

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED



Bid Specification No.:PMMTC1-e- 22/2026

Selection of a qualified, experienced and DGCA-compliant Drone Service Provider for drone-based monitoring of transmission line assets (400 kV / 220 kV / 132 kV) focusing on tower and line corridor inspection, including vegetation clearance **with validity for 2 years.**

Selection of a qualified, experienced and DGCA-compliant Drone Service Provider for drone-based monitoring of transmission line assets covering approx. 23,000 towers / 8,500 KM (400 kV / 220 kV / 132 kV) of APTRANSCO focusing on tower and line corridor inspection including vegetation clearance **with validity for 2 years.**

CHIEF ENGINEER / TELECOM & IT, APTRANSCO,
VidyutSoudha, Vijayawada-520 004

Tele Ph/Fax No.: 0866-2429244,
Extn. 2015 / 2013
Website :www.tender.apecurement.gov.in

INDEX

Section No.	Description	Page No.
I.	Notice Inviting Tenders (NIT)	3
II.	A) Instructions To Bidders	8
	B) Check List	12
III.	General Terms & Conditions – General & Financial	13
IV.	Schedule of Requirements	32
V.	General Information to the Bidders	34
VI.	Qualification Requirements (QR)	35
VII.	Sample Forms	36
	1. Qualification & Performance Statements	
	2. Bid Security form	
	3. Contract form	
	4. Performance Security form	
	5. Proforma for performance statement	
	6. Details to be furnished by Manufacturer	
	7. Schedule of Deviation	
	8. Declaration Form	
	9. Declaration to be given by the company/partnership firm/ Supplier at the time of entering into agreement with APTRANSCO / DISCOMS	
	10. Bank Account Details for RTGS	
VIII	General Guide lines to be followed	47

SECTION-I
NOTICE INVITING TENDERS (NIT)

1.	Department Name	TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED
2.	Circle/ Division Name	Chief Engineer / Telecom & IT
3.	Bid Notice/SpecificationNo.	PMMTC1-e-22/2026
4.	Bid Subject	Selection of a qualified, experienced and DGCA-compliant Drone Service Provider for drone-based monitoring of transmission line assets covering approx. 23,000 towers / 8,500 KMs(400 kV / 220 kV / 132 kV) transmission lines of APTRANSCO focusing on tower and line corridor inspection, including vegetation clearance with validity for 2 years.
5.	Estimated Contract Value (ECV)	Rs. 0 (zero)
6.	Period of Contract	Completion period (90 days)
7.	Form of Contract	Selection of consultant
8.	Bid Type	Open competitive bidding without reverse bidding
9.	Bid Category	Service.
10.	BID SECURITY	Rs. 2,00,000/-
11.	BID SECURITY Payable to	Bank Guarantee in favour of Chief Engineer/ Telecom & IT, APTRANSCO, Vidyut Soudha, Gunadala, Vijayawada-04 (or) Online money transfer through NEFT/RTGS or Surety Insurance bond.
		EMD ONLINE PAYMENT: Bidders can pay EMD online 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.
12.	Schedule Availability Date	From 17:00Hrs on 28.04.2026
	Pre-bid meeting date & time (Off line)	11:30Hrs on 08.05.2026
13.	Pre-bid clarifications issue Date/Bid submission start Date & Time	17:00 Hrs on 15.05.2026
14.	Bid Submission closing Date & time	15:00Hrs on 22.05.2026
15.	Bid Submission	Online
16.	P.Q / Technical Bid Opening Date (Qualification and Eligibility stage)	At 15:30 Hrs on 22.05.2026
17.	Price Bid Opening Date & Time	Will be opened online

18. Eligibility Criteria & Qualifying Requirements (QR):

18.1 Technical Criteria:

- (a) The bidder must have successfully completed drone-based inspection of at least 1,500 km of EHT transmission lines (132 kV or above) during the last three (3) years for any State/Central Power Utility.
- (b) The bidder must own or have a valid lease agreement for a minimum of five (5) industrial-grade drones equipped with RTK (Real Time Kinematic) capability and dual-sensor payloads (RGB + Thermal), along with AI-based analytics capability.
- (c) The bidder must be associated with a Remote Pilot Training Organization (RPTO) or employ **at least two (2)** the Directorate General of Civil Aviation (DGCA) certified pilots holding valid Remote Pilot Certificates (RPC).

18.2 Regulatory Compliance:

- (a) Drones must be DGCA type-certified.
- (b) Drones must have valid UIN registration.
- (c) Pilots must possess valid Remote Pilot Certificates (RPC).
- (d) The bidder must have valid third-party liability insurance.

18.3 Financial:

- (i) The bidder shall have a minimum average annual turnover of 3 Crore during the last three financial years.
- (ii) The bidder's net worth shall be positive as on the last day of the preceding financial year.

18.4 The bidder is required to furnish the details of similar works executed during the last five years along with proofs. The bidder is required to furnish evidence and certificates for the quantity of material (Drones) if any supplied and are in successful operation for two years in the last 5 years.

18.5 The bidder is required to furnish the Financial Turnover of last Three years. Bidders shall submit audited financial reports (audited Profit & Loss statement, audited Income & Expenditure statement and audited Balance Sheet) counter signed by charter Accountant for last **Three financial years** preceding the date of bid submission, in support of financial turnover and Banker's certificates regarding Bank limits.

18.6 The Bidders should quote for all the items in the bid indicated in the 'Schedule of Requirements' (Section-IV) of Bid specification on single responsibility basis.

18.7 The Bids received without relevant proof of documents to meet Qualifying Requirements and valid type test reports will be treated as Non-Responsive.

18.8 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.

19. Officer Inviting Bids: Chief Engineer/ Telecom & IT, APTRANSCO.

20. Address: Ground Floor, VidyutSoudha, Vijayawada - 520 004

21. Contact Details: Phone/Fax : **0866-2429244, Extn. 2015 /2013**

22. Procedure for bid submission:

22.1 The Bids should be in the prescribed format, which can be obtained from e-procurement 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 enrol themselves on the e-procurement market place www.tender.apecprocurement.gov.in.

Those contractors/Suppliers who register themselves in the e-procurement market place can download the Bid schedules free of cost. The bidder shall authenticate the bid with his digital certificate for submitting the Bid electronically on e-procurement platform and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-procurement platform following the G.O.Ms.No.6, I.T&C Department, dated 28-02-2005. **For enrolment and Registration APTS, Vijayawada is to be contacted.**

22.2 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.

22.3 The bidders who are desirous of participating in e-procurement shall submit their technical bid, price bid etc. in the standard formats prescribed in the bid documents displayed at e-market place. The bidders should invariably upload the statement showing the list of documents uploaded in the e-market place in support of their technical bid. The bidder should upload scanned copies of all the statements, certificates, documents etc. as called for hereunder, duly signed by him, owning responsibility for their correctness/ authenticity.

22.4 Technical bid evaluation of the bidders would be done on the certificates/ documents uploaded/furnished by the bidder against the qualification criteria.

22.5 The bidders shall invariably upload the scanned copy of Bid Security, either online payment through RTGS/NEFT or Bank Guarantee or Surety Insurance bond. 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 purchaser.

22.6 The bidder shall invariably upload the following on e-procurement platform:

- i) Bank Guarantee towards Bid security,
- ii) Statement of Supply details of equipment (as per Form-5 of Section-VII) along with documentary proofs, i.e. scanned copies of purchase orders, Invoices, delivery challans & material receipts etc. to meet Qualification Requirements.
- iii) Financial Turnover of last three years, audited financial reports (audited Profit & Loss statement, Income & Expenditure statement and Balance Sheet) counter signed by Chartered Accountant for last five financial years preceding the date of bid submission, in support of financial turnover and Banker's certificates regarding Bank limits (as per Form-13 of Section-VII),
- iv) Type test reports of the material (Drones) offered as per the Bid specification,
- v) Guaranteed Technical Particulars & drawings of the equipment (Drones),
- vi) Other declarations/statements/information as per the formats of Section-VII of this specification:
 - a) Details to be furnished by the bidder (as per Form-6),
 - b) Technical & Commercial deviations (as per Form-7),
 - c) Declaration regarding relatives (as per Form-8),
 - d) Bank Account details for RTGS (as per Form-10),
 - e) Manufacturer's Bidding authorization (as per Form-11),
 - f) Undertaking to be given by the company regarding blacklisting (as per Form-
 - g) Bankers Certificate (as per Form-13)
- vii) Other information and relevant documents as per the Bid specification.

