		18.27176	83.80839	18.36285	83.7796
12	SRIKAKULAM	132kVSS Palakonda	220kVSS Garividi	62.619	8		18.59546	83.76721	18.28078	83.52746
13	SRIKAKULAM	132kVSS Palakonda	132KVRTSS Ponduru	33.484	8		18.59546	83.76721	18.36285	83.7796
	No of links	13		532.015						
1	VIZIANAGARAM	400kVSS Maradam	220kVSS Bobbili G.C	14.783	18		18.42031	83.32372	18.5637	83.3392
2	VIZIANAGARAM	400kVSS Maradam	220kVSS B.D Palem	72.481	16		18.42031	83.32372	17.73836	83.30836
3	VIZIANAGARAM	400kVSS Maradam	220kVSS Garividi	40.063	10		18.42031	83.32372	18.28078	83.52746

4	VIZIANAGARAM	220kVSS Garividi	132kVSS Vontithadi	32.073	14		18.28078	83.52746	18.09208	83.38738
5	VIZIANAGARAM	220kVSS Garividi	132kVSS MOR	2.772	21		18.28078	83.52746	14.2747	80.09617
6	VIZIANAGARAM	220kVSS Bobbili G.C	220kVSS Garividi	41.291	13		18.5637	83.3392	18.28078	83.52746
7	VIZIANAGARAM	220kVSS Bobbili G.C	132kVSS Bobbili	3.981	14		18.5637	83.3392	18.5637	83.3392
8	VIZIANAGARAM	132kVSS Bobbili	132kVSS Parvathipuram	31.195	16		18.5637	83.3392	18.77254	83.42721
9	VIZIANAGARAM	132kVSS Garbham	220kVSS Garividi	14.961	20		18.37708	83.46653	18.28078	83.52746
10	VIZIANAGARAM	132kVSS Garbham	132kVSS Bobbili	27.767	20		18.37708	83.46653	18.5637	83.3392
11	VIZIANAGARAM	220kVSS B.D Palem	220kVSS Sarda	9.367	20		17.73836	83.30836	17.94449	83.21971
12	VIZIANAGARAM	132kVSS T.B Vara	132kVSS Kothavalasa	29.203	8		18.17113	83.12682	17.93633	83.18717
13	VIZIANAGARAM	132kVSS T.B Vara	132kVSS SEIL	26.332	6		18.17113	83.12682	15.91697	79.3273
14	VIZIANAGARAM	132kVSS SEIL	132kVSS Kothavalasa	4.891	5		15.91697	79.3273	17.93633	83.18717
15	VIZIANAGARAM	132kVSS Kothavalasa	132kVSS Ultra Tech Pvt. Ltd	2.122	14		17.93633	83.18717	16.76867	81.67348
16	VIZIANAGARAM	220kVSS Pydibhimavaram	132kVSS G.Chodavaram	9.717	18		18.14276	83.62066	18.10899	83.58361
	No of links	16		362.999						
1	VISAKHAPATNAM	400kVSS Kalapaka	220KV VSS	4.3	5	12	17.6127	83.12028	17.00971	81.73942
2	VISAKHAPATNAM	400kVSS Kalapaka	220kVSS Simhachalam	53.11	14	24	17.6127	83.12028	17.75979	83.22055
3	VISAKHAPATNAM	400kVSS Kalapaka	220kVSS Brandix	23.44	12	24	17.6127	83.12028	16.41443	79.72111
4a	VISAKHAPATNAM	400kVSS Kalapaka	HNPCL (Hinduja)-1st Peak	9.15	10		17.6127	83.12028	17.71707	83.26314
4b	VISAKHAPATNAM	400kVSS Kalapaka	HNPCL (Hinduja)-2nd Peak	9.15	24		17.6127	83.12028	17.14977	81.52321
5	VISAKHAPATNAM	400kVSS Kalapaka	400kVSS Maradam	121.324	14		17.6127	83.12028	18.42031	83.32372
6	VISAKHAPATNAM	400kVSS Kalapaka	NTPC line-II	4.59	0	12	17.6127	83.12028	15.58532	79.69972
7a	VISAKHAPATNAM	400kVSS Kalapaka	NTPC line-IV	4.8 (OPGW)	0		17.6127	83.12028	17.85915	83.23101

7b	VISAKHAPATNAM	400kVSS Kalapaka	NTPC line-IV	4.8 (ADSS)	3		17.6127	83.12028	17.85915	83.23101
8	VISAKHAPATNAM	400kVSS Kalapaka	PGCIL Ckt-I	5.01	0		17.6127	83.12028	13.61987	79.43104
9	VISAKHAPATNAM	400kVSS Kalapaka	PGCIL Ckt-II	4.56	21	12	17.6127	83.12028	15.58028	79.76459
10	VISAKHAPATNAM	400kVSS Kalapaka	220KV HPCL	23.79	12		17.6127	83.12028	17.70657	83.25811
11	VISAKHAPATNAM	400kVSS Kalapaka	400KV Achutapuram	27	-	24	17.6127	83.12028		
12	VISAKHAPATNAM	HNPCL (Hinduja)	400kVSS Guddigudem	212.5	4		13.85552	77.48145	17.14977	81.52321
13	VISAKHAPATNAM	220KV VSS	220kVSS Kakinada	156	0	24	17.00971	81.73942	17.01624	82.24984
14	VISAKHAPATNAM	220KV VSS	220kVSS Parawada	7.15	10	12	17.00971	81.73942	17.64236	83.09198
15a	VISAKHAPATNAM	220KV VSS	PGCIL (Pole - I)	2	18		17.00971	81.73942	15.58532	79.69972
15b	VISAKHAPATNAM	220KV VSS	PGCIL (A/C Control Room)	0.5	8		17.00971	81.73942	15.50299	80.02748
16	VISAKHAPATNAM	220KV VSS	220kVSS Gajuwaka	12.56	16	12	17.00971	81.73942	17.69422	83.20766
17	VISAKHAPATNAM	220KV VSS	220kVSS Gangavaram Port	11.65	2		17.00971	81.73942	17.69422	83.20766
18	VISAKHAPATNAM	220KV VSS	220kVSS Pendurthy	33.06	11	24	17.00971	81.73942	17.82939	83.22833
19	VISAKHAPATNAM	220KV VSS	RINL(MRS)	7	20		17.00971	81.73942	14.81263	79.5626
20	VISAKHAPATNAM	220kVSS Parawada	220KV ANRAK	61.23	16		17.64236	83.09198	18.33712	82.86674
21	VISAKHAPATNAM	220kVSS Parawada	220kVSS Kakinada	149	3		17.64236	83.09198	17.01624	82.24984
22	VISAKHAPATNAM	220kVSS Brandix	132kVSS Narsingabilli	27.19	4		16.41443	79.72111	17.60481	82.87546
23	VISAKHAPATNAM	220kVSS Brandix	Abhijeet	3.536	8		16.41443	79.72111	17.54484	83.00717
24	VISAKHAPATNAM	220kVSS Brandix	Koruprolu	33.841	4	24	16.41443	79.72111	17.42065	82.76567
25	VISAKHAPATNAM	220kVSS Brandix	Risual decors	4.6	20		16.41443	79.72111	17.51921	82.95048
26	VISAKHAPATNAM	220kVSS Brandix	ATC tyres	2.95	20		16.41443	79.72111	17.52372	82.96017
27	VISAKHAPATNAM	220kVSS Brandix	RCL	1.36	12		16.41443	79.72111	17.76131	83.26332
28	VISAKHAPATNAM	132kVSS Narsingabilli	RAMCO	4	12		17.60481	82.87546	17.69776	83.02198

29	VISAKHAPATNAM	132kVSS Koruprolu	MyHome	15.11	8		17.42065	82.76567	17.73006	83.30138
30	VISAKHAPATNAM	132kVSS Koruprolu	132kVSS Narsipatnam	43.21	4		17.42065	82.76567	17.66125	82.60179
31	VISAKHAPATNAM	132kVSS Koruprolu	132kVSS Payakaraopeta	25.1	0	24	17.42065	82.76567	17.36425	82.56377
32	VISAKHAPATNAM	132kVSS Payakaraopeta	132kVSS Peddapuram	61.63	2	24	17.36425	82.56377	17.08521	82.12819
33	VISAKHAPATNAM	132kVSS Koruprolu	132kVSS Narsingabilli	31.682	6		17.42065	82.76567	17.60481	82.87546
34	VISAKHAPATNAM	220kVSS Gajuwaka	GangavaramPort	8.42	2		17.69422	83.20766	17.65906	83.20752
35	VISAKHAPATNAM	220kVSS Gajuwaka	132kVSS VSEZ	14.19	0		17.69422	83.20766	14.2747	80.09617
36	VISAKHAPATNAM	220kVSS Gajuwaka	132kVSS Navalwharf	8.5	8		17.69422	83.20766	17.69938	83.25673
37	VISAKHAPATNAM	220kVSS Gajuwaka	132kVSS Simhachalam	17.92	8		17.69422	83.20766	17.75979	83.22055
38	VISAKHAPATNAM	220kVSS Gangavaram Port	132kVSS Malkapuram	9.16	18		17.69422	83.20766	17.68824	83.25264
39	VISAKHAPATNAM	220KV ANRAK	220kVSS SSS	124.34	16		18.33712	82.86674	18.53783	83.34343
40	VISAKHAPATNAM	220kVSS Pendurthy	400kVSS Maradam	89.67	16		17.82939	83.22833	18.42031	83.32372
41	VISAKHAPATNAM	220kVSS Pendurthy	220kVSS B.D.Palem	10.13	18		17.82939	83.22833	17.73836	83.30836
42	VISAKHAPATNAM	220kVSS Pendurthy	132kVSS Kasimkota	38.02	12		17.82939	83.22833	17.68652	82.98142
43	VISAKHAPATNAM	220kVSS Pendurthy	132kVSS Anandapuram	20.32	6	24	17.82939	83.22833	17.8792	83.37553
44	VISAKHAPATNAM	220kVSS Pendurthy	132kVSS Kothavalasa	14.33	12		17.82939	83.22833	17.93633	83.18717
45	VISAKHAPATNAM	220kVSS Pendurthy	Upper sileru	180	17		17.82939	83.22833	18.0366	82.01785
46	VISAKHAPATNAM	220kVSS Pendurthy	132kVSS Simhachalam	8.9	6		17.82939	83.22833	17.75979	83.22055
47	VISAKHAPATNAM	220kVSS Pendurthy	LVS Power Pvt. Ltd.	3.72	18		17.82939	83.22833	17.05827	82.31003
48	VISAKHAPATNAM	220kVSS	132kVSS	8.3	6		17.76283	83.31408	17.73005	83.32984

		Dairyfarm	Pedawaltair							
49	VISAKHAPATNAM	220kVSS Simhachalam	220kVSS Dairyfarm	14.2	8	24	17.75979	83.22055	17.76283	83.31408
50	VISAKHAPATNAM	220kVSS Simhachalam	132kVSS Simhachalam	0.57	6		17.75979	83.22055	17.75979	83.22055
51	VISAKHAPATNAM	220kVSS Simhachalam	132kVSS Nakkavanipalem	12.34	0		17.75979	83.22055	17.73836	83.30836
52	VISAKHAPATNAM	220kVSS Simhachalam	132kVSS Common Point	10.52	2		17.75979	83.22055	17.72805	83.28116
53	VISAKHAPATNAM	132kVSS Navalwharf	132kVSS DGNP	3.2	4		17.69938	83.25673	17.71536	83.27128
54	VISAKHAPATNAM	132kVSS Navalwharf	132kVSS Malkapuram	3.47	18		17.69938	83.25673	17.68824	83.25264
55	VISAKHAPATNAM	132kVSS Navalwharf	132kVSS Commonpoint	6.65	0		17.69938	83.25673	17.72805	83.28116
56	VISAKHAPATNAM	132kVSS Navalwharf	132KV HPCL	2.45	16		17.69938	83.25673	17.70657	83.25811
57	VISAKHAPATNAM	132kVSS DGNP	132kVSS Port	3.77	4		17.71536	83.27128	14.2747	80.09617
58	VISAKHAPATNAM	132kVSS Kasimkota	132kVSS Chodavaram	30.6	16		17.68652	82.98142	17.89969	82.89902
59	VISAKHAPATNAM	132kVSS Narsipatnam	My Home	32.72	12		17.66125	82.60179	17.73006	83.30138
60	VISAKHAPATNAM	132kVSS Nakkavanipalem	132kVSS Port	8.1	6		17.73836	83.30836	14.2747	80.09617
61	VISAKHAPATNAM	132kVSS Simhachalam	132kVSS VSEZ	12.25	2		17.75979	83.22055	14.2747	80.09617
62	VISAKHAPATNAM	132kVSS Araku	132kVSS Paderu	43.75	18		18.33712	82.86674	18.13141	82.63398
63	VISAKHAPATNAM	132kVSS Araku	132kVSS T.B.Vara	38.52	12		18.33712	82.86674	18.17113	83.12682
64	VISAKHAPATNAM	132kVSS Araku	Machkund Power House	68.4	14		18.33712	82.86674	15.31613	76.4977
	No of links	64		2039.713						
1	EASTGODAVARI	400kVSS Vemagiri	400KV IPP Gouthami	42.179	18		16.94216	81.80605	17.07621	82.10538
2	EASTGODAVARI	400kVSS Vemagiri	220kVSS Duvva	35.587	4	24	16.94216	81.80605	16.76166	81.63439
3	EASTGODAVARI	400kVSS Vemagiri	220kVSS Bommuru	4.154 (ADSS)	7	24	16.94216	81.80605	16.96381	81.80203