22.7 The bidder shall furnish original of all documents/ certificates/ statements uploaded by him whenever sought by the Purchaser. The successful bidder shall furnish their company brochures, technical write-ups and printed materials if any.

22.8 The bidder shall furnish the declaration that:

- 1) They have not been blacklisted/ debarred by any department due to any reasons, as per the Form No.12 of Section-VII of this specification.
- 2) The soft copies uploaded by them are genuine.
- 3) They will agree to get disqualified themselves for any wrong declaration in respect of the above and get their Bid summarily rejected.

Any incorrectness/ deviations noticed will be viewed seriously and apart from cancelling the contract, duly forfeiting the Bid security, criminal action will be initiated including suspension of business and/ or black-listing.

23. General Terms & Conditions:

Bids are invited on the e-procurement platform for the above-mentioned work from the firms eligible.

- 23.1 Bid security to be paid online **through RTGS/NEFT** or in the shape of Bank Guarantee issued from any Nationalized Banks/Schedule Banks approved by APTRANSCO as per the list **enclosed** to be valid for a period of 60 days over and above the validity of Bid i.e. 150 days from the date of bid opening. Scanned copy of online payment receipt or Bank Guarantee towards Bid security shall be uploaded along with the Bids. Originals must be submitted by successful bidder to the purchaser through registered post/ courier/ in person before placing of the order. In case extension of Bid validity by the bidder at the request of APTRANSCO, the validity of the Bid security Bank guarantee shall be extended suitably.
- 23.2 Exemption for payment of Bid security is not allowed in any case. The permanent Bid Security Bank Guarantee accepted earlier is deemed to have been withdrawn. Permanent Bid Security Bank Guarantee is not accepted. Bid security extensions accorded earlier are deemed to have been withdrawn.
- 23.3 Bid schedules: Bid schedule can be downloaded free of cost from the web site **www.tender.apecurement.gov.in**
- 23.4 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 supplies, not fulfilling contractual obligations in earlier contracts, inordinate delays in completion of supplies, litigation history, financial failures or participating in the previous Bidding for the similar work and quoting unreasonably high price. Even while execution of the contract, if it is found that the bidder had produced any false/fake certificates, he will be black listed and the contract will be terminated and his Bid security will be forfeited and contract will be carried through other agency at his cost and risk.
- 23.5 a) Transaction fee : The participating bidders have to pay transaction fee of **Rs 10,000/-** (Rupees ten thousands only) through online payment gateway with any master / visa credit card issued by any Bank and through net Banking facility (direct debit) with AXIS/ICICI or HDFC Banks at the time of bid submission. Submission is mandatory as per G.O. Ms.No.13. Payment of transaction fee through DD will not be accepted". GST on transaction fee is 18% with effect from 01.07.2017
 b)Corpus Fund: The successful bidder shall pay an amount of **Rs. 10,000/-** (Rupees Ten Thousand only) plus service charges GST @ 18% on e-Procurement platform, before entering into agreement/issue of purchase orders towards e-Procurement fund in favour of Managing Director,

APTS, Vijayawada, through the Agreement authority through on line payment gateway with any master/visa credit card issued by any Bank and through net Banking facility (direct debit) with AXIS/ICICI or HDFC Banks at the time of bid submission . Submission of receipt by the bidder is mandatory as per GO Ms.No.13. Payment of transaction fee through DD will not be accepted”.

23.6 In case of discrepancy with Bid conditions in the Bid document and NIT, the condition in the Bid document prevails.

23.7 **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 contractors are to upload the information preferably in Zip format.
- c) The contractors should upload the documents duly signing each and every paper.
- d) Bidders are requested to go through all the clauses and contents of specification thoroughly and quote the bid. Ignorance of clauses will not be entertained by the purchaser at later date.
- e) The Bidders are advised to ensure that their bids are uploaded in complete shape and as per the requirement of this specification.

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SECTION-II (A)

INSTRUCTIONS TO BIDDERS

Name of the Work: Selection of a qualified, experienced, and DGCA-compliant Drone Service Provider for drone-based monitoring of transmission line assets (400 kV / 220 kV / 132 kV) focusing on tower and line corridor inspection, including vegetation clearance **with validity for 2 years.**

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

- 1.1 The intending Bidders would be required to enroll themselves on the ‘e-procurement’ market place at www.tender.apecurement.gov.in
- 1.2 The Bids should be in the prescribed form invited on e-procurement by the Chief Engineer/ Telecom & IT, APTRANSCO, Vidyut Soudha, Vijayawada (as specified in NIT)that can be downloaded free of cost from the website www.tender.apecurement.gov.in.
- 1.3 The dates stipulated in the Bid notice, i.e., NIT are firm and under any circumstances they will not be relaxed unless officially extended by APTRANSCO in e-procurement plat-form.
- 1.4 The Bidder should upload scanned copies as specified in checklist and all enclosures required for the schedules and Appendices. The successful bidder shall produce copies (bid security & Transaction fee) before placing the purchase order. Bidders should produce the originals of Bid Security and all other documents for verification within 3 (Three) days if asked for, by the Competent Authority.
- 1.5 Bidders are required to register on the e-procurement market place www.tender.apecurement.gov.in, and submit their bids in two parts:
 - Part-I: Eligibility and Technical bid.
 - Part-II: Financial bid.
- 1.6 The successful bidder shall pay an amount of Rs.10,000/- (Rupees Ten Thousand only) for all supplies/works on e-procurement platform before entering into agreement/issue of purchase orders, towards e-Procurement fund in favour of **Managing Director, APTS, Vijayawada** through the agreement authority.
- 1.7 The successful Bidder is expected to complete the work within the time period specified in the ‘Schedule of Requirements’ (Section-IV).
- 1.8 The uploading of bids on-line through e-procurement cannot be possible after expiry of due date and time and it is sole discretion of APTRANSCO to consider any requests for extension.
- 1.9 APTRANSCO reserves the right to cancel/extend/alter the bid conditions at any time. In the process, if the tender process/works are stalled due to legal intervention or due to natural calamities, no compensation will be paid.
2. **Bidders / Firms eligible to Bid :**
 - 2.0 The Bidders / Firms who
 - a) Possess the valid registration as mentioned in the NIT and satisfies all the conditions therein.
 - b) Are not blacklisted or debarred or suspended by any department for whatever be the reason, prohibiting them not to continue in the contracting business
 - c) Have complied with the eligibility criteria specified in the NIT are the eligible Bidders /Firms.
 - 2.1 Bidders / Firms ineligible to Bid:

- a) A retired officer of the Govt. of AP or Govt. of India executing works/supplies is disqualified from Bidding for a period of two years from the date of retirement without the prior permission of the Government.
- b) The Bidder who has employed any retired officer as mentioned above shall be considered as an ineligible Bidder.
- c) The contractor 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 contractor's employment within a period of 2 years from the date of his retirement.
- d) The Contractor 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 Contractor's service.
- e) Contractor shall not be eligible to Bid for works/supplies 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. The Contractor shall intimate the names of persons who are working with him in any capacity or are subsequently employed. He 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 contractors 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 contractor.

- f) The companies which have been blacklisted by any other/Power utility and whose promotor's Firms or companies have already been black listed/debarred by any other/Power utility, no work contract/order will be awarded/placed to the companies. Bidders have to furnish a declaration/undertaking in this regard along with the Bid. Bids without this declaration are liable for rejection.

3.0 Documents to be furnished for Qualification Requirements of the Bidders:

- 3.1 The Bidder shall furnish the following particulars in the formats provided online and supported documentary evidence shall be uploaded as required at section-V:

Attested copies of documents relating to the Registration of the firm, Partnership deed, Articles of Association, Commercial Tax Registration, Latest Income Tax Clearance certificate/ latest IT return and PAN number from IT Department, excise department registration certificates etc.

Note: The Partnership firms, which are registered as Contractors shall intimate the change in partnership deed, if any, as per GO Ms No.58, I & CAD, dated 23-04-2002 within one month of such change. Failure to notify the change to the registration authority in time will entail the firms to forfeit their registration and their Bid will be rejected. The intimation of change of partners if any and the acceptance by the Registration authority may be enclosed.

Availability of key personnel for administration/ site management and execution viz., technical personnel required for the work.

- 3.2 Bids from Joint Ventures /consortiums are not acceptable.
- 3.3 Qualification criteria for opening of the price bid

- 3.4 Even though the Bidders meet the above qualification requirements, they are liable to be disqualified / debarred / suspended / blacklisted if they have:
- 3.4.1 Furnished false/ fabricated particulars in the forms, statements and/ annexure submitted in proof of the qualification requirements and/or,
- 3.4.2 Not turned up for entering into agreement, when called upon within the time specified in the letter of acceptance,
- 3.4.3 Record of poor progress such as abandoning the work/supplies, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.,
- 3.4.4 Participated in the previous bidding for the same work and had quoted unreasonably high Bid percentage and,
- 3.4.5 A history of criminal record in which the Bidder is involved if any.
- 3.4.6 Even while execution of the contract, if found that the contract was awarded to the Contractor based on false/fake certificates of experience, the Contractor will be blacklisted and contractor will be taken over invoking clause-61 of PS to APSS.
- 3.4.7 History of litigation with the Government during the last five years in which the Bidder is involved.
- 3.4.8 Bidders should specifically indicate whether their firm has been banned/ blacklisted/debarred by any Government department/undertaking or any power utility for non-performance/malpractice or due to any reason. Bids of bidders who are banned/ blacklisted/debarred will be treated as non-responsive.

3.5 ELIGIBILITY CRITERIA:

A) PHYSICAL EXPERIENCE:

Technical Criteria:

- (a) The bidder must have successfully completed drone-based inspection of at least 1,500 km of EHT transmission lines (132 kV or above) during the last three (3) years for any State/Central Power Utility.
- (b) The bidder must own or have a valid lease agreement for a minimum of five (5) industrial-grade drones equipped with RTK capability and dual-sensor payloads (RGB + Thermal), along with AI-based analytics capability.
- (c) The bidder must be associated with a Remote Pilot Training Organization (RPTO) or employ at least two (2) the Directorate General of Civil Aviation (DGCA) certified pilots holding valid Remote Pilot Certificates (RPC).

Regulatory Compliance:

- (a) Drones must be DGCA type-certified.
- (b) Drones must have valid UIN registration.
- (c) Pilots must possess valid Remote Pilot Certificates (RPC).
- (d) The bidder must have valid third-party liability insurance.

B) FINANCIAL TURNOVER:

- (i) The bidder shall have a minimum average annual turnover of 3 Crore during the last three financial years.
- (ii) The bidder's net worth shall be positive as on the last day of the preceding financial year.

Reports on financial standing of the Bidder such as profit and loss statement, balance sheets and auditor's report for the past Three years, in support of financial turnover and Banker's certificates regarding Bank limits.

Responsibility of 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.

The bids not complying with the stipulated completion period will be treated as non-responsive.

While being equal or compatible in other aspects preference will be given to those bidders who have experience in similar works as per SoR.

If a bidder quoting for the bids is having poor performance in the and not commensurate with the agreement in the previous contracts, the bid of such bidder will not be considered for award of contract.

4.0 One Bid per Bidder:

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

5.0 Cost of Bidding:

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

6.0 The pre-bid meeting will be held on the date & time indicated in the NIT, in the office of the bid inviting authority. All the prospective bidders may attend the pre-bid meeting.

SECTION –II (B): CHECK LIST

The bidders shall invariably upload/attach the information and records listed in the check list as given below on **e-procurement 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 the Purchaser.

1	Whether Original Bid Security BG or online payment receipt uploaded?	Yes / No
2	Whether Transaction Fee is paid electronically or not. The copy of the receipt may be uploaded.	Yes / No
3	Whether Guaranteed Technical Particulars are furnished (uploaded) or not.	NA
4	Whether Proof of Turnover signed by Auditors are uploaded or not.	Yes / No
5	Whether supply qualification & performance statements (Form-1 & form-5) uploaded or not?	NA
6	Whether all the documents as proof of pre-Qualification Requirements i.e. 40% quantity of supply and erection in last 5 years from the power utilities or any other Government or any reputed private sector companies as called for, are uploaded with attestation or not?	NA
7	Whether all the documents pertaining to the two years satisfactory performance, i.e., satisfactory performance certificates from the utilities along with relevant documentary proof with attestation, are uploaded	NA
8	Whether Bankers certificate uploaded (Form-13) or not?	Yes / No
9	Whether Schedule of Deviations - Technical & Commercial are uploaded or not?	Yes / No
10	Whether 'Declaration Form' uploaded (Form-8) or not?	Yes / No
11	Whether copies of Type Test Certificates uploaded?	NA
12	Whether uploaded all other sample forms as per Section-VII of the Bid Specification?	Yes / No
13	Whether uploaded the undertaking informing that firm has not been banned/ black listed/debarred by any Govt. Department / undertaking or any power utility for non-performance or malpractice? (Form-12)	Yes / No
14	Whether uploaded the undertakings as per MoP (Form-14,15 & 16)	Yes / No
15	Whether accepted for submission of Performance Bank Guarantee (as per clause 36 A) and Additional Security Deposit (as per clause 36B)	Yes / No
<i>The Bidder shall indicate that all the forms and enclosures indicated in the checklist furnished are compiled with.</i>		
<p>SIGNATURE OF THE BIDDER Designation & Seal of the company :</p>		

SECTION – III
GENERAL TERMS & CONDITIONS OF THE CONTRACT

A. INTRODUCTION

1 Definitions

1.1 In this Contract, the following terms will be interpreted as indicated:

- (a) "The Contract" means the agreement entered into between the Purchaser and the Bidder, as recorded in the contract Form signed by the Parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) "The Contract Price" means the price payable to the Bidder under the Contract for the full and proper performance of its contractual obligations.
- (c) "The Services" means services conducted by the bidders, which are similar as indicated in the SoR of Section – IV.
- (d) "GCC" means the General Terms and Conditions of Contract contained in the section.
- (e) "The Purchaser" means the organization purchasing the Materials / equipment.
- (f) "The Bidder" means the firm providing Services under this Contract.
- (g) "Day" means calendar day

2 **Applicability:** These General Conditions of contract will apply to the extent that they are not superseded by provisions of Salient features of the Bid.

3 **Scope of Work:**

3.1The Contractor shall undertake drone-based inspection of approximately 23,000 transmission towers of the 8,500 KM of transmission lines of voltage levels 400kV, 220kV, and 132kV across plain and critical terrains including forest, hill, and water crossing areas. The scope shall include aerial inspection using UAVs equipped with high-resolution RGB and thermal cameras, detection of defects in towers, conductors, insulators, OPGW and associated components, vegetation encroachment analysis, data processing, GIS-based reporting, and submission of comprehensive inspection reports along with provision of software platform for viewing and analysis of inspection data.

3.2 Technical Scope:

The technical scope shall include, but not limited to, the following components:

3.2.1 High-Resolution RGB Visual Inspection

Drone-based inspection shall include close-proximity visual imaging for defect identification.

Requirements:

- i. Camera resolution shall be at least 20 MP.
- ii. Minimum image size shall be 3 MB.
- iii. Image capture distance shall be less than 5 meters.
- iv. All images shall be geo-tagged and time-stamped.
- v. Images shall be clear and free from blur.
- vi. HD/4K video recording shall be carried out.

Defects to be identified:

- i. Missing or damaged tower members
- ii. Loose bolts and nuts
- iii. Rusting and corrosion
- iv. Broken insulators
- v. Hardware displacement
- vi. Bird nests or foreign objects
- vii. Vegetation encroachment
- viii. Right-of-Way (RoW) violations

The technical scope shall include, but not limited to, the following components:

3.2.2 Thermo graphic Inspection (Infrared Cameras):

Thermal inspection shall be carried out using calibrated infrared cameras.

Minimum Specifications:

- i. Resolution: 640 × 480
- ii. Temperature range: 0°C to 500°C
- iii. Accuracy: ±2°C
- iv. Inspection shall preferably be conducted during evening or night.

Detection Scope:

- i. Hotspots in jumpers
- ii. Mid-span joints
- iii. Dead-end clamps
- iv. Compression joints
- v. Loose electrical contacts

3.2.3 AI-Based Defect Analytics:

The bidder shall deploy AI/ML-based software tools for automated analysis.

Functionalities:

- i. Automatic defect detection
- ii. Component classification
- iii. Severity grading
- iv. Asset tagging
- v. Thermal hotspot analysis
- vi. Risk prioritization
- vii. Dashboard-based visualization and reporting

3.2.4. Tower Photography & Videography Requirements:

All photography shall be position-hold mode and within 5 m proximity.