4	EASTGODAVARI	400kVSS Vemagiri	220kVSS Bommuru	3.796 (OPGW)	10		16.94216	81.80605	16.96381	81.80203
5	EASTGODAVARI	220kVSS Bommuru	400kVSS Vemagiri	5.059	6		16.96381	81.80203	16.94216	81.80605
6	EASTGODAVARI	400kVSS Vemagiri	400KV IPP GMR	2.57	8		16.94216	81.80605	17.00536	81.86903
7	EASTGODAVARI	400kVSS Vemagiri	400KV IPP GVK	7.63	8		16.94216	81.80605	17.00536	81.86903
8	EASTGODAVARI	220kVSS Kakinada	220kVSS Bommuru	64.142 (ADSS)	2		17.01624	82.24984	16.96381	81.80203
9	EASTGODAVARI	220kVSS Kakinada	220kVSS Bommuru	66.391 (OPGW)	0	24	17.01624	82.24984	16.96381	81.80203
10	EASTGODAVARI	220kVSS Kakinada	220KV IPP Spectrum	9.595	20		17.01624	82.24984	17.05827	82.31003
11	EASTGODAVARI	220kVSS Kakinada	132kVSS Pratapnagar	11.376	2		17.01624	82.24984	16.97277	82.22022
12	EASTGODAVARI	220kVSS Kakinada	132kVSS Peddapuram	16.464	12	24	17.01624	82.24984	17.08521	82.12819
13	EASTGODAVARI	220kVSS Kakinada	132kVSS Silk road sugar	4.89	19		17.01624	82.24984	16.99611	82.27268
14	EASTGODAVARI	220kVSS Kakinada	132kVSS Gollapalem	27.978	4		17.01624	82.24984	16.84787	82.16183
15	EASTGODAVARI	220kVSS Samarlakota	132kVSS Ramachandrapuram	32.89	18		17.04251	82.12226	16.83333	82.03886
16	EASTGODAVARI	220kVSS Kakinada	220kVSS Samarlakota	46.87	0	12	17.01624	82.24984	17.04251	82.12226
17	EASTGODAVARI	220kVSS Samarlakota	220kVSS Bommuru	42.96	0	12	17.04251	82.12226	16.96381	81.80203
18	EASTGODAVARI	220kVSS Samarlakota	220KV IPP Reliance	2.972	20		17.04251	82.12226	17.04002	82.13875
19	EASTGODAVARI	220kVSS Samarlakota	132kVSS Biccavolu	13.622	20		17.04251	82.12226	16.97077	82.0359
20	EASTGODAVARI	220kVSS Ramavaram (LIS)	220kVSS Bavojieta (LIS)	27.1	18		17.1916	82.07065	17.21152	81.84
21	EASTGODAVARI	132kVSS Ramavaram	132kVSS Peddapuram	17.413	8		17.1916	82.07065	17.08521	82.12819
22	EASTGODAVARI	132kVSS Ramavaram	132kVSS Prathipadu	23.975	8		17.1916	82.07065	16.17348	80.34663
23	EASTGODAVARI	132kVSS	132kVSS	16.404	6		17.08521	82.12819	17.12928	82.25367

		Peddapuram	Pithapuram							
24	EASTGODAVARI	132kVSS Peddapuram	132kVSS Prathipadu	22.09	6		17.08521	82.12819	16.17348	80.34663
25	EASTGODAVARI	132kVSS Pithapuram	132kVSS Koruprolu	69.21	6		17.12928	82.25367	17.42065	82.76567
26	EASTGODAVARI	132 kVSS Pithapuram	132kVSS Lyfius	25.01	2		17.12928	82.25367	14.2747	80.09617
27	EASTGODAVARI	132kVSS Lyfius	132kVSS Koruprolu	49.47	2		14.2747	80.09617	17.42065	82.76567
28	EASTGODAVARI	132kVSS Gollapalem	132kVSS Yanam	25	20		16.84787	82.16183	16.73484	82.21428
29	EASTGODAVARI	132kVSS Gollapalem	132kVSS Pratapnagar	19	10		16.84787	82.16183	16.97277	82.22022
30	EASTGODAVARI	220kVSS Bommuru	220KV Lower sileru(PH)	118.66	16		16.96381	81.80203	17.8706	81.65923
31	EASTGODAVARI	220kVSS Bommuru	220kVSS Bavojipeta (LIS)	35.942	16		16.96381	81.80203	17.21152	81.84
32	EASTGODAVARI	220kVSS Bommuru	220KV IPP GVK	8.945	20		16.96381	81.80203	17.00536	81.86903
33	EASTGODAVARI	220kVSS Bommuru	132kVSS Rajanagaram	19.36	20		16.96381	81.80203	17.04814	81.94419
34	EASTGODAVARI	220kVSS Bommuru	132kVSS Mallayyapeta	18.14	14		16.96381	81.80203	17.03191	81.77664
35	EASTGODAVARI	220kVSS Bommuru	132kVSS Nidadavolu	18.025	4	24	16.96381	81.80203	16.92879	81.67767
36	EASTGODAVARI	220kVSS Bavojipeta (LIS)	220kVSS Purushothapatnam	23.986	20		17.21152	81.84	17.25342	81.66114
37	EASTGODAVARI	220kVSS Bavojipeta (LIS)	220kVSS Rampachodavaram	30.795	14		17.21152	81.84	17.43195	81.78767
38	EASTGODAVARI	220KV Lower sileru(PH)	220KV Donkarayi(PH)	24.246	18		17.8706	81.65923	17.93344	81.81065
39	EASTGODAVARI	132kVSS Ramachandrapura m	132kVSS Amalapuram	32.1	2		16.83333	82.03886	16.58018	81.99514
40	EASTGODAVARI	132kVSS Ramachandrapura m	132kVSS Mummidivaram	35.342	2		16.83333	82.03886	16.63274	82.09329
41	EASTGODAVARI	132kVSS	132kVSS	39.454	2		16.83333	82.03886	16.70564	81.89717

		Ramachandrapuram	Kothapeta							
42	EASTGODAVARI	132kVSS Amalapuram	132kVSS Mummidivaram	16	6		16.58018	81.99514	16.63274	82.09329
43	EASTGODAVARI	132kVSS Mummidivaram	132kVSS Kothapeta	28.15	2		16.63274	82.09329	16.70564	81.89717
44	EASTGODAVARI	132kVSS Amalapuram	132kVSS Razole	24.489	18		16.58018	81.99514	16.46263	81.84436
45	EASTGODAVARI	132kVSS Editha	132kVSS RVK	14.863	20		16.87052	81.89774	14.2747	80.09617
46	EASTGODAVARI	220KV Lower sileru(PH)	220kVSS Chinturu	36.5	16		17.8706	81.65923	17.75299	81.41098
47	EASTGODAVARI	220kVSS Bommuru	132kVSS RVK	10.732 (ADSS)	19		16.96381	81.80203	14.2747	80.09617
	No of links	47		1003.651						
1	WESTGODAVARI	400kVSS K.Kota	400kVSS Surya peta	186	16		17.68652	82.98142	17.08521	82.12819
2	WESTGODAVARI	400kVSS K.Kota	220kVSS K.Kota	5.8	14		17.68652	82.98142	17.68652	82.98142
3	WESTGODAVARI	400kVSS K.Kota	220kVSS K.Kota Tie-III	6.61	6	12	17.68652	82.98142	17.82939	83.22833
4	WESTGODAVARI	400kVSS K.Kota	220kVSS Bhimadolu	20.38	14		17.68652	82.98142	16.82391	81.25923
5	WESTGODAVARI	400kVSS K.Kota	400kVSS Guddigudem	49.11	4		17.68652	82.98142	17.14977	81.52321
6	WESTGODAVARI	400kVSS Guddigudem	220kVSS Pattiseema	24.092	14		17.14977	81.52321	17.22806	81.63431
7	WESTGODAVARI	400kVSS Guddigudem	220kVSS Pallantla	30.04	10		17.14977	81.52321	16.99662	81.55965
8	WESTGODAVARI	400kVSS Guddigudem	220kVSS Purushothapatnam	26.1	16		17.14977	81.52321	17.25342	81.66114
9	WESTGODAVARI	400kVSS K.Kota	220kVSS Nuziveedu	66.79	0		17.68652	82.98142	16.56504	81.38372
10	WESTGODAVARI	400kVSS K.Kota	220kVSS Bommuru	94.267	2		17.68652	82.98142	16.96381	81.80203
11	WESTGODAVARI	400kVSS K.Kota	400kVSS Vemagiri	92.19	6		17.68652	82.98142	16.94216	81.80605
12	WESTGODAVARI	400kVSS K.Kota	400kVSS Vemagiri	106.14	15		17.68652	82.98142	16.94216	81.80605
13	WESTGODAVARI	220kVSS K.Kota	132 kVSS K.Kota	0.79	8		17.68652	82.98142	13.67242	78.27529

14	WESTGODAVARI	220kVSS K.Kota	Jangareddygudem 132kVSS	17.238	12		17.68652	82.98142	17.12504	81.27096
15	WESTGODAVARI	220kVSS K.Kota	132kVSS Nallajerla	34.069	2		17.68652	82.98142	16.94291	81.39785
16	WESTGODAVARI	220kVSS K.Kota	132kVSS Chintalapudi	27.957	13		17.68652	82.98142	17.05365	80.98433
17	WESTGODAVARI	220kVSS Bhimadolu	132kVSS Pedavegi	31.718	4		16.82391	81.25923	16.80931	81.10901
18	WESTGODAVARI	220kVSS Bhimadolu	220kVSS Nuziveedu	52	2	24	16.82391	81.25923	16.56504	81.38372
19	WESTGODAVARI	220kVSS Bhimadolu	132kVSS PT Palli	27.8	0	24	16.82391	81.25923	16.84055	81.49917
20	WESTGODAVARI	220kVSS Bhimadolu	132kVSS Narayanapuram	15.26	6		16.82391	81.25923	16.86037	81.35494
21	WESTGODAVARI	132kVSS Narayanapuram	132kVSS PT Palli	20.6	6		16.86037	81.35494	16.84055	81.49917
22	WESTGODAVARI	220kVSS Bhimadolu	132kVSS Eluru	28.403	2	12	16.82391	81.25923	16.69977	81.09611
23	WESTGODAVARI	132kVSS Pedavegi	132kVSS Eluru	28.823	0		16.80931	81.10901	16.69977	81.09611
24	WESTGODAVARI	132kVSS Nallajerla	132kVSS Yernagudem	21.157	10		16.94291	81.39785	16.99425	81.50831
25	WESTGODAVARI	220kVSS Bhimadolu	220kVSS Bommuru	72 (ADSS)	18		16.82391	81.25923	16.96381	81.80203
26	WESTGODAVARI	220kVSS Bhimadolu	220kVSS Bommuru	72 (OPGW)	0	24	16.82391	81.25923	16.96381	81.80203
27	WESTGODAVARI	220kVSS Bhimadolu	VTPS	92.2 Kms (ADSS)	0		16.82391	81.25923	16.60068	80.53682
28	WESTGODAVARI	220kVSS Bhimadolu	Dwaraka Tirumala 132kVSS	17.824	2		16.82391	81.25923	16.94906	81.23646
29	WESTGODAVARI	220kVSS Bhimadolu	220kVSS K.Kota	23.23	2		16.82391	81.25923	17.68652	82.98142
30	WESTGODAVARI	Dwaraka Tirumala 132kVSS	K.Kota 220kVSS	8.853	2		16.94906	81.23646	17.68652	82.98142
31	WESTGODAVARI	T.Narasapuram 132kVSS	132kVSS K.Kota	15.56	16		16.43442	81.68752	17.68652	82.98142
32	WESTGODAVARI	220KV Nidadavolu	220kVSS Pallantla	18.501	8		16.92879	81.67767	16.99662	81.55965
33	WESTGODAVARI	220kVSS	132 kVSS Kovvur	12.701	14		16.92879	81.67767	17.00971	81.73942

		Nidadavolu								
34	WESTGODAVARI	220kVSS Nidadavolu	132kVSS Saggonda	36.241	14		16.92879	81.67767	17.17268	81.60085
35	WESTGODAVARI	220kVSS Nidadavolu	Vijjeswaram	6.212	16		16.92879	81.67767	16.93458	81.72436
36	WESTGODAVARI	220kVSS Pallantla	220kVSS Bhimadolu	46.14	16		16.99662	81.55965	16.82391	81.25923
37	WESTGODAVARI	132kVSS Bhimavaram	132kVSS Narasapuram	24.842	14		16.55146	81.54533	16.43442	81.68752
38	WESTGODAVARI	132kVSS Bhimavaram	132kVSS Penugonda	34.406	14		16.55146	81.54533	16.65836	81.7545
39	WESTGODAVARI	220kVSS Undi	132kVSS Bhimavaram	10.446	10		16.57883	81.4786	16.55146	81.54533
40	WESTGODAVARI	132kVSS Nidadavolu	132kVSS PT Palli	22.580	8	24	16.92879	81.67767	16.84055	81.49917
41	WESTGODAVARI	220kVSS Duvva	132kVSS Nidadavolu	27.252	3		16.76166	81.63439	16.92879	81.67767
42	WESTGODAVARI	220kVSS Duvva	132kVSS Tanuku	26.374	9		16.76166	81.63439	16.74604	81.68155
43	WESTGODAVARI	220kVSS Duvva	220kVSS Undi	32.131	0	24	16.76166	81.63439	16.57883	81.4786
44	WESTGODAVARI	132kVSS Yernagudem	220kVSS K.Kota	37.494	1		16.99425	81.50831	17.68652	82.98142
45	WESTGODAVARI	132kVSS Saggonda	Andhra sugars Pvt Ltd.	2.501	8		17.17268	81.60085	16.76867	81.67348
46	WESTGODAVARI	220kVSS Undi	220kVSS Akiveedu	12.135	14		16.57883	81.4786	16.56504	81.38372
47	WESTGODAVARI	220kVSS Undi	220kVSS Gudiwada	60.45	4	24	16.57883	81.4786	16.46994	81.00958
48	WESTGODAVARI	220kVSS Akiveedu	220kVSS Gudiwada	49.242	14		16.56504	81.38372	16.46994	81.00958
49	WESTGODAVARI	Pallantla 220kVSS	Yernagudem 132kVSS	6.926	20		16.99662	81.55965	16.99425	81.50831
50	WESTGODAVARI	220kV K.Kota	132kVSS Dharmajigudem	29.7	16		17.68652	82.98142	17.61098	80.69835
	No of links	50		1552.495						
1	KRISHNA	132 KV Pamarru	132 KV Machilipatnam	24.99	14		16.3197	80.97036	16.18305	81.11673
2	KRISHNA	132 KV Pamarru	132	37.83	12		16.3197	80.97036	16.02461	80.92487

			KVAvanigadda							
3	KRISHNA	220 KV Gudiwada	220 KV Akivedu	49.24	14		16.46994	81.00958	16.56504	81.38372
4	KRISHNA	220 KV Gudiwaada	220 KVundi	60.45	8		16.46994	81.00958	16.57883	81.4786
5	KRISHNA	220 KV Gudivada	132 KV Pamarru	30	0	24	16.46994	81.00958	16.3197	80.97036
6	KRISHNA	220 KV Gudivada	132 KV Kanumolu	23.34	0		16.46994	81.00958	16.61402	80.97259
7	KRISHNA	220 KVGudivada	220 KVNunna	42.43	2	24	16.46994	81.00958	16.5649	80.6803
8	KRISHNA	220 KV Kondapalli	132 KV Mylavarm	24.14	4		16.6394	80.55559	17.1916	82.07065
9	KRISHNA	132 KV Mylavarm	220 KV A.Konduru	23.34	16		17.1916	82.07065	18.36285	83.7796
10	KRISHNA	132 KV Kambhampadu	220 KV A.Konduru	6	16		16.98772	80.65794	18.36285	83.7796
11	KRISHNA	220 KV Kondapalli	220 KV Nuzividu	47.92	0		16.6394	80.55559	16.78637	80.85977
12	KRISHNA	132 KV Bhavanipuram	VTPS-I	13.44	8		16.52647	80.58898	16.60068	80.53682
13	KRISHNA	132 KV Bhavanipuram	132 KV Vijayawada	3.7	6		16.52647	80.58898	16.50979	80.61136
14	KRISHNA	220 KV Gunadala	132 KV Rangannagudem	41.814	16		16.52113	80.67272	16.6408	80.89857
15	KRISHNA	220 KV Gunadala	132 KV Gangoor	15.9	0	24	16.52113	80.67272	16.45976	80.73618
16	KRISHNA	220 KV Gunadala	132 KV Autonagar	3.7	2		16.52113	80.67272	16.49961	80.67158
17	KRISHNA	220 KV Gudiwada	132 KV Chigurukota	20.795	14		16.46994	81.00958	16.47773	81.18092
18	KRISHNA	220 KV Chillakallu	132 KV Nandigama	26.1	14		16.90114	80.13435	16.76046	80.27488
19	KRISHNA	220 KV Chillakallu	VTPS-I	72.5	11		16.90114	80.13435	16.60068	80.53682
20	KRISHNA	220 KV Gunadala	VTPS-I	21	3	24	16.52113	80.67272	16.60068	80.53682
21	KRISHNA	220 KV Nunna	220 KV Gunadala SLDC	8.14	12		16.5649	80.6803	16.52113	80.67272
22	KRISHNA	220 KV Nunna	220 KV Gunadala	7.58Km	24		16.5649	80.6803	16.52113	80.67272
22	KRISHNA	220 KV Nunna	VTPS-I	19.24	2	24	16.5649	80.6803	16.60068	80.53682
23	KRISHNA	VTPS-I	220 KV Nuziveedu	69.28	0	24	16.60068	80.53682	16.56504	81.38372
24	KRISHNA	VTPS stage IV	220 KV Nunna	22.36	2	12	16.60068	80.53682	16.5649	80.6803

25	KRISHNA	220 KV Nuzividu	132 Kv Narsapuram	27.2	14		16.78637	80.85977	16.43442	81.68752
26	KRISHNA	220 KV Gunadala	132 KV Moghalrajpuram GIS	8.125	40		16.52113	80.67272	16.50879	80.63255
27	KRISHNA	VTPS-I	220 KV SS Bhimadole	92	0		16.60068	80.53682	16.82391	81.25923
28	KRISHNA	220 KV Nuzividu	220 KV Bhimadole	52.2	1	24	16.78637	80.85977	16.82391	81.25923
29	KRISHNA	VTPS stage IV	VTPS-I	1.48	6	12	16.60068	80.53682	16.60068	80.53682
30	KRISHNA	220 KV Nuzividu	132 KV Mylavaram	39.36	2		16.78637	80.85977	17.1916	82.07065
31	KRISHNA	220 KV Nuziveedu	220 KV K.Kota	69.24	0		16.56504	81.38372	13.67242	78.27529
32	KRISHNA	VTPS stage IV	220 KV Suryapet	138 (APTRA NSCO Jurisdiction is 76.127 Kms)	1	12	16.60068	80.53682	14.26705	78.49212
	No of links	32		997.254						
1	GUNTUR	VTPS stageIV	400 KV Thallayapalem	11.8	20		16.46209	80.59245	16.25849	80.71577
2	GUNTUR	VTPS stageIV	400 KV Sattenapalli	68.13	0	12	16.46209	80.59245	16.39886	80.13146
3	GUNTUR	220 KV Nunna	400 KV Sattenapalli	73	0	12	16.5649	80.6803	16.39886	80.13146
4	GUNTUR	400 KV SS Thalayapalem	400 KV Satenapalli	68.12	0		16.25849	80.71577	16.39886	80.13146
5	GUNTUR	VTPS-I	220 KV Tadikonda	28.16	0	12	16.60068	80.53682	16.40158	80.42317
6	GUNTUR	VTPS-I	220 KV Tallapalli	137	2		16.60068	80.53682	16.51201	79.38506
7	GUNTUR	VTPS-I	220 KV Piduguralla	76.7	0		16.60068	80.53682	16.464	79.91616
8	GUNTUR	Tallapally	220KV Shree Cement	38.72	0	24	16.51201	79.38506	15.51022	78.20855
9	GUNTUR	220 KV Piduguralla	220 KV shree Cement	25.471	0	24	16.464	79.91616	15.51022	78.20855

10	GUNTUR	220kvss Shree Cement SS- M/s. Shree Cement Plant		2.7	18		18.53783	83.34343		
11	GUNTUR	220KVTadikonda	132 KV Guntur	24.644	6		16.40158	80.42317	16.27671	80.46399
12	GUNTUR	220KV Tadikonda	132 KV AIIMS	23.32	8	24	16.40158	80.42317	16.44959	80.57578
13	GUNTUR	220 KVTadikonda	220 KVPiduguralla	64.8	6	24	16.40158	80.42317	16.464	79.91616
14	GUNTUR	220 KVTadikonda	132 KV Rentapalla	37.586	4		16.40158	80.42317	16.4574	80.15968
15	GUNTUR	220 KV Tadikonda	132KV Gujjanagundla	9.54	16		16.40158	80.42317	16.33179	80.38931
16	GUNTUR	220 KV Tadikonda	132KV Gujjanagundla	10.327	20		16.40158	80.42317	16.33179	80.38931
17	GUNTUR	132 KV Gujjangundla	132 KV Nallapadu	7.575	6		16.33179	80.38931	16.29007	80.36365
18	GUNTUR	132 KVGujjangundla	132 KVMarripalem	25.282	4		16.33179	80.38931	16.18662	80.27509
19	GUNTUR	220 KV Tadikonda	220 KV Prathipadu	32.42	0	24	16.40158	80.42317	16.17348	80.34663
20	GUNTUR	220 KVRentachintala	220 KV Tallapally	18.313	16		16.56492	79.51864	16.51201	79.38506
21	GUNTUR	220 KVRentachintala	132 KV Macherla	15.888	14		16.56492	79.51864	16.4725	79.44256
22	GUNTUR	220 KV Rentachintala	132 KVTailpond	9.34	20		16.56492	79.51864	16.40158	80.42317
23	GUNTUR	220 KVNarasaraopet	400 KVSattenapally	21.23	10		16.24094	80.07824	16.39886	80.13146
24	GUNTUR	220 KV Narasaraopet	132 KV Vinukonda	58.74	0		16.24094	80.07824	16.06199	79.73988
25	GUNTUR	220 KVNarasaraopet	132 KV Chilakaluripet	28.87	2		16.24094	80.07824	16.1146	80.1884
26	GUNTUR	132 KV Chilakaluripet	132 KV Yadavally	24.17	4		16.1146	80.1884	16.6394	80.55559
27	GUNTUR	132 KVNallapadu	132 KVMarripalem	19.26	8		16.29007	80.36365	16.18662	80.27509
28	GUNTUR	220 KV Prathipadu	400 KV Sattenapally	49.82	8	24	16.17348	80.34663	16.39886	80.13146
29	GUNTUR	220KV Prathipadu	132KV Guntur	27.194	0	24	16.17348	80.34663	16.27671	80.46399
30	GUNTUR	220 KV Prathipadu	132 KVTenali	37.8	8		16.17348	80.34663	16.23862	80.6331

31	GUNTUR	220 KV Prathipadu	132 KV Ponnur	26.56	16		16.17348	80.34663	16.07976	80.548
32	GUNTUR	132 KV Guntur	132 KV Tenali	24.64	2		16.27671	80.46399	16.23862	80.6331
33	GUNTUR	132 KV Rentapalla	220 KV Piduguralla	44.98	4		16.4574	80.15968	16.464	79.91616
34	GUNTUR	220 KV Piduguralla	132 KV Tangeda	35.94	4		16.464	79.91616	16.65889	79.81445
35	GUNTUR	220 KV Piduguralla	132 KV Karamapudi	23.83	14		16.464	79.91616	16.41443	79.72111
36	GUNTUR	132 KV Macherla	RCPH	21.66	20		16.4725	79.44256	17.76131	83.26332
37	GUNTUR	132 KV Macherla	132 KV Veldurthy	22.84	16		16.4725	79.44256	17.82939	83.22833
38	GUNTUR	132 KV Tadepalli	132 KV AIIMS	3.9	8	24	16.46209	80.59245	16.44959	80.57578
39	GUNTUR	132 KV Tadepalli	Undavalli	4.85	8		16.46209	80.59245	16.5034	80.58062
40	GUNTUR	132 KV Chakrayapalem	132 KV Tenali	18.96	4		16.25849	80.71577	16.23862	80.6331
41	GUNTUR	132 KV Chakrayapalem	132 KV Repalle	38.44	10		16.25849	80.71577	16.01528	80.81658
42	GUNTUR	132 KV Repalle	132 KV Tenali	34.81	10		16.01528	80.81658	16.23862	80.6331
43	GUNTUR	132 KV Repalle	132 KV Bapatla	52.1	14		16.01528	80.81658	15.89973	80.4552
44	GUNTUR	220 KV Tallapally	N.Sagar	13.11	18		16.51201	79.38506	13.33486	79.63456
45	GUNTUR	400 KV Sattenapalli	SSLM LB	169	2		16.39886	80.13146	16.08022	78.90412
46	GUNTUR	400 KV Sattenapalli	SSLM RB	165	0		16.39886	80.13146	16.08022	78.90412
47	GUNTUR	220 KV Tallapally	Srisailam RB	104.56	18		16.51201	79.38506	16.08022	78.90412
	No of links	47		1881.1						
1	ONGOLE	132 KV Bapatla	220KV SS Parchuru	26.4	10		15.89973	80.4552	15.98749	80.26865
2	ONGOLE	400 KV SS Sattenapalli	220 KV Parchuru	57.18	6		16.39886	80.13146	15.98749	80.26865
3	ONGOLE	400 KV SS Sattenapalli	400 KV Podili	113.25	5	24	16.39886	80.13146	15.58028	79.76459
4	ONGOLE	220 KV Tadikonda	220 KV SS Ongole	114.745	2		16.40158	80.42317	15.50299	80.02748
5	ONGOLE	132 KV SS Vinukonda	132 KV Marturu	57.2	6		16.06199	79.73988	15.96403	80.09675
6	ONGOLE	132 KV SS	132 KV Marturu	17.87	2		14.2747	80.09617	15.96403	80.09675

		Yadavally								
7	ONGOLE	220KVSS Ongole	220 KV SS Prathipadu	87.078	0	24	15.51353	80.0379	16.17348	80.34663
8	ONGOLE	400KVSS Podili	220KV SS Kandukuru	60.864	15		15.58028	79.76459	15.20813	79.93893
9	ONGOLE	400KVSS Podili	220KVSS Podili	9.887	14	12	15.58028	79.76459	15.58028	79.76459
10	ONGOLE	220KVSS Ongole	220 KV SS Podili	31.971	12		15.51353	80.0379	15.58028	79.76459
11	ONGOLE	220KVSS Ongole	132KVSS Ongole	2.64	4		15.51353	80.0379	15.51353	80.0379
12	ONGOLE	220KVSS Ongole	132 KV Tanguturu	19.441	14		15.51353	80.0379	15.34669	80.02604
13	ONGOLE	220KVSS Ongole	220 KV SS Kandukuru	41.298	0	24	15.51353	80.0379	14.91088	79.97972
14	ONGOLE	220 KV SS Ongole	220 KV SS Kandukuru	41.511	2		15.50299	80.02748	14.91088	79.97972
15	ONGOLE	220KVSS Podili	220 KV SS Parchuru	78.468	14		15.58028	79.76459	15.98749	80.26865
16	ONGOLE	220KVSS Podili	132 KV SS Kanigiri	47.138	2		15.58028	79.76459	15.39821	79.50928
17	ONGOLE	220KVSS Podili	132 KV M.Metala	58.755	5		15.58028	79.76459	15.67618	80.01257
18	ONGOLE	220KVSS Podili	132 KV Lingasamudram	55.147	15		15.58028	79.76459	15.12514	79.71395
19	ONGOLE	220KVSS Podili	132 KV Darsi	30.272	14		15.58028	79.76459	15.79091	79.65573
20	ONGOLE	220KVSS Podili	220 KV SS Markapuram	74.421	16		15.58028	79.76459	17.68824	83.25264
21	ONGOLE	220 KV SS Parchuru	132 KV Chirala	23.585	10		15.98749	80.26865	15.79923	80.3207
22	ONGOLE	220 KV SS Parchuru	132 KV Marturu	19.916	12		15.98749	80.26865	15.96403	80.09675
23	ONGOLE	220 KV SSParchuru	132 KV Inkollu	26.319	2		15.98749	80.26865	15.82996	80.18346
24	ONGOLE	220 KV SS Markapuram	132 KV Cumbum	30.58	10		17.68824	83.25264	15.59111	79.11648
25	ONGOLE	220 KV SS Markapuram	132 KV Kesinenipally	19.733	16		17.68824	83.25264	15.91697	79.3273
26	ONGOLE	220KVSS Kandukuru	132KVSS Kandukuru	15.236	14		15.20813	79.93893	15.20813	79.93893
27	ONGOLE	220KVSS	132KVSS	7.428	16		15.20813	79.93893	15.17301	80.01891

		Kandukuru	Ulavapadu							
28	ONGOLE	132KVSS Ongole	132 KV Inkollu	41.733	4	6	15.51353	80.0379	15.82996	80.18346
29	ONGOLE	132KVSS Ongole	220 KV Parchuru	62.813	2		15.51353	80.0379	15.98749	80.26865
30	ONGOLE	132 KV SS M.Metla	132 KV Kanigiri	76.656	4		15.67618	80.01257	15.39821	79.50928
31	ONGOLE	132 KV SS M.Metla	132 KV Addanki	23.326	16		15.67618	80.01257	15.85103	79.9734
32	ONGOLE	132 KV Cumbum	132 KV Giddaluru	39.303	2		15.59111	79.11648	15.37871	78.93484
33	ONGOLE	132 KV Cumbum	132 KV Annumalapally	48.577	2		15.59111	79.11648	15.49757	78.95324
34	ONGOLE	132 KV Dornala	132 KV Y.Palem	34.737	0	6	15.91079	79.07925	16.25849	80.71577
35	ONGOLE	132 KV SS Kanigiri	132 KV pamuru	38.966	14		15.39821	79.50928	15.09965	79.39482
36	ONGOLE	132 KV Giddaluru	132 KV Annumalapally	24.459	2		15.37871	78.93484	15.49757	78.95324
37	ONGOLE	132 KV Dornala	132 KV Srisailam	35.186	0	6	15.91079	79.07925	16.08022	78.90412
38	ONGOLE	132 KV Y.Palem	Srisailam	68.559	4		16.25849	80.71577	16.08022	78.90412
	No of links	38		1662.648						
1	NELLORE	400KVSS Podili	220 KV Atmakuru	127.526	3	12	15.58028	79.76459	15.88041	78.59951
2	NELLORE	132 KV Kavali	220 KV SS Kandukur	58.123	2	24	14.91088	79.97972	14.91088	79.97972
3	NELLORE	220KVSS Ongole	132 KV Kavali	72.221	4		15.51353	80.0379	14.91088	79.97972
4	NELLORE	220 KV Nellore	220 KV SS Ongole	128.715	0	24	14.41127	79.9331	15.50299	80.02748
5	NELLORE	220 KV Racharlapadu (IFFCO SEZ)	220 KV SS Ongole	106.981	0		14.64255	79.96305	15.50299	80.02748
6	NELLORE	220 KV Racharlapadu (IFFCO SEZ)	220 KV SS Kandukuru	74.076	2		14.64255	79.96305	14.91088	79.97972
7	NELLORE	400 KV SS Manubolu	400 KV Krishnapatnam	39.18	4		14.22083	79.88502	14.2747	80.09617
8	NELLORE	400 KV SS Manubolu	220 KV SS Nellore	30.827	0	24	14.22083	79.88502	14.41127	79.9331
9	NELLORE	400 KV SS Manubolu	220 KV SS Sullurpet	73.383	0	24	14.22083	79.88502	13.70856	79.99344