3.2.5 Minimum Tower Capture:

S.No.	Category	Specifics
1	Drone Photograph of Transmission Tower(400 kV, 220 kV & 132 kV) using RGB & Thermal Sensor (Min 40 images using Thermal Sensor & 40 Images using RGB Sensor each)	With RGB Sensor on position hold mode. High Resolution Photo (Min Size 3MB), So the smallest details like cross hair pin, hair line crack can be identified. The photos should be taken from close proximity(<5mtr)
2	Drone Videography of each Tower by RGB & Thermal Sensor (400 kV, 220kV & 132 kV)	High Resolution Video.
3	Drone Videography of Line Span by RGB& Thermal Sensor(132 kV,220 kV & 400 kV)	High Resolution Video
4	Drone Photograph of Transmission line span for every 50m	With RGB sensor on position hold mode. High Resolution photo (min Size 3MB)

3.2.6. Component-Wise Minimum Photo Capture Matrix (Per Tower):

Sl. No	Main component	Sub-components to be checked	No. of Photographs to be taken	S/C		D/C		M/C	
				Sus	Ten	Sus	Ten	Sus	Ten
1	Insulators	CC ring, grading ring, insulator surface, arcing horns, hardware cotter pins, VD etc.	1 of each String and hardware fittings	3	6	6	12	12	24
2	Earth peaks	Copper bond, nut bolts/ members, vibration dampers etc	1 of each peak	2	2	2	2	2	2
3	Cross arms	Bird guard, nut bolts/ members, foreign material etc.	1 of each cross arm	3	3	6	6	12	12
4	Jumper	Jumper pads, Jumper bolts, rigid spacers, jumper drop, dead end etc	1 of each jumper pads and 1 of each jumper	0	6	0	12	0	24
5	Main tower body above Cross Arm Level	Nut bolts/ members, Foreign Materials etc.	1no.per face	4	4	4	4	4	4
6	Tower leg	Foundation, coping, counterpoise earthing , joint plates, bolts and Nuts etc.	1 of each leg	4	4	4	4	4	4
7	Main tower body below Cross Arm Level	Nut bolts/members, Foreign material etc.	1no.per face	4	4	4	4	4	4
Total Photos				20	29	26	44	38	74

3.2.7. Forward Span Photography:

Sl. No	Main Component	Sub-components	Photo Requirement	S/C	D/C	M/C
1	Forward Span	Conductor, Earth wire, OPGW joint box, spacers	1 photo every 50 m per phase	18/18	36/36	72/72

4. Eligible Bidders:

Vendors for the monitoring works specified in section-IV ‘Schedule of requirements’ of Bid specification and meeting the Qualification Requirements described in section-VI ‘Qualifying Requirements’ only need to quote. Bids received from firms not meeting the eligibility/ Qualification criteria will not be considered.

Any company/vendor/ Bidder /contractor that is blacklisted/ debarred by any power utility, Government or any private sector companies is not eligible to participate in the bidding.

B. THE BIDDING DOCUMENTS:**5. Contents of Bidding Document:**

5.1. The bidding procedures and contract terms are prescribed in the bidding documents as listed below:

1. Notice Inviting Tenders (NIT) – Section-I

2. Instruction to Bidders & Check List – Section-II
3. General Terms and Conditions of Contract – Section-III
4. Schedule of Requirements of the material – Section-IV
5. Technical Specifications – Section-V
6. Qualification Requirements – Section-VI
7. Sample Forms – Section-VII

(Qualification Statements, Bid Security form, details to be furnished by Manufacturer, Performance Security form, Schedule of Deviations and Other forms to be duly filled-in & signed and to be uploaded).

- 5.2 The Bidder is expected to examine all instructions, forms, terms and Technical specifications in the bidding documents. Failure to furnish all the information required as per the bidding documents, or to submit a bid not responsive to the bidding documents in every respect will be at Bidder's risk and may result in the rejection of its Bid.

6. Clarification of Bidding Documents:

Clarification of Bidding Documents: A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser in writing or by mail at the Purchaser's address. The Purchaser will respond in writing to any request for clarification of the bidding documents, which is received not later than fifteen (7) days prior to the deadline for the submission of bids. Written copies of Purchaser's response (including an explanation of the query but without identifying the source of inquiry) will be put on e-procurement platform/ website of the purchaser or intimated by mail.

7. Interchangeability: Not Applicable.

8. Amendment to Bidding Documents:

- 8.1 At any time prior to the deadline for submission of bids, the Purchaser, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.
- 8.2 All such amendments also would be made available on the e-procurement platform and such amendments will be binding on the respective Bidders.
- 8.3 In order to allow prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.

C. PREPARATION OF BIDS

9. Language of Bid:

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

10. Cost Associated with Bidding:

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

- 23.1a) Transaction fee : The participating bidders have to pay transaction fee of Rs 10,000/- (Rupees ten thousands only) through online payment gateway with any master / visa credit card issued by any Bank and through net Banking facility (direct debit) with AXIS/ICICI or HDFC Banks at the time of bid submission. Submission is mandatory as per G.O. Ms.No.13. Payment

of transaction fee through DD will not be accepted". GST on transaction fee is 18% with effect from 01.07.2017

- Transaction Fee & other charges shall be paid by either Credit Card or Debit Card.
- Bidders have to pay 'service tax' i.e., GST as levied by Government of India on transaction fee, electronic payment gateway charges.

Corpus Fund: The successful bidder shall pay an amount of Rs. 10,000/- (Rupees Ten Thousand only) plus service charges GST @ 18% on e-Procurement platform, before entering into agreement/issue of purchase orders towards e-Procurement fund in favour of Managing Director, APTS, Vijayawada, through the Agreement authority through on line payment gateway with any master/visa credit card issued by any Bank and through net Banking facility (direct debit) with AXIS/ICICI or HDFC Banks at the time of bid submission . Submission of receipt by the bidder is mandatory as per GO Ms.No.13. Payment of transaction fee through DD will not be accepted”.

Bidders shall obtain digital certificates from APTS.

11. Documents Constituting the Bid:

- a. The Bid comprises the following.
 - (i) Bid documents and Price Bid,
[Available online at www.tender.apecurement.gov.in]
 - (ii) Qualification information and supporting documents
[to be uploaded by the Bidder]
- b) Documentary evidence establishing in accordance with Clause No.19 'Documents Establishing Bidder's Eligibility and Qualifications' that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
- c) Documentary evidence establishing that the Materials/ equipment and ancillary services to be supplied by the Bidder are as per the Technical specification of the bidding documents
- d) Bid Security in accordance with Clause No.20 of section-III, and as indicated in the Bid Notification.
- e) Taxes and Duties clearance certificates,
- f) Schedule of Deviations - a) Commercial
b) Technical

All the schedules will be duly filled online with full details as called for in the schedules required for evaluation of bids without which, the bids will be liable for rejection. Bidders are expected to duly fill in all the schedules and sample forms and upload the same on e-procurement platform as part of the Bid.

12. Commercial form

The Bidder will complete the commercial form appropriately on e-procurement platform.

13. Bid Prices:

- 13.1 The prices quoted for survey shall be **FIRM. GST** and other legally permissible duties and levies wherever applicable
- 13.2 Even though composite price is given the break-up for all the duties, taxes, freight, packing and forwarding etc., will be furnished. **Freight shall be quoted separately. Quoting it as 'inclusive' / 'zero' will not be accepted.**
- 13.3 It is the responsibility of the Bidder to inform himself of the correct rates of duties and taxes leviable on the materials at the time of bidding.
- 13.4 It is the responsibility of the Bidder to know the prevailing statutory taxes. APTRANSCO considers evaluation of bid price on the basis of prevailing tax rates as on the date of 'Tender Calling Date'.
- 13.5 In case of difference in figures and text fields quoted by the bidder in the commercial form of e-procurement platform, the figures will be final and comments in the text field will not be taken in to consideration.
- 13.6 The Bidder will indicate the unit price and total bid price of materials appropriately and clearly in the price schedule. Any alternative offers shall be indicated only in the price schedule. Prices indicated elsewhere will not be considered.

Prices indicated on the Price Schedule will be entered separately in the following manner.

The price of the Materials / equipment quoted EXWORKS and all excise and other duties and sales and other taxes payable on the finished Materials / equipment with individual breakup for Taxes and Duties, packing and forwarding, freight etc.