10	NELLORE	400 KV SS Manubolu	132 KV SS Chendodu	32.42	4		14.22083	79.88502	14.03161	80.02773
11	NELLORE	400 KV SS Manubolu	132 KV Gudur	`	2	24	14.22083	79.88502	15.78124	77.7949
12	NELLORE	400 KV SS Manubolu	132 KV Rapur	36.548	13		14.22083	79.88502	14.24928	79.59123
13	NELLORE	220 KV Nellore	132 KV Brahmadevam	19.636	0		14.41127	79.9331	14.3518	80.06072
14	NELLORE	132 KV SS Korutur	132 KV SS Kallurupalli (Golgamudi)	32.155	0		14.47971	80.153	14.3466	79.96663
15	NELLORE	220 KV SS Nellore	Kallurupalli (Golgamudi) -400 KV Manubolu	48.876	1		14.41127	79.9331	14.22083	79.88502
16	NELLORE	400 KV Manubolu	132 KV Kallurupalli (Golagamudi)	23.2	0		14.22083	79.88502	14.3466	79.96663
17	NELLORE	220 KV Nellore	220 KV Racharlapadu (IFFCO SEZ)	34.55	0		14.41127	79.9331	14.64255	79.96305
18	NELLORE	220 KV Nellore	220 KV SS Atmakur	58.383	0	12	14.41127	79.9331	15.88041	78.59951
19	NELLORE	220 KV Nellore	132 KV N.V Gardens	19.5	11		14.41127	79.9331	14.47075	80.04026
20	NELLORE	220 KV Nellore	132 KV Adurupalli	44.63	14		14.41127	79.9331	14.44606	79.59825
21	NELLORE	220 KV Racharlapadu (IFFCO SEZ)	132 KV Kavali	40.55	0	24	14.64255	79.96305	14.91088	79.97972
22	NELLORE	220KVRacharlapa du (IFFCO SEZ)	132 KV N.T.S	23.22	8		14.64255	79.96305	14.2747	80.09617
23	NELLORE	220 KV SS Racharlapadu (IFFCO SEZ)	132 KV SS Allur	28.59	16		14.64255	79.96305	14.68428	80.06623
24	NELLORE	220 KV SS Racharlapadu (IFFCO SEZ)	132 KV SS Dagadarthi.	21.7	16		14.64255	79.96305	14.69948	79.98787
25	NELLORE	220 KV SS Atmakur	132 KV Udayagiri	53.85	10		15.88041	78.59951	14.87382	79.31631

26	NELLORE	220 KV SS Atmakur	132 KV Vinjamur	25.55	14		15.88041	78.59951	14.81263	79.5626
27	NELLORE	220 KV SS Atmakur	132 KV SS Atmakur	6.87	6		15.88041	78.59951	15.88041	78.59951
28	NELLORE	220 KV SS Atmakur	Ananthasagaram	42.4	12		15.88041	78.59951	14.59274	79.36575
29	NELLORE	220 KV SS Naidupet	132 KV SS Naidupet	12.52	12		13.88182	79.87523	13.88182	79.87523
30	NELLORE	220 KV SS Naidupet	132 KV Menakur	6.651	16		13.88182	79.87523	13.92124	79.81358
31	NELLORE	220 KV SS Naidupeta	132 KV SS Gottiprolu	34.079	13		13.89388	79.79772	13.94372	79.98906
32	NELLORE	132 KV Gudur	220 KV SS Naidupet	38.9	2		15.78124	77.7949	13.88182	79.87523
33	NELLORE	132 KV Gudur	132 KV Menakur	28.28	2		15.78124	77.7949	13.92124	79.81358
34	NELLORE	220 KV SS Sullurpet	SHAR	26.64	16		13.70856	79.99344	17.94449	83.21971
35	NELLORE	220 KV SS Sullurpet	400 KV SS Rachagunneri	77.74	4		13.70856	79.99344	13.72998	79.62733
36	NELLORE	400 KV Krishnapatnam (APGENCO)	400 KV SS Rachagunneri	108.88	8		14.3276	80.12211	13.72998	79.62733
37	NELLORE	220 KV SS Naidupet	220 KV SS Rachagunneri	32.89	12		13.88182	79.87523	13.72998	79.62733
38	NELLORE	132 KV SS Venkatagiri	220 KV SS Rachagunneri	36.145	16		13.95557	79.59645	13.72998	79.62733
39	NELLORE	400 KV Manubolu	400 KV SS Rachagunneri	90.08	3	24	14.22083	79.88502	13.72998	79.62733
	No of links	39	1796.465							
1	KADAPA	RTPP 400KV	RTPP 220KV	2.018	10	24	17.00536	81.86903	17.00536	81.86903
2	KADAPA	RTPP 400 KVSS	Kalikiri 400 KVSS	166.5	6	24	17.00536	81.86903	13.65311	78.75745
3	KADAPA	Jammalamadugu 400 kvss	Tirumalayapalli 220kvss	30.08	20		14.93205	78.31466	14.90643	78.13798
4	KADAPA	400 kV SS Jammalamadugu	220 kV Mylavaram PSS-1	12.16	8		14.93205	78.31466	17.1916	82.07065
5	KADAPA	400 kV SS Jammalamadugu	220 kV Mylavaram PSS-2	9.64	8		14.93205	78.31466	17.1916	82.07065

6	KADAPA	400 kV SS Jammalamadugu	220 kV Mylavaram PSS-3	10.66	20		14.93205	78.31466	17.1916	82.07065
7	KADAPA	400 kV SS Jammalamadugu -	220 kV Mylavaram PSS-4	11.55	20		14.93205	78.31466	17.1916	82.07065
8	KADAPA	Jammalamadugu 400 kvss	Porumamilla 220kvss	105.42	17		14.93205	78.31466	14.99631	78.98974
9	KADAPA	Jammalamadugu 400 kvss	Jammalamadugu 132KVSS	14.04	16	24	14.93205	78.31466	14.93205	78.31466
10	KADAPA	Jammalamadugu 400 kvss	Animala 220kvss	79.57	6		14.93205	78.31466	14.48646	78.50749
11	KADAPA	Jammalamadugu 400 kvss	Pulivendula 220kvss	75.94	10		14.93205	78.31466	14.40372	78.2288
12	KADAPA	Jammalamadugu 400 kvss	RTPP 220 kvss	73.578	2		14.93205	78.31466	17.00536	81.86903
13	KADAPA	Kadapa 220kvss	Mydukur 220kvss	33.55	18		14.47766	78.83701	14.72221	78.75288
14	KADAPA	Kadapa 220kvss	Chinnakampalli 220kvss	15	2	24	14.47766	78.83701	14.38217	78.80139
15	KADAPA	Rajampeta 220kvss	CK Palli 220kvss	59	6		14.17582	79.13599	14.3771	78.45993
16	KADAPA	Rajampeta 220kvss	Kodur 220kvss	40.36	4		14.17582	79.13599	13.98422	79.33709
17	KADAPA	Chakraipeta 220 kvss	Animala 220kvss	14	8		14.26705	78.49212	14.48646	78.50749
18	KADAPA	RTPP 220 kvss	Anantapur 220 kvss	104.24	2		17.00536	81.86903	14.69709	77.63958
19	KADAPA	RTPP 220 kvss	Yerraguntla 220 kvss	17.16	6	24	17.00536	81.86903	14.62466	78.54049
20	KADAPA	RTPP 220 kvss	Thimmapuram 220kvss	47.2	0	24	17.00536	81.86903	14.70865	78.09848
21	KADAPA	RTPP 220 kvss	Pulivendula 220kvss	45.43	2		17.00536	81.86903	14.40372	78.2288
22	KADAPA	RTPP 220 kvss	Animala 220kvss	48.37	4		17.00536	81.86903	14.48646	78.50749
23	KADAPA	RTPP 220 kvss	Chakraipeta 220 kvss	61.66	6		17.00536	81.86903	14.26705	78.49212
24	KADAPA	Thimmapuram 220kvss	Kondapuram 220 kvss	10.68	10		14.70865	78.09848	14.7618	78.16567
25	KADAPA	Chinnakampalli	Renigunta 220 kvss	136.268	2	24	14.38217	78.80139	13.63948	79.51659

		220 kvss								
26	KADAPA	Chinnakampalli 220 kvss	RTPP 220 kvss	65.13	2		14.38217	78.80139	17.00536	81.86903
27	KADAPA	Chinnakampalli 220 kvss	Kalikiri 220 kvss	87.86	0	24	14.38217	78.80139	13.65311	78.75745
28	KADAPA	Chinnakampalli 220kvss	Thimmapuram 220kvss	73.56	2		14.38217	78.80139	14.70865	78.09848
29	KADAPA	Kadapa 220kvss	Chowtapalli 132kvss	12.12	18		14.47766	78.83701	14.46895	78.80105
30	KADAPA	Rajampeta 220kvss	TG Palli 132kvss	21.8	18		14.17582	79.13599	16.46209	80.59245
31	KADAPA	Porumamilla 220kvss	Badvel 132kvss	18.7	16		14.99631	78.98974	14.71006	79.05824
32	KADAPA	Porumamilla 220kvss	Porumamilla 132kvss	20.1	13		14.99631	78.98974	14.99631	78.98974
33	KADAPA	Porumamilla 220kvss	Kalasapadu 132kvss	34.35	20		14.99631	78.98974	15.10455	78.92782
34	KADAPA	Porumamilla 220kvss	B.Mattam 132kvss	16.48	17		14.99631	78.98974	14.2747	80.09617
35	KADAPA	Kondapuram 220kvss	GKLIS 132kvss	4.4	16		14.77551	78.18279	14.2747	80.09617
36	KADAPA	Yerraguntla 220kvss	Muddanur 132kvss	25.72	20		14.62466	78.54049	14.68795	78.40304
37	KADAPA	Yerraguntla220kvs s	Vempalli 132kvss	42.68	6		14.62466	78.54049	14.3771	78.45993
38	KADAPA	Yerraguntla 220kvss	Pulivendula 132kvss	47.48	8		14.62466	78.54049	14.40372	78.2288
39	KADAPA	Yerraguntla 220kvss	Proddatur 132kvss	17.23	4		14.62466	78.54049	14.74793	78.5283
40	KADAPA	Yerraguntla 220kvss	BCCL 132kvss	6.36	20		14.62466	78.54049	14.2747	80.09617
41	KADAPA	Chinnakampalli 220kvss	Rayachoti 132kvss	35.94	16		14.38217	78.80139	14.10892	78.74056

42	KADAPA	Chinnakampalli 220kvss	Moolavanka 132kvss	9.67	8		14.38217	78.80139	14.43955	78.80368
43	KADAPA	Pulivendula 220kvss	Balapanur 132kvss	12.92	8		14.40372	78.2288	14.53994	78.19415
44	KADAPA	Pulivendula 220kvss	Lingala 132kvss	16.61	8		14.40372	78.2288	14.51171	78.10102
45	KADAPA	Rayachoti 132kvss	Sambepalli 132kvss	14.97	16		14.10892	78.74056	13.99181	78.74801
46	KADAPA	Pulivendula 132kvss	Vempalli 132kvss	44.76	6		14.40372	78.2288	14.3771	78.45993
47	KADAPA	Proddatur 132kvss	Jammalamadugu 132kvss	21.98	0	24	14.74793	78.5283	14.93205	78.31466
48	KADAPA	Duvvur 132kvss	Proddatur 132kvss	31.68	0		14.82123	78.6735	14.74793	78.5283
49	KADAPA	Duvvur 132kvss	Jammalamadugu 132kvss	36.18	0		14.82123	78.6735	14.93205	78.31466
50	KADAPA	Pulivendula 220KVSS	Nallacheruvupalli 132KVSS	14.395	20		14.40372	78.2288	14.3466	79.96663
51	KADAPA	Chinnakampalli 220kvss	132 KVSS Satellite city	31.51	12		14.38217	78.80139	14.52474	78.73632
52	KADAPA	132 KV SS Rayachoty	132 KV SS T.Sundupalli	29.5	18		14.10892	78.74056	14.00416	78.88433
53	KADAPA	220 kV SS Pulivendula	220 kV SS Muthyalacheruvu	58.4	18		14.40372	78.2288	14.10072	78.12292
54	KADAPA	220 kV SS Chakrayapeta	132 kV SS Galiveedu	32.93	20		14.26705	78.49212	14.04861	78.45855
55	KADAPA	132KVSS Jammalamadugu	132KVSS Gandikota SUZLON PSS	25.44	16		14.93205	78.31466	17.01624	82.24984
56	KADAPA	220KVSS Rajampeta	132KVSS C.Orampadu	26.3	20		14.17582	79.13599	14.04085	79.25853
	No of links	56		2161.229						
1	ANANTAPUR	Talaricheruvu 400Kv	Jammulamadugu 400KVSS	32.36	9		14.97249	78.05049	14.93205	78.31466
2	ANANTAPUR	Uravakonda 400KVSS	Talaricheruvu 400Kv	105.5	14		14.91039	77.26789	14.97249	78.05049
3	ANANTAPUR	Uravakonda	Jammulamadugu	132	2		14.91039	77.26789	14.93205	78.31466

		400KVSS	400KVSS							
4	ANANTAPUR	Uravakonda 400KVSS	Veltoor 400kv	198 (127 AP)	4	12	14.91039	77.26789	16.46248	77.93431
5	ANANTAPUR	Uravakonda 400KVSS	Hindupur 400kv	135.387	14		14.91039	77.26789	13.85552	77.48145
6	ANANTAPUR	Uravakonda 400KVSS	Borampalli SM 220kvss	35	18		14.91039	77.26789	14.60679	77.23498
7	ANANTAPUR	Uravakonda 400KVSS	Borampalli TM 220kvss	34	20		14.91039	77.26789	14.60679	77.23498
8	ANANTAPUR	Uravakonda 400KVSS	Vajrakarur 220kvss	17	20		14.91039	77.26789	15.0026	77.33611
9	ANANTAPUR	Hindupur 400kvss	Uravakonda 400kvss	129	20		13.85552	77.48145	14.91039	77.26789
10	ANANTAPUR	Borampalli 220kvss	Kalyandurg 220kvss	16	20		14.60679	77.23498	14.56036	77.11962
11	ANANTAPUR	Kalyanadurg 220kvss	PABRHES 132kvss	70.97	2		14.56036	77.11962	14.2747	80.09617
12	ANANTAPUR	Kalyanadurg 220kvss	Anantapur 220kvss	64	0		14.56036	77.11962	14.69709	77.63958
13	ANANTAPUR	Kalyanadurg 220kvss	Ankampalli 132kvss	8	0		14.56036	77.11962	14.70622	77.23093
14	ANANTAPUR	Kalyanadurg 220kvss	Rayadurg 132kvss	31.99	18		14.56036	77.11962	14.68745	76.88096
15	ANANTAPUR	Anantapur 220kvss	Gooty Sw.st 220kvss	59	0	24	14.69709	77.63958	15.153	77.65432
16	ANANTAPUR	Anantapur 220kvss	Ramagiri 220kvss	63.3	8		14.69709	77.63958	14.28153	77.51204
17	ANANTAPUR	Anantapur 220kvss	Thimmapuram 220kvss	57.08	0	24	14.69709	77.63958	14.70865	78.09848
18	ANANTAPUR	Anantapur 220kvss	Dharmavaram 132kvss	37.78	18		14.69709	77.63958	14.42742	77.71127
19	ANANTAPUR	Ramagiri220kvss	Syapuram 220kvss	22.2	8		14.28153	77.51204	14.15154	77.52132
20	ANANTAPUR	Syapuram 220kvss	GootySW.St 220kvss	120	24		14.15154	77.52132	15.153	77.65432
21	ANANTAPUR	Syapuram 220kvss	Subbarayunipalli 220kvss	9.85	20		14.15154	77.52132	14.22824	77.54464
22	ANANTAPUR	Syapuram 220kvss	Bokkasampalli 220kvss	12	20		14.15154	77.52132	14.08704	77.53912

23	ANANTAPUR	Syapuram 220kvss	Hindupur 220kvss	23.426	20		14.15154	77.52132	13.85552	77.48145
24	ANANTAPUR	Subbarayunipalli 220kvss	KIA Erramanchi 2220kvss	13.165	8		14.22824	77.54464	16.18305	81.11673
25	ANANTAPUR	Subbarayunipalli 220kvss	Ammavarupalli 220kvss	11	8		14.22824	77.54464	14.17962	77.61285
26	ANANTAPUR	Bokkasampalli 220kvss	KIA Erramanchi 220kvss	16.864	8		14.08704	77.53912	16.18305	81.11673
27	ANANTAPUR	Bokkasampalli 220kvss	Ammavarupalli 220kvss	15.3	8		14.08704	77.53912	14.17962	77.61285
28	ANANTAPUR	Hindupur 220kvss	Thumukunta 132kvss	22.895	2	24	13.85552	77.48145	13.73126	77.50112
29	ANANTAPUR	Hindupur 220kvss	Jammulabanda 132kvss	47.34	18		13.85552	77.48145	13.98597	77.15354
30	ANANTAPUR	Gollapuram 220kvss	Thumukunta	3.27	8		13.73942	77.51576	13.73126	77.50112
31	ANANTAPUR	Gooty RS 220kvss	Gooty SWS 220kvss	4.84	0	24	15.13623	77.62755	15.153	77.65432
32	ANANTAPUR	Gooty RS 220kvss	Gooty RTSS 220kvss	4.288	2	6	15.13623	77.62755	15.14162	77.64875
33	ANANTAPUR	Gooty RS 220kvss	BMM Cements 132kvss	51.745	8		15.13623	77.62755	18.53783	83.34343
34	ANANTAPUR	Gooty RS 220kvss	Guntakal 132kvss	38.617	0	6	15.13623	77.62755	15.15877	77.36815
35	ANANTAPUR	Gooty Sw ST 220kvss	Gooty RTSS 220kvss	3.977	8		15.14162	77.64875	15.14162	77.64875
36	ANANTAPUR	Gooty Sw ST 220kvss	BRPalli 220kvss	38.261	8		15.14162	77.64875	13.99181	78.74801
37	ANANTAPUR	Gooty Sw ST 220kvss	Tadpatri 220kvss	62.293	10		15.14162	77.64875	14.90142	77.97845
38	ANANTAPUR	Gooty Sw ST 220kvss	Dhone 220kvss	90.12	8		15.14162	77.64875	15.45432	77.88615
39	ANANTAPUR	Tadipatri 220Kvss	BRPalli 220kvss	30.076	8		14.90142	77.97845	13.99181	78.74801
40	ANANTAPUR	Tadipatri 220Kvss	Komatikuntla 132kvss	16.273	20		14.90142	77.97845	14.76651	77.97854
41	ANANTAPUR	Tadipatri 220Kvss	Komali 132kvss	11.137	20		14.90142	77.97845	14.93599	77.92473
42	ANANTAPUR	Goddumbarri 220kvss	Gaddamvaripally 220kvss	9.9528	20		14.58982	77.99921	14.63279	78.05385
43	ANANTAPUR	Gaddamvaripalli	Yellanuru 220kvss	5.182	2		14.63279	78.05385	14.67445	78.04832

		220Kvss								
44	ANANTAPUR	Yellanur220KVSS	Timmapuram 220kvss	9.04	2		14.67445	78.04832	14.70865	78.09848
45	ANANTAPUR	Puttapathy 132kvss	Kadiri 132kvss	64.8	6		14.15653	77.76839	14.1006	78.1225
46	ANANTAPUR	Puttapathy 132kvss	Hindupur 220kvss	67.78	18		14.15653	77.76839	13.85552	77.48145
47	ANANTAPUR	Kadiri 132kvss	Tanakallu 132kvss	30	6		14.1006	78.1225	14.14682	78.1501
48	ANANTAPUR	Jammulabanda 132kvss	Amarapuram 132kvss	25.5	20		13.98597	77.15354	14.11256	76.99413
49	ANANTAPUR	Rayadurg 132kvss	Obulapuram 132kvss	40.5	18		14.68745	76.88096	15.0292	76.86139
50	ANANTAPUR	PABR HES 132kvss	Taticherla 132kv ss	28	2		14.2747	80.09617	14.74976	77.58187
51	ANANTAPUR	Taticherla 132kvss	Anantapur 220kvss	25	2		14.74976	77.58187	14.69709	77.63958
52	ANANTAPUR	Guntakal 132KVSS	Uravakonda 132kvss	31.509	14		15.15877	77.36815	14.91039	77.26789
53	ANANTAPUR	Guntakal 132KVSS	Hampi PH 132kvss	101.946	0		15.15877	77.36815	14.2747	80.09617
54	ANANTAPUR	BMM Cements 132KVS	Ankireddypalli 132kvss	9.211	8		14.59084	78.579	15.03352	78.05957
55	ANANTAPUR	Gollapuram 220kvss	Lepakshi 132kvss	15.7	20		13.73942	77.51576	13.83486	77.61216
56	ANANTAPUR	Gollapuram 220kvss	Thumukunta	3.27	8		13.73942	77.51576	13.73126	77.50112
57	ANANTAPUR	Hindupur 220kvss	Gollapuram 220kvss	22.7	8		13.85552	77.48145	13.73942	77.51576
58	ANANTAPUR	Hindupur 220kvss	Kadiri 132kvss	86.5	8		13.85552	77.48145	14.1006	78.1225
59	ANANTAPUR	Anantapur 220kvss	PABRHES 132kv line	48	4		14.69709	77.63958	14.2747	80.09617
60	ANANTAPUR	Hindupur 400kvss	Pampanurtanda 220kvss	75	20		13.85552	77.48145	17.63735	83.13547
61	ANANTAPUR	Hindupur 400kvss	Gollapuram 220kvss	31	20		13.85552	77.48145	13.73942	77.51576
62	ANANTAPUR	Hindupur 400kvss	Hindupur 220kvss	17.4	18		13.85552	77.48145	13.85552	77.48145
63	ANANTAPUR	Mutyalacheruvu 220kvss	Tanakallu 132kvss	26	8		14.10072	78.12292	14.14682	78.1501
64	ANANTAPUR	Mutyalacheruvu	Y.Kottapalli	11	20		14.10072	78.12292	16.39886	80.13146

		220kvss	132kvss							
65	ANANTAPUR	Mutyalacheruvu 220kvss	Kadiri 132kvss	7.5	8		14.10072	78.12292	14.1006	78.1225
66	ANANTAPUR	Mutyalacheruvu 220kvss	Mallayagaripalli 132kvss	5.5	20		14.10072	78.12292	14.22209	79.27246
67	ANANTAPUR	Lepakshi 132kvss	Palasamudram 132kvss	19.8	20		13.83486	77.61216	13.97523	77.65039
	No of links	67		2515.094 8						
1	CHITTOOR	Chittoor 400 KVSS	Kalikiri 400 KVSS	102.67	0	24	13.19831	79.09098	13.65311	78.75745
2	CHITTOOR	Chittoor 400 KVSS	Rachagunneri 400 KVSS	159.6	10		13.19831	79.09098	13.72998	79.62733
3	CHITTOOR	Chittoor 400 KVSS	Chittoor 220 KVSS	22.88	8	24	13.19831	79.09098	13.19831	79.09098
4	CHITTOOR	Chittoor 400 KVSS	Palamaneru 220 KVSS	60.16	10		13.19831	79.09098	13.20195	78.7583
5	CHITTOOR	Kalikiri 400 KVSS	Kalikiri 220 KVSS	7.88	8	24	13.65311	78.75745	13.65311	78.75745
6	CHITTOOR	Kalikiri 400 KVSS	Madanapalli 220 KVSS	31.13	16		13.65311	78.75745	13.58208	78.53154
7	CHITTOOR	Rachagunneri 400 KV SS	Krishnapatnam 400 KV SS	108.5	18		13.72998	79.62733	14.2747	80.09617
8	CHITTOOR	Rachagunneri 400 KV SS	Naidupeta 220 KVSS	32.87	18		13.72998	79.62733	13.89388	79.79772
9	CHITTOOR	Rachagunneri 400 KV SS	Venkatagiri 132 KV SS	36.553	20		13.72998	79.62733	13.95557	79.59645
10	CHITTOOR	Chittoor 220 KVSS	Palamaneru 220 KVSS	44.874	6		13.19831	79.09098	13.20195	78.7583
11	CHITTOOR	Chittoor 220 KVSS	Irala 132 KVSS	25.84	18		13.19831	79.09098	13.38168	78.99082
12	CHITTOOR	Chittoor 220 KVSS	N.G.Palli 132 KVSS	9.41	4	24	13.19831	79.09098	15.91697	79.3273
13	CHITTOOR	Palamaneru 220 KVSS	Kuppam 220 KVSS	70.527	2		13.20195	78.7583	12.81163	78.37694
14	CHITTOOR	Palamaneru 220 KVSS	Santhipuram 132 KVSS	63.094	14		13.20195	78.7583	12.87134	78.4036
15	CHITTOOR	Palamaneru 220 KVSS	Punganur 132 KVSS	33.41	18		13.20195	78.7583	13.37157	78.57678

16	CHITTOOR	Palamaneru 220 KVSS	N.G.Palli 132 KVSS	37.717	10		13.20195	78.7583	15.91697	79.3273
17	CHITTOOR	Kuppam 220 KVSS	Santhipuram 132 KVSS	9.89	20		12.81163	78.37694	12.87134	78.4036
18	CHITTOOR	Kuppam 220 KVSS	Kuppam 132 KVSS	10.55	6		12.81163	78.37694	12.81163	78.37694
19	CHITTOOR	Kalikiri 220 KVSS	Thimmapuram 220 KVSS	17.96	4		13.65311	78.75745	14.70865	78.09848
20	CHITTOOR	Kalikiri 220 KVSS	Madanapalli 220 KVSS	36.28	8		13.65311	78.75745	13.58208	78.53154
21	CHITTOOR	Kalikiri 220 KVSS	Madanapalli 132 KVSS	37.24	6		13.65311	78.75745	13.58208	78.53154
22	CHITTOOR	Kalikiri 220 KVSS	Somala 132 KVSS	20.34	19		13.65311	78.75745	13.51127	78.85759
23	CHITTOOR	Kalikiri 220 KVSS	Gurramkonda 132 KVSS	29.47	20		13.65311	78.75745	13.75505	78.58712
24	CHITTOOR	Kalikiri 220 KVSS	Rompicherla 132 KVSS	31.54	14		13.65311	78.75745	13.65167	79.03424
25	CHITTOOR	Madanapalli 220 KVSS	Ramasamudram 132 KVSS	31.51	18		13.58208	78.53154	13.37472	78.45054
26	CHITTOOR	Madanapalli 220 KVSS	Madanapalli 132 KVSS	5.7	8		13.58208	78.53154	13.58208	78.53154
27	CHITTOOR	Renigunta 220 KV SS	Rachagunneri 400 KVSS	19.215	4	12	13.63948	79.51659	13.72998	79.62733
28	CHITTOOR	Rachagunneri 400 KVSS	Manubolu 400 KV SS	90.288	3		13.72998	79.62733	14.22083	79.88502
29	CHITTOOR	Renigunta 220 KV SS	Nagari 220 KVSS	52.67	18		13.63948	79.51659	13.33486	79.63456
30	CHITTOOR	Renigunta 220 KV SS	Srikalahasti 132 KVSS	27.058	20		13.63948	79.51659	13.74555	79.71153
31	CHITTOOR	Renigunta 220 KV SS	Puttur 132 KVSS	25.979	12		13.63948	79.51659	13.45383	79.54864
32	CHITTOOR	Renigunta 220 KVSS	Tirupati 132 KVSS	18.295	4		13.63948	79.51659	13.61987	79.43104
33	CHITTOOR	Renigunta 220 KVSS	K.P Mitta 132 KVSS	57.989	4		13.63948	79.51659	14.4126	79.02817
34	CHITTOOR	Renigunta 220 KVSS	Pakala 132 KVSS	69.412	2		13.63948	79.51659	13.4398	79.11174
35	CHITTOOR	Renigunta 220	Chandragiri 132	29.442	18		13.63948	79.51659	13.5895	79.31119