In case of bought out materials/equipment the bidders shall quote all-inclusive price in basic/ex-works price and can mention '**Not –applicable being bought out item' under GST column.** APTRANSCO shall pay only for the taxes involving direct transaction between the bidder and APTRANSCO and not for the transaction between bidder and his sub-vendors.

14. Variable prices & Price Variation basis: Not Applicable**15. Taxes and Duties:**

- 15.1 A bidder will be entirely responsible for quoting the correct taxes and duties, other local taxes or levies if any, license fees, etc., he has to incur until completion of the contract. For the purpose of evaluation, the bidder should clearly indicate the GST applicable and any other taxes and levies payable in the respective columns provided in the Commercial form on e-procurement platform. Failure to furnish the details as prescribed in the price schedule will be loaded as indicated in the evaluation criteria.
- 15.2 If the rates of statutory levies assumed by the Bidder are less than the actual rates prevailing at the time of bidding, the Purchaser 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 Purchaser.
- 15.3. Deemed Export Benefits: This is not applicable for local purchases with APTRANSCO funds.
- 15.4 **GST- reverse charge Mechanism-Contractor being un registered:**

Reverse Charge mechanism was not applicable in respect of purchases made from the composition dealer /registered dealer, in case the service provider is an un registered dealer, the e-way bill will be issued by the APTRANSCO. The Contractor must mention on the Tax invoice if the tax is payable on reverse charge.

16. 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 within the scheduled delivery period as per the contract on production of documentary evidence. This is allowed only once during delivery period, i.e. at the time of delivery of goods at factory.

In cases where delivery schedule is not adhered to by the Bidder and there are upward variation/revision after the agreed delivery schedule, the Bidder will bear the impact of such levies and if there is downward variation / revision, the APTRANSCO will be given credit to that extent.

In case of sub-vendor items, taxes & duties are inclusive in tender price. No statutory variation is applicable.

In cases where the bidder assumes less tax rates and become lowest, upward variation of taxes will not be considered. In case of the bought-out items for which the prices are quoted all-inclusive of taxes, statutory variation shall not be applicable.

17. Bid Currencies:

Prices will be quoted in Indian Rupees; and will be paid in Indian Rupees only.

18. Quantity to quote:

Bidder shall quote 100% of the bid quantity and for all items indicated in the "Schedule of Requirements" (Section-IV) of the bid specification on single responsibility basis. Bid offers less than the prescribed quantities are liable for rejection.

19. Documents Establishing Bidder's Eligibility and Qualifications:

The Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction.

19.1 Documents Establishing services conformity to bidding Documents:

The Bidder will furnish as part of its bid, documents establishing conformity to the bidding documents of all Material/ equipment and services, which the Bidder proposes under the Contract.

The documentary evidence of conformity of the material/equipment and the services to bidding documents may be in the form of literature, drawings, data, and will consist of:

- (a) A detailed description of the essential technical and performance characteristics of the materials/ equipment;
- (b) The bidder should specifically mention about furnishing the type test certificates and a copy of test certificate should be uploaded along with the bid.

20. Bid Security:

20.1 The Bidder shall furnish, as part of its bid, a Bid Security specified in the NIT. This amount should be paid by way of BG/On line payment through RTGS/NEFT.

Bidders may furnish a **Bank Guarantee (B.G.)** as per the proforma attached. The scanned copy of BG should invariably upload along with the Bid.

20.2 The fact of having Bid security by way of Bank Guarantee along with the bid should be clearly indicated in the Bid.

20.3 Submission of **BID SECURITY by way of DD, cheque, cash, money order, call deposit will not be accepted and will be considered as disqualification.**

20.4 **Exemption for payment of Bid security is not allowed in any case.** The permanent bid security bank guarantee accepted earlier is deemed to have been withdrawn. Permanent bid security Bank Guarantee is not accepted. Bid security extensions accorded earlier are deemed to have been withdrawn.

20.5 Requests for exemption from payment of BID SECURITY will not be entertained on any account.

20.6 Any bid not secured as above will be rejected by the Purchaser.

20.7 The successful Bidder's Bid Security original shall be furnished before placing of order and the same will be discharged after award of contract and acceptance of Performance Security.

20.8 The Bid Security may be forfeited:

(a) If a Bidder:

- i) Withdraws its bid or alters its prices during the period of bid validity specified by the Bidder, or
- ii) Does not accept the correction of errors pursuant to Clause No.30.2; or
- iii) Offers post Bid rebates, revisions or deviations in quoted prices and/ or conditions or any such offers which will give a benefit to the Bidder over others will not only be rejected outright but the original Bid itself will get disqualified on this account and the Bidder's BID SECURITY will be forfeited.

(b) In the case of a successful Bidder, if the Bidder fails:

- i) To sign the contract in accordance with Clause No.38.
- ii) To furnish performance security in accordance with Clause No.36.

20.9 Bids without Bid Security will be rejected and bidder will run the risk of being banned.

21. Period of Validity of Bids:

21.1 Bids will remain valid for the period of **90 days** from the date of bid opening prescribed by the Purchaser. A bid valid for a shorter period will be rejected.

21.2 In exceptional circumstances, the Purchaser 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 Fax).

The Bid Security Bank Guarantee provided under Clause No.20 shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid Security.

22. Tax Clearance Certificates:

- 22.1 Copies of Income Tax, GST and Turnover Tax certificates for the latest period from the appropriate authority will invariably be enclosed to the bid. In the case of proprietary or partnership firm it will be 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.

D. Submission of Bids:

23. Procedure for Submission of Bids:

- 23.1 Bids should be in the prescribed form, which can be obtained from 'e-procurement' 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 enrol themselves on the 'e-procurement' market-place www.tender.apecurement.gov.in. Those bidders who register themselves in the 'e-procurement' market place can download the Bid specification and the Bid schedules free of cost.

The bidder shall authenticate the bid with his digital certificate for submitting the bid electronically on e-procurement platform **and the bids not authenticated by digital certificate of the bidder will not be accepted on the e-procurement platform** following the G.O.Ms.No.6, I.T&C Department, and dated 28-02-2005.

- 23.2 Intending bidders can contact office of the Chief Engineer/ Telecom & IT, APTRANSCO, Vidyut Soudha, Vijayawada-520004, for any clarification/ information on any working day during working hours.
- 23.3 The bidders who are desirous of participating in "e-procurement" 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 statement showing the list of documents etc., in the "e" market place in support of their Pre-qualification/Technical bids. 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.

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 forfeited.

- 23.4 The Bidder will invariably complete the Bid in full.
- 23.5 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.

24. Deadline for Submission of Bids

Bids together with modifications if any, or other withdrawals must be received by the Purchaser not later than the deadline for submission of bids specified in the Salient features of the Bid.

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

25. Modification and Withdrawal of Bids

No bid may be modified after the deadline for submission of bids.

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.

E. Opening and Evaluation of Bids

26. Opening of Bids by the Purchaser

26.1 The Purchaser will open all the Pre-Qualification/ Technical bids meeting above criteria. In case the Technical, Financial & Pre-qualification requirements are found to be adequate and as required after the examination, Price Bids will be opened at later date.

26.2 If the Technical, Financial & Pre-Qualification requirements are found to be inadequate, the 'Price Bid' of such unqualified Bidders will not be opened.

27. Clarification of Bids

27.1 During evaluation of the bids, the Purchaser 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.

27.2 No clarifications shall be asked/ entertained regarding Qualification Requirements (Supply and Financial Turnover). Tenders shall be evaluated with uploaded documents only in the e-procurement website.

28. Preliminary Examination

28.1 The Purchaser will examine the bids to determine whether they are complete, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

28.2 The Purchaser may waive any minor informality, nonconformity, or irregularity in bid which does not constitute a material deviation, provided such waiver doesn't prejudice or affect the relative ranking of any Bidder.