		KVSS	KVSS							
36	CHITTOOR	Renigunta 220 KV SS	Kodur 220 KV SS	61.95	6		13.63948	79.51659	13.98422	79.33709
37	CHITTOOR	Nagari 220 KVSS	Puttur 132 KV SS	20.945	12		13.33486	79.63456	13.45383	79.54864
38	CHITTOOR	Nagari 220 KVSS	Nagalapuram 132 KV SS	21.057	15		13.33486	79.63456	14.94831	77.68026
39	CHITTOOR	Madanapalli 132 KVSS	B.Kota 132 KVSS	28.89	18		13.58208	78.53154	13.67242	78.27529
40	CHITTOOR	N.G.Palli 132 KVSS	Kothapalli 132 KVSS	20.95	14		15.91697	79.3273	16.6394	80.55559
41	CHITTOOR	Penumur 132 KVSS	Pachikapallam 132 KVSS	26.628	20		13.38516	79.1796	13.46569	79.3576
42	CHITTOOR	Tirupati 132 KVSS	Pakala 132 KVSS	64.412	4		13.61987	79.43104	13.4398	79.11174
43	CHITTOOR	Tirupati 132 KVSS	K.P Mitta 132 KVSS	52.849	2		13.61987	79.43104	14.4126	79.02817
44	CHITTOOR	K.P Mitta 132 KVSS	Pakala 132 KVSS	27.114	8		14.4126	79.02817	13.4398	79.11174
45	CHITTOOR	Pakala 132 KVSS	Rompicherla 132 KVSS	31.393	16		13.4398	79.11174	13.65167	79.03424
46	CHITTOOR	Chandragiri 132 KVSS	Tirumala 132 KVSS	12.745	18		13.5895	79.31119	13.67269	79.35291
47	CHITTOOR	Nagari 220 KVSS	Pachikapalam 132 KVSS	46.642	19		13.33486	79.63456	13.46569	79.3576
48	CHITTOOR	Rachagunneri 400 KVSS	Yerpedu 132 KVSS	6.17	14		13.72998	79.62733	13.76828	79.61191
49	CHITTOOR	Palamaneru 220 KVSS	V.Kota 132 KVSS	35.935	4		13.20195	78.7583	17.68652	82.98142
50	CHITTOOR	V.Kota 132 KVSS	Santhipuram 132 KVSS	30.865	4		17.68652	82.98142	12.87134	78.4036
51	CHITTOOR	Punganuru 220 KVSS	Palamaneru 220 KVSS	38.017	18		13.37157	78.57678	13.20195	78.7583
52	CHITTOOR	Punganuru 220 KVSS	Madanapalli 220 KVSS	33.97	18		13.37157	78.57678	13.58208	78.53154
53	CHITTOOR	Punganuru 220 KVSS	Punganuru 132 KVSS	6.148	22		13.37157	78.57678	13.37157	78.57678
54	CHITTOOR	Rachagunneri 400 KVSS	Racherla 220 KVSS	57.13	6		13.72998	79.62733	15.22458	77.92682

55	CHITTOOR	Racherla 220 KVSS	Sullurpeta 220 KVSS	21.07	12		15.22458	77.92682	13.70856	79.99344
56	CHITTOOR	Racherla 220 KVSS	Cherivi 132 KVSS	7.819	20		15.22458	77.92682	13.52501	79.97192
	No of links	56		2120.642						
1	KURNOOL	Nannur 400kvss	Jammalamadugu 400 kVSS	106.86	2	24	16.93063	81.8509	14.93205	78.31466
2	KURNOOL	Nannur 400kvss	Srisailam - RB	109.216	12		16.93063	81.8509	16.08022	78.90412
3	KURNOOL	Nannur 400kvss	Srisailam - RB	105.48	4		16.93063	81.8509	16.08022	78.90412
4	KURNOOL	Nannur 400kvss	Srisailam - LB	106.8	4	24	16.93063	81.8509	16.08022	78.90412
5	KURNOOL	Nannur 400kvss	Ghani 400kvss	18.2	19		16.93063	81.8509	15.68295	78.25145
6	KURNOOL	Srisailam RB 220kvss	Sattenapalli 400kvss	146	2		16.08022	78.90412	16.39886	80.13146
7	KURNOOL	Nannur 400kvss	Brahmanakotkur 220kvss	21.3	16		16.93063	81.8509	15.82228	78.19
8	KURNOOL	Nannur 400kvss	AP Carbides 220kvss	16.742	8	24	16.93063	81.8509	15.78521	78.03582
9	KURNOOL	Nannur 400kvss	Uppalapadu 220 KVSS	18.2	4		16.93063	81.8509	15.10455	78.92782
10	KURNOOL	Uppalapadu 220 KVSS	Somayajupalli 220kvss	17.726	4		15.10455	78.92782	15.56974	78.17694
11	KURNOOL	Nannur 400kvss	Somayajupalli 220kvss (OPGW)	28.233	14	24	16.93063	81.8509	15.56974	78.17694
12	KURNOOL	Nannur 400kvss	Somayajupalli 220kvss (ADSS)	27.645	6		16.93063	81.8509	15.56974	78.17694
13	KURNOOL	Srisailam RB 220kvss	Tallapalli 220kvss	104.4	20		16.08022	78.90412	16.51201	79.38506
14	KURNOOL	Srisailam RB 220kvss	Bilakalagudur 220kvss	81.7	10		16.08022	78.90412	15.69068	78.45777
15	KURNOOL	Srisailam RB 220kvss	Somayajulapalli 220kvss	111.1	6		16.08022	78.90412	15.56974	78.17694
16	KURNOOL	Srisailam RB 220kvss	Srisailam LB 400kvss	2.3	4	24	16.08022	78.90412	16.08022	78.90412
17	KURNOOL	Nandyala 220kvss	Somayajulapalli 220kvss	38.11	18		15.46966	78.45324	15.56974	78.17694
18	KURNOOL	Malyala 220kvss	Brahmanakotkur 220kvss	11.3	0		15.89628	78.23249	15.82228	78.19

19	KURNOOL	Malyala 220kvss	Muchumarri 20kvss	13.3	20		15.89628	78.23249	15.97426	78.3022
20	KURNOOL	Somayajulapalli 220kvss	Gooty sws 220kvss (OPGW)	86.008	3	24	15.56974	78.17694	15.14162	77.64875
21	KURNOOL	Somayajulapalli 220kvss	Gooty sws 220kvss (ADSS)	84.65	6		15.56974	78.17694	15.153	77.65432
22	KURNOOL	Dhone 220kvss	Somayajulapalli 220kvss	44.159	8		15.45432	77.88615	15.56974	78.17694
23	KURNOOL	Somayajulapalli 220kvss	Bilakalagudur 220kvss	40.404	8		15.56974	78.17694	15.69068	78.45777
24	KURNOOL	Dhone 220kvss	Kambalapadu 220kvss	12	17		15.45432	77.88615	15.49912	77.79182
25	KURNOOL	Kambalapadu 220kvss	Lakkasagaram 220kvss	9.79	12		15.49912	77.79182	15.45994	77.72184
26	KURNOOL	Lakkasagaram 220kvss	Nansurala 220kvss	7	14		15.45994	77.72184	15.46172	77.65825
27	KURNOOL	Dhone 220kvss	Krishnagiri 220kvss	11.5	9		15.45432	77.88615	15.54779	77.85838
28	KURNOOL	Krishnagiri 220kvss	Settipalli 220kvss	10.5	10		15.54779	77.85838	15.60668	77.9192
29	KURNOOL	Nandyala 220kvss	Banaganapalli 132kvss	33.31	16		15.46966	78.45324	15.30388	78.22958
30	KURNOOL	Nandyala 220kvss	Cement Nagar 132kvss	32.78	18		15.46966	78.45324	15.51022	78.20855
31	KURNOOL	Nandyala 220kvss	Rudravaram 132kvss	44.5	17		15.46966	78.45324	15.22084	78.60979
32	KURNOOL	Apcarbides 220kvss	Settipalli 220KVSS	30.59	22		15.78521	78.03582	15.60668	77.9192
32	KURNOOL	Apcarbides 220kvss	Atmakuru 132kvss	70.21	4		15.78521	78.03582	15.88041	78.59951
33	KURNOOL	Apcarbides 220kvss	Guduru 132kvss	30.351	16		15.78521	78.03582	14.13532	79.83982
34	KURNOOL	Guduru 132kvss	Yemmiganur 132kvss	32.69	14		14.13532	79.83982	15.76145	77.51558
35	KURNOOL	Apcarbides 220kvss	Yemmiganuru 132kvss	61.773	10		15.78521	78.03582	15.76145	77.51558
36	KURNOOL	Srisailam RB 220kvss	Dornala 132kvss	35.1	3		16.08022	78.90412	14.2747	80.09617

37	KURNOOL	Srisailam RB 220kvss	Y.G.PALEM 132kvss	68.5	12		16.08022	78.90412	16.25849	80.71577
38	KURNOOL	Srisailam RB 220kvss	Sunnipenta 132kvss	1.71	20		16.08022	78.90412	14.2747	80.09617
39	KURNOOL	Banaganapalli 132kvss	Mudigedu132kvss	14.14	20		15.30388	78.22958	15.19345	78.26841
40	KURNOOL	Nandikotkur 132kvss	AP Carbides 220kvss	31.39	8		15.83252	78.2723	15.78521	78.03582
41	KURNOOL	Nandikotkur 132kvss	Atmakur 132kvss	44.55	6	6	15.83252	78.2723	15.88041	78.59951
42	KURNOOL	Rudravaram 132kvss	Allagadda 132kvss	27.59	20		15.22084	78.60979	15.12595	78.50357
43	KURNOOL	Kurnool 132kvss	APcarbides 220 kvss	6.998	6		15.82632	78.02405	15.78521	78.03582
44	KURNOOL	Kurnool 132kvss	Gooty RS 220kvss	92.868	1		15.82632	78.02405	15.13623	77.62755
45	KURNOOL	Kurnool 132kvss	Dhone 132kvss	54.54	4	6	15.82632	78.02405	15.45432	77.88615
46	KURNOOL	Dhone 132kvss	Racherla 132 kvss	44.17	2		15.45432	77.88615	15.22458	77.92682
47	KURNOOL	Dhone 132KVSS	Gooty RS 220kvss	45.71	1	6	15.45432	77.88615	15.13623	77.62755
48	KURNOOL	Pathikonda 132kvss	Gooty RS 220kvss	41.82	2		15.39284	77.4985	15.13623	77.62755
49	KURNOOL	Pathikonda 132kvss	Aluru 132kvss	41.801	4		15.39284	77.4985	18.55245	83.2281
50	KURNOOL	Adoni 132kvss	Aluru 132kvss	43.89	2		15.60791	77.26735	18.55245	83.2281
51	KURNOOL	Yemmiganur 132kvss	Adoni 132kvss	35.797	16		15.76145	77.51558	15.60791	77.26735
52	KURNOOL	Yemmiganur 132kvss	Mantralayam 132kvss	28.271	18		15.76145	77.51558	15.91976	77.35217
	No of links		52	2385.672						
Total existing fibre route length:				21010.9	8					

Annexure -1 (B) APTRANSCO District wise Upcoming OPGW Dark Fibre links under PSDF

S No	District (Telecom Division)	Dark Fiber link		Length (km)	Dark Fibre pairs to be availabl e
		From	To		
1	SRIKAKULAM	132KVSS Narasannapeta	132KVSS Srikakulam(Ampolu)	19.19	12
2	VIZIANAGARAM	220KVSS Bobbili GC	132KVSS Saluru	15.19	12
3	VISAKHAPATNAM	400 KVSS Kalapaka	400KVSS Vemagiri	167.44	12
4	VISAKHAPATNAM	220KVSS Pendurthy	220KVSS DairyFarm	12.21	12
5	VISAKHAPATNAM	220KVSS Gajuwaka	220KVSS Simhachalam	15.79	12
6	EASTGODAVARI	400 KVSS Vemagiri	400 KVSS Sattenapalli	240.36	12
7	EASTGODAVARI	Uppersileru	Donkarai	27.82	12
8	EASTGODAVARI	400KVSS Vemagiri	220KVSS SSS	41.44	12
9	EASTGODAVARI	132KVSS Razole	132KVSS Narasapuram	29.59	12
10	EASTGODAVARI	220KVSS SSS	220KVSS Peddapuram	8.52	12
11	EASTGODAVARI	132KVSS Ramachandrapuram	132KVSS Editha	21.9	12
12	EASTGODAVARI	132KVSS Rajanagaram	132KVSS Peddapuram	21.7	12
13	EASTGODAVARI	220KVSS Bommuru	132KVSS RVK	8.01	12
14	WESTGODAVARI	132KVSS Eluru	132KVSS Kanumolu	15.91	12
15	WESTGODAVARI	220KVSS Nidadavolu	132KVSS Yernagudem	23.37	12
16	WESTGODAVARI	132KVSS Bhimavaram	132KVSS Tanuku	6.1	12
17	WESTGODAVARI	220KVSS Nidadavolu	132KVSS Nidadavolu	2.63	12
18	KRISHNA	220KVSS Kondapalli	VTPS Stage I	5.82	12
19	KRISHNA	220KVSS Kondapalli	220KVSS Chillakallu	59.48	12
20	KRISHNA	VTPS Stage I	220KVSS Rentachintala	116.82	12
21	KRISHNA	132KVSS Rangannagudem	132KVSS Kanumolu	11.87	12
22	KRISHNA	132KVSS Gangoor	132KVSS Tadepalli	18.6	12
23	KRISHNA	132KVSS Kanumolu	220KVSS Nuzividu	26.09	12
24	GUNTUR	132KVSS Guntur	132KVSS Tadepalli	25.81	12
25	GUNTUR	132KVSS Marrisipalem	132KVSS Chilakaluripeta	14.5	12
26	GUNTUR	132KVSS Macherla	132KVSS Karampudi	33.41	12
27	GUNTUR	400KVSS Sattenapalli	SrisailamRB	158.2	12
28	ONGOLE	400KVSS Podili	VTPS Stage IV	146.65	12
29	ONGOLE	132KVSS Y.Palem	132KVSS Kesinenipalli	14.35	12
30	ONGOLE	132KVSS Chilakaluripeta	220KVSS Parchuru	16.71	12
31	NELLORE	400KVSS Manubolu	400KVSS Krishnapatnam	36.27	12
32	NELLORE	400KVSS Manubolu	220KVSS Nellore	28.12	12
33	NELLORE	132KVSS Cherivi	220KVSS Sullurpet	29.49	12
34	NELLORE	132KVSS NTS	132KVSS N.V. Gardens	8.68	12

35	ANANTAPUR	220KVSS Ragulapdu	220KVSS GootyRS	58	12
36	ANANTAPUR	220KVSS Thimmapuram	220KVSS Yellanur	9	12
37	ANANTAPUR	220KVSS Yellanur	220KVSS GVPalli	5	12
38	ANANTAPUR	220KVSS Hindupur	132KVSS Beechuganipalli	11	6
39	ANANTAPUR	220KVSS GootyRS	132KVSS Nagalapuram	28	6
40	ANANTAPUR	132KVSS Tadimarri	220kVSS Pulivendula	48	6
41	ANANTAPUR	132KVSS Ankireddypalli	132KVSS Komali	6.1	6
42	KADAPA	220KVSS RTPP	220KVSS Chinakampalli	58	12
43	KADAPA	200KVSS Gollapuram	200KVSS Pulivendula	118	12
44	KADAPA	220kVSS Kondapuram	220KVSS Tadipatri	30	12
45	KADAPA	220KVSS GKLIS	220KVSS Muddanur RTPP	35	12
46	KADAPA	132KVSS BharathiCements	220KVSS Kadapa	35	6
47	KADAPA	220KVSS Mydukur	220kVSS SrisailamRB	170.5	12
48	KADAPA	220KVSS Pulivendula	132KVSS Pulivendula	12.1	12
49	KURNOOL	220KVSS Bokshampalli	132KVSS Madakasira	38	6
50	KURNOOL	132KVSS CementNagar	220KVSS A.P.Carbides	37	12
51	KURNOOL	132KVSS Sunipenta	132KVSS Atmakur	46.68	12
52	KURNOOL	220KVSS Brahmanakotkur	132KVSS Malyala	11.6	12
53	KURNOOL	132KVSS Dhone	220KVSS Kambalapadu	11.77	6
54	KURNOOL	132KVSS Dhone	220KVSS Krishnagiri	11.37	6
55	KURNOOL	220KVSS Kambalapadu	220KVSS Lakkasagaram	9.13	6
56	KURNOOL	220KVSS Lakkasagaram	220KVSS Nansurala	6.84	6
57	KURNOOL	220KVSS Krishnagiri	220KVSS Settipalli	10.64	6
58	CHITTOOR	132KVSS Irala	132KVSS Somala	17.05	6
59	CHITTOOR	132KVSS B.Kota	132KVSS B.Kotha Kota	10.39	6
60	CHITTOOR	132KVSS Kalicherla	132KVSS BandlavandlaPalli	16.49	6
61	CHITTOOR	132KVSS Gurrampkonda	132KVSS Sambepalli	36.3	12
62	CHITTOOR	132KVSS Gurrampkonda	132KVSS Kalicherla	17.47	12
63	CHITTOOR	132KVSS Madanapalli	132KVSS Punganur	29	12
64	CHITTOOR	220KVSS Madanapalli	220KVSS Palamaneru	59	12
65	CHITTOOR	132KVSS Kalicherla	132KVSS Sambepalli	25.5	12
66	CHITTOOR	132KVSS K.P.Mitta	220KVSS Nagari	49	12
Upcoming OPGW dark fibre route length under PSDF				2494.97	

Chief Engineer / Telecom & IT

ANNEXURE -II

LIST OF RELATIVES

- | | | |
|--|--------------------------------------|-------|
| 1. Father | 14. Daughter's Husband | |
| 2. Mother (including step mother) | 15. Daughter's Son | |
| 3. Son (including step son) | 16. Daughter's Son's Wife | |
| 4. Son's Wife | 17. Daughter's Daughter | |
| 5. Daughter (including step daughter) | 18. Daughter's Daughter's Husband | |
| 6. Father's Father | 19. Brother (including step brother) | |
| 7. Father's Mother | 20. Brother's Wife | |
| 8. Mother's Mother | 21. Sister (including step sister) | |
| 9. Mother's Father | 22. Sister's Husband | |
| 10. Son's son | 23. Son's Wife's Father | } and |
| 11. Son's Son's Wife
their Siblings | 24. Son's Wife's Mother | |
| 12. Son's Daughter | 25. Daughter's Husband's Father | |
| 13. Son's Daughter's Husband | | |
| 26. Daughter's Husband's Mother | | |

ANNEXURE-III
DARK FIBRE LEASE AGREEMENT
(After the Issue of LOA for Leasing of dark fibres)

THIS SPARE DARK FIBER LEASE AGREEMENT is made on.....-2026, (herein referred to as the “Agreement”) for leasing Spare Dark fibres of OPGW laid on APTRANSCO EHT lines to **M/s. Bidder Name** for five years.

BETWEEN

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED., (APTRANSCO) a company incorporated under the Companies Act having a registered office at Vidyut Soudha, Gunadala, Vijayawada – 520004, Andhra Pradesh.

AND

M/s. Bidder Name Company address with PIN

1. INTRODUCTION:

APTRANSCO has installed Optical Fiber Cable (OPGW) on the various EHT lines under various projects like Unified Load Dispatch and Communication projects, Microwave replacement projects, Reliable Communication and Transmission projects. APTRANSCO is the holder of Infrastructure Provider Category-1 (IP-1) Registration with certificate No.70/2003 Dated 21.11.2003 from DoT (Department of Telecommunication) to establish and maintain the assets such as Dark Fibers, Right of Way, Duct Space and Tower for the purpose to grant on lease/rent/sale basis to the licensees of Telecom Services licensed under Section 4 of Indian Telegraph Act, 1885.

2. BANK GUARANTEE:

10% Bank Guarantee/FDR on One year Contract value including taxes should be submitted by **M/s. Bidder Name** in favor of TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED within 30days from the date of issuance of Letter of Award (LOA). A penal interest of 15% per annum shall be charged for the delay beyond 30 days, i.e. from the 31st day of issue of LOA. In case the **M/s. Bidder Name** fails to submit the requisite performance security even after 60days from the date of issue of the LOA, the LOA shall stand cancelled. The Bank Guarantee should be valid for the contract period of five years with 60 days over and above the contract period.

3. COMMENCEMENT AND DURATION:

The terms and conditions of this Agreement shall commence with effect from..... (**Date of Handover Takeover (HOTO) of 1st dark fibre link or 60 days from the date of LOA whichever is earlier**) and shall continue to remain valid for five years.

4. TERMS AND CONDITIONS OF AGREEMENT

4.1 TECHNICAL:

- a) APTRANSCO shall provide available dark fibres of OPGW laid on certain sections of APTRANSCO EHT lines at various APTRANSCO substations for five years (“Lease Period”) to **M/s. Bidder Name** as per the feasibility.
- b) The APTRANSCO shall provide co-location at EHT Substations for the installation of **M/s. Bidder Name** communication equipment for connecting above dark fibres, if any. The Co-location

charges will be collected from **M/s. Bidder Name** towards providing space and power in the sub-stations for their communication equipment.

- c) APTRANSCO shall arrange a joint inspection with **M/s. Bidder Name** before the allocation of dark fibre and colocation substations on a commercial basis.
- d) **M/s. Bidder Name** shall pay the dark fibre Lease and maintenance of OPGW charges **on an annual advanced basis for every leasing year within 20 days from the date of receipt of the proforma invoice by APTRANSCO for the contract period. The contract period starts** from the date of Handover Takeover (HOTO) of the 1st fiber link or 60 days from the date of LOA, whichever is earlier, with the rates mentioned under the heading Commercial for dark fibres leasing charges, maintenance charges of OPGW and colocation charges (in case this colocation applicable).

4.2 COMMERCIAL

1.0. In respect of Fiber pairs those APTRANSCO issued to M/s. Bidder Name.

- 1.1 Lease, Maintenance of OPGW dark fibres charges and Co-location charges shall be paid **on an annual advance basis for every leasing year** from the date of Handover Takeover (HOTO) of 1st fiber link or 60 days from the date of LOA, whichever is earlier. **This is the date of commissioning (DOC)/date of Commencement of the Contract period and fibre length will be determined based on actual OTDR reading.**
- 1.2 The APTRANSCO has to issue fibres to the **M/s. Bidder Name for five years** from the date of HOTO with a contract agreement between APTRANSCO and **M/s. Bidder Name**. However, the **lease period may be extended on mutual consent for a further period of five years.**
- 1.3 **The lease rates as detailed below:**
 - i. **Dark Fibres:** Lease charges @ Rs.65342.21 (excluding GST) per fibre pair per KM per annum in the first year and 5% escalation in lease charges per year in subsequent years.
 - ii. The maintenance charge for OPGW cable is Rs. 3659.46 (exclusive of GST) per fibre pair per KM per annum in the first year and a 5% escalation in maintenance charges per year in subsequent years.
 - iii. The co-location charges Rs.366923.20 (excluding GST) per location per annum in the first year towards providing space and power in the sub-stations subject to the availability of space & power at a particular sub-station where the Leaseholder keeps their active communication equipment and 5% escalation in co-location charges per year in subsequent years. The maximum space for collocation is 800MM*1000MM*2000MM (L*W*H) (42U Rack Space) and 2 kVA of AC power supply will be provided per colocation.
 - iv. APTRANSCO's decision is the final for permitting for tapping of fibres in the OPGW line section as per the terms & conditions in clause 6.8.
 - v. **All the above lease charges are applicable until the finalization of RFP / tenders in APTRANSCO. The finalized APTRANSCO rates, terms & conditions be adopted as of the date tenders are finalized. APTRANSCO RFP finalized rates will come into force from the date of finalization of tenders upto 31.03.2027. From there onwards 5% escalation for each financial year. The above rates are exclusive of applicable GST and shall be valid for five years from the date of commencement of the contract period.**
 - vi. The total lease charges for the dark fibres shall be computed based on the total fibre pair length

derived from joint OTDR readings.

5. Payment Terms and Conditions:

- a) The lease, maintenance of OPGW dark fibre charges and co-location charges shall be paid to APTRANSCO **on an annual advance basis for every leasing year within 20 days from the date of receipt of the invoice by APTRANSCO.** However, the penalties are computed on a monthly basis. The penalty if any, as per the penalty clause imposed to **M/s. Bidder Name** by APTRANSCO under the clause "IMPOSITION OF PENALTY".
- b) All the payments should be made through DD (demand draft) or pay order drawn on any nationalized bank in favor of "**TRANSMISSION CORPORATION OF ANDHRA PRADESH Limited, Vijayawada**" or through electronic mode of payment/RTGS/NEFT.
- c) For late payment, interest @ maximum MCLR (Marginal cost of fund-based lending rate) of State Bank of India per annum proportional to the actual number of days of delay from the due date will be charged extra.
- d) The charges mentioned in this are exclusive of GST.
- e) This agreement will be valid for a maximum of five years.
- f) The amount is to be paid by **M/s. Bidder Name** through DD/NEFT/RTGS/GRPT/Core banking to the following account.

Name of the Account : **TRANSMISSION CORPORATION OF ANDHRA PRADESH Limited (APTRANSCO)**

Name of the Bank : **State Bank of India.**

Branch Name & Address : **Specialized Mid Corporate Branch, Ramavarapadu Ring Road, Vijayawada.**

Current A/c. No. : **42052474412**

IFSC Code : **SBIN0016576**

MICR Code : **520002044**

6. The following general terms and conditions.

- 6.1 **M/s. Bidder Name** shall have the option to install, operate and maintain their communication equipment at Colocation(s) premises as per the scope of this agreement subject to liable to pay Colocation charges in advance. However, space availability for Colocation shall depend on the feasibility report of APTRANSCO. APTRANSCO shall arrange the necessary AC power supply to the equipment installed in the substation by the **M/s. Bidder Name**.
- 6.2 APTRANSCO during the Colocation facility shall provide the space equivalent to keeping one 42 U rack size for keeping the communication equipment of the leaseholder. The space shall be provided preferably in the telecom room, in case, space is not available in the telecom room, then space shall be provided in the control room as per the availability. **If indoor space for colocation is not available in the Substation, APTRANSCO permits the leaseholder to construct their temporary shelter on the premises of the Substation.**
- 6.3 A separate sub-meter has to be fixed by the bidder for calculating the power consumed by the bidder if the co-location is required.

6.4 M/s. Bidder Name shall extend the equipment's earth to the earth pit of PLCC/Wideband

6.5 M/s. Bidder Name shall be allowed to test the fibres of OPGW from one substation to another substation in the presence of the Telecom Engineer from APTRANSCO.

6.6 The last mile connectivity i.e., APTRANSCO OPGW tapping point (FODP) in substation/Splice box on the tower location) to **M/s. Bidder Name** location is not in the scope of APTRANSCO, but it is under the scope of the **M/s. Bidder Name**.

6.7 Breakdowns in the last mile connectivity or at the equipment termination points will not be under the obligation of APTRANSCO.

6.8 Tapping of dark fibres:

6.8.1 Tapping of dark fibres will be allowed either at the APTRANSCO substation locations through the FODP (Fiber Optic Distribution Panel) at Communication rooms attached to APTRANSCO substations **or** at the splice box locations on the specified OPGW line sections near the sub-lease holder location acceptable to APTRANSCO to avoid OPGW route length losses. The APTRANSCO decision for providing dropouts at various locations will be the final.

6.8.2 External cables shall be taken outside APTRANSCO premises through the route and medium specified by APTRANSCO. All the cable entries shall be sealed against the intrusion of pests.

6.8.3 Any hardware and all additional work will be at the cost of the leaseholder. The leaseholder shall pay the lease charges for dark fibres for the total length of dark fibre instead of section length.

6.8.4 Guidelines for tapping of dark fibre in the line at Splice Box Location:

- i. Maximum 3 dropouts shall be allowed in any line section.
- ii. Tapping shall be allowed at the Splice Box Location only.
- iii. APTRANSCO's decision is the final for permitting for tapping of fibre in the line.

6.9 The operation and maintenance of OPGW Cable shall be under the APTRANSCO scope. APTRANSCO shall grant access to the **M/s. Bidder Name** to enter into APTRANSCO substation premises for installation, testing, Operation and Maintenance (O&M) activities of their communication equipment.

6.10 The preventive and emergency maintenance of leased dark fibres shall be carried out by APTRANSCO. For carrying out such works, both APTRANSCO and **M/s. Bidder Name** shall extend reasonable help to each other.

6.11 APTRANSCO shall be entitled to a maximum of 4 hours of Planned Outages with a maximum of four (4) Maintenance Windows per year, thus totalling 16 hours of outages per year. Such downtime shall not be treated as part of downtime for Service Level calculations. APTRANSCO shall give a minimum 48-hour notice in case of any such planned outages.

6.12 M/s. Bidder Name agrees that the obligations on APTRANSCO under this Agreement shall become effective only from the day the routes and time of the Optical Fibers **M/s. Bidder Name** shall be taken over mutually agreed & till the time it is used for the purpose with effective from HOTO date (1st fiber link) or two months from the date of LOA, whichever is earlier.

6.13 M/s. Bidder Name should establish the network and the HOTO process has to be completed within 2 months issuing of the LOA, if fails to be established, it will be considered as HOTO completion and an invoice will be raised.