28.3 Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one, which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security, and Taxes and Duties will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

28.4 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

29. Evaluation and Comparison of Bids

- 29.1 The Purchaser will evaluate and compare the Technical & Pre-Qualification Bids, which have been determined to be substantially responsive. In case the Technical, Financial & Pre-qualification requirements are found to be adequate and as required after the examination, Price Bids of the qualified bidders will be opened subsequently.
- 29.2 The Purchaser'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. However, if in the opinion of the purchaser the bidder has offered equipment/ material better than the technical specification the same may be considered.
 - b) Further, the purchaser may enquire from the bidder in writing for any clarification of the bid. The response of the bidder will also be in writing. However, no change in the prices or substance of the bid will be sought, offered or permitted.
 - c) Bids will be examined for completeness and for any computational errors. **If there is a discrepancy between the soft copy and the hard copy, the hard copy will prevail.**
 - d) It will be ensured that the required sureties have been furnished and that the documents have been properly signed.
 - e) The bid may 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 who is banned from further business transactions and the period of ban is still in force.
 - f) The purchaser's evaluation of a bid shall take into consideration one or more of the following factors.
 - i) Qualifying Requirements in respect of the Financial.
 - ii) Completion period offered in the bid;
 - iii) Commercial & Technical deviations. **(Brought out in the prescribed proforma will only be considered. Deviations elsewhere indicated in the bidding documents will not be considered)**
 - iv) The cost of components, mandatory spare parts, and service;
 - (v) The projected operating & maintenance costs during the life of the equipment/ material;
 - (vi) The performance and productivity of the material/ equipment offered;
 - (vii) Other specific criteria indicated in the Bidding documents.
 - g) The following criteria may be adopted for taxes and duties for evaluation.
 - a) It is the responsibility of the bidder to quote all taxes and duties correctly without leaving any column unfilled. Where taxes and duties are not applicable the bidder should enter 'NA' and if no duty/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 any tax, the documentary evidence to that effect will be enclosed by the bidder.

h) Prior to detailed evaluation, the responsiveness of each bid will be determined. A substantially responsive bid is one that conforms to all the terms and conditions of the bidding documents without material deviations. For this purpose superscription, qualification requirement, bid security, validity, Completion period, payment terms, 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 material deviation.

i) The purchaser may waive any minor informality, non-conformity or irregularity in the bid which does not constitute the service deviation, provided such waiver does not affect the relative ranking of any bidder. The purchaser will clearly indicate in the bid specification the methodology for evaluation of bids.

- a) Bid price, which will include service cost and all Taxes & other legally permissible duties & levies payable.
- b) Completion period offered in the bid.
- c) Deviations in payment schedule from that specified in the general terms and conditions of the contract.
- d) The cost of survey
- e) The availability of spare parts and after-sales services for the equipment offered in the Bid;
- i) "The bidders for works shall invariably possess "GST", 'TIN' & 'PAN' Numbers" and the same should be furnished for Bids above Rs.5.00 Lakhs.

29.3 Any statutory variations of taxes and duties and new levies imposed after opening of the bid and before award of the contract will be taken into consideration for the purpose of evaluation.

29.4 A substantially responsive bid is one, which conforms to all the terms and conditions of the bidding documents without deviations. For this purpose, qualification requirement, bid security, validity, delivery, payment terms, price schedule, taxes & duties will be deemed to be the critical provisions and deviations in any one of these things will be deemed to be a material deviation.

30. Contacting the Purchaser.

30.1 From the time of the bid opening to the time of contract award, if any Bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing.

30.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison, or contract award will result in the rejection of the Bidder's bid.

F. Award of Contract

31. Post Qualification

31.1 In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily.

31.2 The determination will take into account the Bidder's financial capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualification submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.

31.3 The Purchaser will award the contract to the successful Bidder / Bidders whose bid has / have been determined to be substantially responsive.

However it is not binding on APTRANSCO to accept the lowest or any other Bid. It reserves the right to place orders on different Bidders.

31.4 In the opinion of the purchaser in case it is undesirable to depend on one Bidder, quantity maybe distributed among two or more Bidders adopting the same price.

31.5 In case of distribution of quantities among two or more sources due to

- (i) Large quantity of Substations for survey
- (ii) Deliveries are spanning more than nine months
- (iii) The L1 is already executing other orders in APTRANSCO

31.5 The following ratio at the same prices shall be adopted

When the sources of supply are two, percentage distribution between L1 & L2

- i. When there are two identical L1 offers, order may be shared with 50:50 ratio
- ii. In case of urgency of material, distribution of quantities in 50:50 ratio shall also be considered even though the offers are not identical, when both L1 and L2 are industries in the private sector
- iii. If L1 already executing many other orders in APTRANSCO or other utilities, for reliability of supplies the quantities may be distributed between 2 or 3 supplies with L1-40%, L2-30% & L3-30% quantity

32. Purchaser's Right to vary Quantities at the time of Award

32.1 The Purchaser reserves the right at the time of contract award to increase or decrease by 50%, the quantity of services originally specified in the 'Schedule of Requirements' without any change in unit price or other terms and conditions.

32.2 The purchaser reserves the right to vary the ordered quantity by $\pm 50\%$ during the execution of the contract.

36. Purchaser's Right to Accept Any Bid and to Reject Any or All Bids

32.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or Bidders. The Purchaser will inform the affected bidder/bidders of its reasons.

33. Notification of Award

33.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the Successful Bidder in writing by registered letter or by fax, to be confirmed in writing by registered letter, that its bid has been accepted.

33.2 The notification of award/LOI will constitute the formation of the Contract.

33.3 Upon the successful Bidder's furnishing of the performance security, the Purchaser enters into contract with successful Bidder/ Bidders. The Purchaser will notify each unsuccessful Bidder and will discharge its Bid Security.

33.4 The Bidder will have to predefine the Bank Account details after receipt of LOI and before entering into contract for electronic transfer of payment.

35. Signing of Contract:

The Purchaser notifies the successful Bidder that its bid has been accepted. Within 30 (thirty days) of receipt of notification of award of Contract, the successful Bidder will sign and date the

contract. Failure to comply with this stipulation will entail cancellation of the contract besides forfeiture of the bid security.

36. (A) Performance Security:

- 36.1 Within fifteen (15) days of receipt of notification of contract award/LOI, the successful Bidder will furnish to the Purchaser the performance security for an amount 10% of the contract value for proper fulfilment of the contract, which will include the warranty period, and completion of performance obligations including Warranty obligations. The Performance Security will cover 60 days beyond the date of completion of performance obligations including Warranty obligations.
- 36.2 The proceeds of the performance security will be payable to the Purchaser as compensation for any loss resulting from the Bidder's failure to complete its obligations under the Contract.

36.3 The performance security will be...

- (a) A Bank Guarantee issued by Nationalised Banks/Schedule Banks approved by APTRANSCO as per the list enclosed acceptable to the Purchaser, in the form provided in the bidding documents.
- (b) A banker's cheque or crossed DD or Pay Order payable at the head quarter of the Purchaser in favour of the Purchaser drawn on any Nationalised Bank.

36.4 The performance security will be discharged by the Purchaser and returned to the Bidder not later than sixty (60) days after the expiry date.

36.5 Failure of the successful Bidder to comply with the above requirement will entail cancellation of the award and forfeiture of the Bid Security.

36.6 In case where the performance security is not yet paid, the bid security will be forfeited and the balance to makeup the performance security deposit will be deducted from pending payments any due to the bidder from APTRANSCO on other orders. In addition, the company will also become liable for black listed by APTRANSCO.

36.7 The permanent performance bank guarantee accepted earlier is deemed to have been withdrawn. The Permanent performance Guarantee is not accepted.

(B) Additional Security Deposit: Not Applicable in this tender.

36.8 FORFEITURE OF PERFORMANCE SECURITY AND ADDITIONAL SECURITY DEPOSIT:

The Performance and Additional Securities will be forfeited in the following cases:

1. When the successful bidder does not fulfill the obligations under the contract or proven to be false submission of the information either in the bid or the information relating to the contract.
2. When the successful bidder fails to execute the work in accordance with the clauses under this specification.
3. When the successful bidder executing the work with in-ordinate delays or with poor quality which hampers the prime object of the contract, the securities will be en-cashed and will be adjusted towards such losses incurred by APTRANSCO or towards risk purchase.

4. When the successful bidder pleads his inability and backs out of his obligations after issue of the preliminary acceptance letter or the letter of intent, the APTRANSCO will forfeit his performance/ additional/ bid securities and also recover the loss, if any, sustained by the APTRANSCO as a consequence of such backing out. In addition, the company will be blacklisted.

40. Corrupt or Fraudulent Practices:

It is essential that the Purchaser as well as Bidder / contractor for the purposes of this provision, the terms set forth below as follows:

- (i) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution, and
- (ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the purchaser of the benefits of free and open competition;
- (iii) Will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (iii) Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing a contract.

37. Use of Contract Documents and Information:

- 37.1 The Bidder will not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, of any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Bidder in the performance of the Contract.
Disclosure to any such employed person will be made in confidence and will extend only so far as may be necessary for purposes of such performance.
- 37.2 The Bidder will not, without the Purchaser's prior written consent, make use of any document or information except for purposes of performing the Contract.
- 37.3 Any document, other than the Contract itself, will remain the property of the Purchaser and will be returned (in all copies) to the Purchaser on completion of the Bidder 's performance under the Contract if so required by the Purchaser.
- 37.4 The Bidder will permit the Purchaser or his authorized representative to inspect the Bidder's accounts and records relating to the performance of the Bidder and to have them audited by auditors appointed by the Bidder.

38. Patent Rights

The Bidder will indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Materials / equipment or any part thereof.

39. Places / Locations

Particulars of site location at which the survey is to be conducted will be given to successful Bidders.

40. Completion Period: The contract shall remain valid for a period of Two (2) years from the date of issue of Letter of Award and may be extended at the discretion of APTRANSCO based on satisfactory performance of the Contractor.

41. PAYMENT: -

41.1 APTRANSCO shall pay the drone inspection charges to the Contractor in accordance with the Letter of Award (LoAs) by respective field CEs/SEs and the specified technical scope of work, subject to submission of the required detailed reports. The payment shall be made on a milestone basis as follows:

- (a) 10% upon mobilization and planning
- (b) 40% upon completion of inspection
- (c) 30% upon submission of reports
- (d) The balance 20% upon final acceptance by APTRANSCO

41.2 The payment mentioned above is subject to submission of performance security as per clause-36 by the Bidder. The bank charges will be made to the account of the Bidder an amount of Rs.50/- (Rupees Fifty only) will be recovered from the bill amount per each disbursement on LOA raised by field unit offices.

41.3 The performance guarantee to be executed in accordance with this specification will be furnished on a stamp paper of value Rs.100/-. The Bank Guarantee will be extended if required suitably in accordance with the provisions of Clause No.36.

41.4 If the Bidder has received any over payments by mistake or if any amounts are due to the APTRANSCO due to any other reason, when it is not possible to recover such amounts under the contract resulting out of this specification, the APTRANSCO reserves the right to collect the same from any other amount and / or Bank Guarantees given by the company due to or with the APTRANSCO.

42. Prices

Prices charged by the Bidder for Services performed under the Contract will not vary from the prices quoted by the Bidder in its bid, with the exception of any price adjustment authorized in the contract.

43. Change Orders

43.1 The Purchaser may at any time, by a written order given to the Bidder make changes within the general scope of the Contract.

44. Contract Amendments

No variation in or modification of the terms of the Contract will be made except by written amendment by the Purchaser and accepted by the Bidder.

45. Penalty for delay:

In case of delays in execution penalties shall be levied at 0.5% of work value up to 7 days, 1% for delays between 7 to 15 days, and 2% per week thereafter subject to a maximum of 10%. Delay in report submission shall attract penalties ranging from ₹5,000 to ₹20,000 per day. Data quality issues shall require rework at Contractor's cost along with 5% penalty. Failure to detect critical defects shall

attract ₹25,000 per instance. Safety violations shall attract penalties between ₹10,000 and ₹50,000. The total penalty shall be limited to 10% of contract value.

46. Termination Rights:

APTRANSCO reserves the right to terminate the contract in case of non-performance, repeated delays, violation of safety norms, or submission of incorrect or misleading data

47. Termination for Insolvency – Not Applicable

48. Termination for Convenience

48.1 The Purchaser, by written notice sent to the bidder, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination will specify the termination is for the Purchaser's convenience, the extent to which performance of the bidder under the Contract is terminated, and date upon which termination becomes effective.

49. Force Majeure

Neither party shall be held liable for failure to perform obligations due to force majeure events including natural disasters, government restrictions, or aviation-related restrictions beyond their control.

50. Settlement of Disputes:

50.1 If any dispute or difference of any kind whatsoever will arise between the Purchaser and the Bidder in connection with or arising out of the Contract, the parties will make every effort to resolve amicably such dispute or difference by mutual consultation.

50.2 If, after thirty (30) days the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Bidder may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

50.3 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause will be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Materials / equipment under the Contract.

50.4 Arbitration proceedings will be conducted in accordance with the following rules of procedure. The dispute resolution mechanism will be as follows:

- (a) In the case of a dispute or difference arising between the Purchaser and a Bidder relating to any matter arising out of or connected with this agreement, such dispute or difference will be settled in accordance with the Arbitration and Conciliation Act, 1996. The Arbitral Tribunal will consist of three Arbitrators one each to be appointed by the Purchaser and the Bidder the Third Arbitrator will be chosen by the two Arbitrators so appointed by the parties and will acts as Presiding Arbitrator. In case of failure of the two Arbitrators appointed by the parties to reach upon a consensus within period of 30 days from the appointment of the Arbitrator appointed subsequently, the Presiding Arbitrator will be appointed by The Institution of Engineers (India).
- (b) If one of the Parties fails to appoint its Arbitrator in pursuance of Sub-Clause (a) within 30 days after receipt of the notice of the appointment of its Arbitrator by The Institution of Engineers (India), will appoint the Arbitrator. A certified copy of the order of the Institution of Engineers (India), making such an appointment will be furnished to each of the parties.

- (c) Arbitration Proceedings will be held at Purchaser's Headquarters, and the language of the Arbitration Proceedings and that of all documents and communication between the parties will be English.
- (d) The decision of the majority of Arbitrators will be final and binding upon both parties. The cost and expenses of Arbitration Proceedings will be paid as determined by the Arbitral Tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc., of its proceedings as also the fees and expenses paid to the Arbitrator appointed by such party or on its behalf will be borne by each party itself.
- (e) Where the value of the Contract is Rs.1.00 Crore and below, the disputes or differences arising will be referred to the Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the appointing authority namely The Institution of Engineers (India).

50.5 Notwithstanding any reference to arbitration herein,

- (a) The parties will continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) The Purchaser will pay the Bidder any monies due the Bidder.

51. Jurisdiction

All and any disputes or differences arising out of or touching this contract will be decided by the Courts or Tribunals situated in Purchaser's Headquarters only. No suit or other legal proceedings will be instituted elsewhere.

52. Notices

52.1 Any notice given by one party to the other pursuant to this Contract will be sent to the other party in writing or by fax and confirmed in writing to the other party's address.

52.2 A notice will be effective when delivered or on the notice's effective date, whichever is later.

53. Foreign Exchange

No Foreign Exchange is available or expected for this purchase. Offers which do not require release of F.E. or procurement of import license by APTRANSCO only will be considered. Where some of the components are to be imported, the manufacturer will have to make their own arrangements for import license etc., and should not look for any assistance from APTRANSCO.

54. Blacklisting/ debaring:

Any Company/ Vendor/ Bidder / Contractor or their promoters who are blacklisted/ debarred by power utility is not eligible to participate in the tenders. No contract/order/ work will be awarded/ placed on any blacklisted/ debarred Vendor/ Bidder / Contractor/ Company or their promoters. Bidders have to furnish a declaration/undertaking in this regard along with the bid. Bids without this declaration are liable for rejection.

55. Reverse Tendering: Not applicable.

56. The clauses in the purchase manual of APTRANSCO shall govern wherever the specification clauses are silent.

57. If any bidder is silent about any clause of specification it is deemed that the bidder is accepted the same.
58. The discount if any offered shall be indicated in the field provided in e-procurement only. Discount given in anywhere other than the discount field will not be considered for tender evaluation.
59. **Training of purchaser staff:** Not Applicable.