6.14 APTRANSCO reserves the right to deny the lease of dark fibre to **M/s. Bidder Name** for any reason including non-availability of fibre, any techno-commercial and legal constraints.

6.15 All the fibres used shall comply with G.652, and the overall loss including the splicing loss shall be as per the following specification:

- i. Max attenuation @1550 nm: $(0.23\text{db/km}) \times \text{No. Of KM} + 0.05\text{db} \times \text{Planned Splice} + 0.5\text{db} \times \text{connector}$.
- ii. Max attenuation@1310nm: $(0.35\text{db/km}) \times \text{No. Of KM} + 0.05\text{db} \times \text{Planned Splice} + 0.5\text{db} \times \text{connector}$
- iii. As averaged over 100km of Optical Fiber.

6.16 There shall be restricted entry to APTRANSCO premises. Identity cards for two of the personnel of the **M/s. Bidder Name** shall be issued for the maintenance of their equipment. However, during the construction of the room and installation of their equipment, temporary passes shall be issued by the concerned SE/APTRANSCO.

On completion of the Lease Period, the **M/s. Bidder Name** shall withdraw all installations and hand over the site in clear condition within 90 business days from completion of the Lease period.

6.17 **M/s. Bidder Name shall clear all the locations of APTRANSCO within 30 days from the completion of lease period** and shall obtain no dues certificate from APTRANSCO on completion of the Lease period. **The damages, if any, during the lease period shall be borne by the bidder, if not, the same will be recovered from the amount available in the form of BG.** In case no dues certificate is not issued within 90 business days from the completion of the Lease Period by APTRANSCO, it shall be deemed that **M/s. Bidder Name** has no dues against APTRANSCO and shall be absolved of any liability against APTRANSCO.

6.18 In case APTRANSCO, due to load growth and other reasons re-designs/re-engineering/re-route its' transmission lines entailing re-designing/re-engineering/re-routing of the optical fibre cables on APTRANSCO's transmission lines, then the APTRANSCO shall provide an alternate route/optic fibres for **M/s. Bidder Name**, solely at its own cost only for OPGW portion excluding last mile connectivity. APTRANSCO shall give sufficient advance intimation to the **M/s. Bidder Name** shall ensure a smooth changeover so that the non-availability of leased OPGW links is avoided. The change over time should not be treated as non-availability time as long as agreed planned maintenance.

6.19 APTRANSCO will provide alternate dark fibres from the same tapping points @ FODB in the Substation, the path of the link may be different. The **M/s. Bidder Name** should ensure a sufficient power budget (at least 5dB margin) in the terminal equipment as there is a chance of an increase/decrease in fibre lengths.

6.20 The lease agreement between APTRANSCO & **M/s. Bidder Name** shall be subject to the rules and regulations of Govt. of Andhra Pradesh/any other regulator from time to time. All statutory approvals are to be obtained by **M/s. Bidder Name** at their cost.

6.21 Any license fees, Taxes, or Duties in respect of user services of the leased facility to the Govt. of India / Govt. of Andhra Pradesh /any other regulator ("Statutory Duties") should borne by the **M/s. Bidder Name**. The **M/s. Bidder Name** agree and acknowledge that they shall be responsible for their Statutory Duties.

6.22 **M/s. Bidder Name** at any point in time during the tenure of the agreement shall not assign sublet/transfer its rights to any other third person or entity without prior approval /permission of APTRANSCO.

6.23 APTRANSCO shall not be liable to pay any compensation to **M/s. Bidder Name** in case of

communication breakdown due to shutdown/breakdown of power lines or due to any other cause.

7. Maintenance Levels Committed:

7.1 APTRANSCO shall endeavor to maintain the dark fibre on the above-said network to **M/s. Bidder Name** with 99.0% availability for OPGW, monthly, except Force Majeure, Planned Outages and MTTR clauses.

- a) The uptime percentages will be calculated upto two decimal points, e.g., 99.99%.
- b) The downtime will be calculated in Hours, rounded upto the two decimal points
- c) The penalty will apply only, if the average availability calculated on the total links goes below 99% based on the individual link availability. The penalty is calculated for the links whose uptime is less than 99%.
- d) The monetary value of the penalty monthly shall be computed by taking/evaluating the compounded down time on a pro-rata basis from the monthly Lease charges.

7.2 Calculation of % Uptime

The link availability in terms of %uptime is calculated below and then rounded up to two decimal points:

$$\% \text{Uptime} = \frac{(\text{number of days in a month} * 24 \text{hours} * 60 \text{min.}) - \text{link down time (in min)}}{(\text{Number of days in a month} * 24 \text{ hours} * 60 \text{min.})} * 100$$

Maximum Time To Respond/Mean Time To Resolve (MTTR) Commitment :

The Maximum Time to Respond / Mean Time to Resolve for any problem reported by **M/s. Bidder Name** to APTRANSCO is as per the table given below:

Network Component	Maximum Time to Respond	Mean Time to Resolve
APTRANSCO Dark Fiber Network	30 Minutes	6 hours

If the problem is resolved within the MTTR (6hours) in a section, the MTTR will not be considered outage time. If the outage is beyond 6 hours in a month in a particular section, the interruption time beyond 6hours will be treated as outage time in that section for a month.

8. IMPOSITION OF PENALTY

The amount of monthly penalty levied, if any, shall be deducted from the annual invoices by **M/s. Bidder Name** while making payments to **APTRANSCO**.

The maximum monthly Penalty to be levied shall not exceed 20% of the Monthly lease charges for a particular link.

As the payment term is Annual in advance, APTRANSCO allows the **M/s. Bidder Name** to adjust applicable SLA credit against subsequent year annual advance payment.

9. EXCLUSIONS

To calculate Up-time, the following faults or outage hours be excluded:

- a) Periods where the dark fibre link has been restored by other alternate means.
- b) Periods where the **M/s. Bidder Name** staff is unable to confirm the Maintenance condition after fault clearance by APTRANSCO.
- c) Periods where any Link is switched off by **M/s. Bidder Name** for its reasons. It is the onus of **M/s. Bidder Name** to ensure that the on-site equipment for links is Powered ON.
- d) Periods where links are down due to the site not conforming to mandatory site conditions.
- e) Periods where the failure of any components or equipment belonging to **M/s. Bidder Name**.
- f) Periods of link failure due to extraordinary conditions referred to as Force Majeure, un-precedent fibre cuts or damage caused by other utilities/authorities (provided that link failure is rectified within a certain time) act of third parties, problems arising from **M/s. Bidder Name's** internal network's configuration & administration shall not be considered as downtime.
- g) Periods of Planned maintenance i.e., a maximum of 4hours of Planned Outages with a maximum of four (4) Maintenance Windows per year, thus totaling 16 hours of outages per year.

10. TERMINATION RIGHTS

In the following events the dark fibres leased to **M/s. Bidder Name** shall be liable to get disconnected/ disabled by APTRANSCO. **The Chief Engineer/ Telecom & IT, APTRANSCO is the authorized person to issue a disconnection notice.**

- a. **M/s. Bidder Name** transfers its rights to any other entity without prior intimation/approval of APTRANSCO, except the allowed assignment.
- b. **M/s. Bidder Name** sublets assets to any agency, whoever without the permission of APTRANSCO.
- c. **M/s. Bidder Name** damages APTRANSCO's system owing to malfunctioning / improper use / non-standard construction of the leased OFC.
- d. **M/s. Bidder Name** uses the leased dark fibres for any illegal and unlawful activity.
- e. Non-compliance with rules and regulations implemented by the Government of India/ Government of Andhra Pradesh/any regulation from time to time demands so by **M/s. Bidder Name**.
- f. When the APTRANSCO Grid condition so warrants.
- g. **M/s. Bidder Name** has engaged in corrupt or fraudulent practices.

11. BREACH OF CONTRACT:

If there is a breach of this Agreement by any party fails to rectify the breach within 15 days on request of the other party, the agreement stands terminated to the extent of such breach, without prejudice to any other rights available to the non-breaching Party under this Agreement/ the said Agreement or law, but shall survive and be binding on the other parties.

12. FORCEMAJEURE:

“Force Majeure Event” means an event which is beyond the reasonable control of the Party liable to effect performance and shall include but not be limited to an act of God, war, civil disturbance, requisitioning, change in laws or regulations, governmental or parliamentary restrictions, prohibitions or enactments of any kind, import or export regulations, exchange control regulations, breakdown of machinery, fire, underwater cable cuts or accident, shipwrecks, non-availability of vessels or transport, drought, fire, flood, lightning, Tower collapses, epidemic or quarantine restriction, earthquake, severe storm, landslide or other natural events, freight embargo, trawler or anchor damage, damage caused by other marine activity such as fishing,

marine research or marine development, or interruptions caused by construction activity of a third party, or act or omission of transporters.

Notwithstanding anything here in to the contrary, neither Party shall be liable for any delay or failure in the performance of any part of this Agreement, to the extent such delay or failure is attributable to a Force Majeure Event. If either Party becomes aware of a Force Majeure Event which gives rise to or which are likely to give rise to a failure or delay on its part in performing its obligations in this Agreement, it shall, as soon as reasonably feasible, notify the other and shall inform the other of the period during which it is estimated that such failure or delay shall continue.

In the event of the occurrence of a case of Force Majeure Event continuing beyond a period of 30 business days. **M/s. Bidder Name** shall have the right to terminate the Agreement and APTRANSCO shall refund payment on a pro-rata basis for the term not utilized by the leaseholder from the date of such termination.

13. INCONSISTENCY WITH LAW

This Agreement is subject to statutory regulations in force & if any provision of this Agreement is inconsistent with such regulation, the Agreement shall be modified accordingly. Such inconsistency is inclusive of any directions given by the regulatory body/Government of India in present & future. If any provision of this Agreement shall be held invalid, the remaining provisions hereof shall continue to be binding upon the Parties.

14. SYSTEM PROTECTION & SAFETY

Each party is responsible for the safe operation of its system & shall take all reasonable and necessary steps in its operation and implementation of this Agreement & to ensure that its respective equipment and network does not endanger the safety or health of employees or contractors, agents or customer of other parties, damage, interfere with or cause any deterioration in the operation of the other parties' network.

15. NOTICES

All notices required to be given under this Agreement shall be in writing and shall be addressed at the address indicated below or at such address as such party may indicate from time to time.

For APTRANSCO:

CHIEF ENGINEER / TELECOM & IT,
TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED, (APTRANSCO)
Vidyut Soudha, Gunadala, Vijayawada – 520004.

For M/s. Bidder:

M/s. Bidder Name & Address with PIN, email

16. ARBITRATION

Arbitration In case of any dispute, the matter will be referred to a Sole Arbitrator to be appointed by APTRANSCO by the "Arbitration and Conciliation Act 1996" and any amendments thereafter the arbitration shall be held in Andhra Pradesh, India and in English.

17. DISPUTE SETTLEMENT

If the disputes are not resolved by arbitrations, then, as per provisions of the Telecom Regulatory Authority of India Act, 1997 as amended from time to time, all and any disputes between the bidder and APTRANSCO in respect of the subject matter of this contract shall be settled in Telecom Disputes Settlement and Appellate Tribunal or such other judicial authority competent to settle such disputes pertains to AP jurisdiction only.

18. MISCELLANEOUS

1. Contact details of APTRANSCO for reporting break down-related issues and general maintenance-related issues.

The Chief Engineer / Telecom & IT / APTRANSCO/ Vidyut Soudha / Gunadala/Vijayawada
cetel_aptransco@yahoo.com

2. The contact details of the **M/s. Bidder Name** officials Mobile No. & E-mail:

Due Date of Completion: This agreement shall be valid for 5 (Five) years from the date of HOTO or 60 days from the date of LOA, whichever is earlier (“Lease Period”) and can be extended further period of 5 (Five) years subject to mutual consent between the parties on prevailing lease rates, terms & conditions of APTRANSCO from time to time.

Signed, Sealed and delivered by
on behalf of APTRANSCO

Signed, Sealed and delivered by
On behalf of **M/s. Bidder Name**

Witness

Witness

1.

1.

2.

2.

SECTION - I
SCHEDULE OF REQUIREMENTS
SPECN. NO. PMMTC1-e-11/2026

S. NO.	DESCRIPTION OF THE CONTRACT	CONTRACT PERIOD	AVAILABILITY OF OPGW DARK FIBERS
I	LEASING OF DARK FIBRES OF OPGW LAID ON EHT LINKS OF APTRANSCO IN ERSTWHILE 13 DISTRICTS OF ANDHRA PRADESH	ANNUAL LEASE BASIS IS MINIMUM OF 5 YEARS OR 10 YEARS AS PER THE CONVENIENCE OF THE BIDDER. IN CASE OF 10 YEARS, THE LEASE CHARGES WILL BE RENEWED ON COMPLETION OF 5 YEARS AS PER THE APTRANSCO PREVAILING RATES BASED ON THE LATEST RFP. THE LEASE CAN BE RENEWED ON MUTUALLY AGREED TERMS AND CONDITIONS FOR A FURTHER PERIOD OF 5 (FIVE) YEARS. APTRANSCO'S DECISION IS THE FINAL FOR FURTHER EXTENSION OF THE AGREEMENT.	AS PER ANNEXURE-I
a)	LOT-I: Lease charges per Fiber pair per KM per annum		
b)	LOT-II: Co-location Charges for one terminal equipment per location per annum		
c)	LOT-III: Maintenance Charges per Fiber pair per KM per annum		
d)	LOT-IV: Dark Fibre Tapping charges.		

Note:

1. Prices shall be quoted on firm basis
2. Lease Price per Fiber pair per KM per annum shall not be less than Rs.65342.21 (Excluding GST). The dark fibre tapping charges is minimum of Rs. 500000/- (excluding GST)
3. Maintenance charges per fibre pair per KM per annum shall not be less than Rs.3659.46
4. The bidder shall quote a minimum 200 KMs for qualifying the tender. The relevant certificate in PDF format in proof of quoting minimum 200 KMs shall be uploaded in BET platform, failing which, the tender will be disqualified.
5. The Bidder must upload the break-up details, given in format-2a, of the quoted link, in PDF form on BET portal without fail. The Bid without the breakup details will not be considered / evaluated.
6. The Bidder must quote co-location charges, for installation of one Terminal Equipment in the sub-station premises on yearly basis, for a minimum amount of Rs.366923.20 per location (Excluding GST).
7. Bidder shall quote co-location charges for one terminal equipment per location per annum on BET platform given in format-2b.
8. Bidder shall quote tapping charges for splice location on BET platform given in format-2c.
9. Conditional discounts are not accepted.
10. Evaluation of the Bid will be done as per clause no.26, 3(i) & 3(ii) of Volume-II.
11. Responsibility for correctness of the information submitted in online bid lies with bidder. If any information furnished in the bid is proved to be false at a later date, the bid will not only be rejected but the bidder will be BLACKLISTED.