SECTION-IV
SCHEDULE OF REQUIREMENTS
SPECIFICATION No. PMMTC1-e- 22/2026

Part A: Tower-wise & Line wise Drone Inspection (RGB + Thermal)

Sl No	Description of Service	Voltage Level	Circuit type (S/C-D/C-M/C)	Plain Area			Critical Area		
				Qty (Approx.)	Unit	Unit Price	Qty (Approx.)	Unit	Unit Price
1	As per the scope of work	132KV Tower	S/C	2500 Nos	Per Tower		1,000Nos	Per Tower	
			D/C	2500 Nos			1,000Nos		
			M/C	1000 Nos			1,000Nos		
			Transmission Line	2000 KM	Per KM		1,000 KM	Per KM	
		220KV Tower	S/C	2500 Nos	Per Tower		1,000Nos	Per Tower	
			D/C	2500 Nos			1,000Nos		
			M/C	1000 Nos			1,000Nos		
			Transmission Line	2000 KM	Per KM		1,000 KM	Per KM	
		400KV Tower	S/C	1000 Nos	Per Tower		500Nos	Per Tower	
			D/C	1500 Nos			1,000Nos		
			M/C	500 Nos			500Nos		
			Transmission Line	1500 KM	Per KM		1,000 KM	Per KM	
2	Mobilization, Deployment of Drone Teams, DGCA Compliance & Insurance	Scope of the vendor							

Part-B: Tower-wise & Line wise Drone Inspection (LiDAR) Optional Services

Sl. No	Description	Unit	Unit Rate (₹)	Remarks
1	LiDAR-based corridor mapping & 3D modelling	Per KM		
2	Re-inspection / Repeat survey (if required)	Per KM / Tower		
3	Additional analytics / AI-based defect detection	Lump Sum / KM		

Note:

1. Drone services planned for approx. 23000Nos towers (15000KM plain area and 8000KM critical Area) and approx. line sections 8500Km (5500Km plain area and 3000Km critical Area)
2. Rates shall be quoted in INR only.
3. Rates shall be inclusive of all costs, including:
 - Mobilization & deployment
 - Drone equipment & sensors (RGB & Thermal)
 - Manpower & pilots
 - Data capture, processing & reporting
 - Software platform (mandatory – free access to APTRANSCO)
 - Travel, lodging, insurance, DGCA permissions, etc.
4. No separate payment shall be made for any additional items.
5. Quantities indicated are approximate and may vary.
6. L1 will be determined based on total evaluated cost.
7. Bidder shall quote both tower-wise and line-wise rates.
8. The bid validity is 90 days from date of bid opening. The quoted rates shall remain valid for **24 months** from date of awarding.
9. **The finalized drone inspection unit rates shall remain valid for any additional requirements, at the sole discretion of APTRANSCO.**

Signature of the Bidder:

Name in Capitals:

Designation:

Seal of the company:

Address of the company:

SECTION-V
GENERAL INFORMATION TO BIDDERS

SPECIFICATION No. PMMTC1-e-22/2026

Name of Work: Selection of a qualified, experienced, and DGCA-compliant Drone Service Provider for drone-based monitoring of transmission line assets covering approx. 23,000 towers / 8,500 KM (400 kV / 220 kV / 132 kV) of APTRANSCO focusing on tower and line corridor inspection, including vegetation clearance with validity for 2 years.

General Terms and Conditions:

1. The Contractor shall deploy DGCA-compliant UAV systems registered on the Digital Sky platform and operated by certified remote pilots. The Contractor shall ensure safe drone operations near energized transmission lines, obtain all statutory permissions, maintain insurance including third-party liability, and comply with NPNT (No permission No take-off) requirements. The Contractor shall mobilize resources within fifteen (15) days, execute inspections as per schedule, submit reports within stipulated timelines and provision and deployment of necessary software tools on APTRANSCO on site servers for viewing, analysis and long-term access of inspection data.
2. APTRANSCO shall provide necessary access to transmission lines, facilitate coordination with field units, and review and approve the reports submitted by the Contractor.
3. The Contractor shall be responsible for logistics and field support, including providing vehicles for transportation of personnel and equipment, conducting ground surveys and reconnaissance, arranging local assistance, deploying manpower, obtaining necessary permissions, and ensuring site coordination. All logistics and associated costs shall be entirely within the Contractor's scope.
4. All data collected during the project, including images, videos, reports, and analytics, shall remain the exclusive property of APTRANSCO. The Contractor shall not use, reproduce, or share the data with any third party without prior written approval from APTRANSCO.
5. The Contractor shall submit raw data within seven (7) days of completion of each transmission line. Data shall be submitted through a portable hard disk, which shall be retained by APTRANSCO.
6. The defect liability period shall be for a duration of twelve (12) months, during which the Contractor shall rectify any deficiencies in data or reports at no additional cost.
7. The Contractor shall adhere to the defined Service Level Agreement (SLA) parameters, including mobilization within 15 days, survey planning within 7 days, inspection progress of 300–500 KM per month, submission of raw data within 48 hours, preliminary reports within 5 days, final reports within 10 days, and reporting of critical defects within 24 hours.
8. The Contractor shall ensure compliance with Key Performance Indicators (KPIs), including minimum inspection coverage of 95%, geo-tagging accuracy of at least 98%, defect detection accuracy of 90%, complete and GIS-compatible reporting, software uptime of 99%, and full compliance with DGCA regulations and safety standards.
9. The Contractor shall strictly comply with DGCA regulations, Digital Sky requirements, NPNT provisions, and all applicable safety norms during execution of drone operations.
10. All data generated during the project shall be the exclusive property of APTRANSCO. The Contractor shall maintain strict confidentiality and shall not disclose any data to third parties without prior written consent.
11. The Contractor shall not assign or sublet the contract without prior approval of APTRANSCO. All statutory taxes, duties, and regulatory compliances shall be borne by the Contractor. APTRANSCO shall not be liable for any indirect or consequential damages.
12. Upon completion or termination of the contract, the Contractor shall hand over all data, reports, and software access to APTRANSCO and provide necessary transition support.

SECTION – VI
QUALIFICATION REQUIREMENTS
Bid.No. PMMTC1-e- 22/2026

1. QR-Supply :

- (a) The bidder must have successfully completed drone-based inspection of at least 1,500 km of EHT transmission lines (132 kV or above) during the last three (3) years for any State/Central Power Utility.
- (b) The bidder must own or have a valid lease agreement for a minimum of five (5) industrial-grade drones equipped with RTK (Real Time Kinematic) capability and dual-sensor payloads (RGB + Thermal), along with AI-based analytics capability.
- (c) The bidder must be associated with a Remote Pilot Training Organization (RPTO) or employ **at least two (2)** the Directorate General of Civil Aviation (DGCA) certified pilots holding valid Remote Pilot Certificates (RPC).

QR-Turnover:

- (i) The bidder shall have a minimum average annual turnover of 3 Crore during the last three financial years.
 - (ii) The bidder's net worth shall be positive as on the last day of the preceding financial year.
2. Purchase preference as per the Public Procurement Policy-Make in India (PPP-MII orders). – **Not applicable in this tender.**
3. All bids submitted will also include the following information:
- a) Copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm or partnership, etc.
 - b) Reports on financial standing of the Bidder such as profit and loss statement, balance sheets and auditor's report for the past three years, bankers certificates etc.
5. Even though the bidder meets the above qualifying criteria, they are subject to be disqualified if they have
- a) made misleading or false representations in the forms statements and attachments submitted in proof of qualification requirements and / or,
 - b) record of poor performance such as not properly completing the contract, inordinate delays in supply completion, litigation history or financial failure etc.
6. Bidders should quote for 100% of the tender quantity of all items indicated in the 'Schedule of Requirements' of Bid specification on single responsibility basis. Offers less than the prescribed quantity will be treated as non-responsive and liable for rejection.
7. Notwithstanding anything stated above the purchaser reserves the right to assess bidders' capability and capacity to perform the contract should circumstances warrant such an assessment in the overall interest of the Purchaser.

SECTION – VII SAMPLE FORMS

1. BID SECURITY FORM

Whereas. (herein after called "the Bidder") has submitted its Bid dated (date of submission of bid) for the(Name of the work) (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 Purchaser) (hereinafter called "the Purchaser") in the sum of for which payment well and truly to be made to the said Purchaser, 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
 - a) 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 Purchaser during the period of bid validity;
 - (a) fails or refuses to furnish the performance security, in accordance with the Bid Specification.
 - (b) fails or refuses to execute the Contract Form if required; or

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser 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 issued by a scheduled Bank.

2. CONTRACT FORM

THIS AGREEMENT made the. day of. 2026 Between.(Name of Purchaser) of the one part and.(Name of Bidder) of the other part:

WHEREAS the Purchaser invited bids for certain Materials / equipment and ancillary services viz.,

.....(Brief description of Services) and has accepted a bid by the Bidder for the supply of those Materials / equipment and services in the sum of.(Contract Price in Words and Figures)(hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions will have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents will be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and the Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Purchaser's Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Bidder as hereinafter mentioned, the Bidder hereby covenants with the Purchaser to provide the Materials / equipment and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Bidder in consideration of the provision of the Materials / equipment and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the services which will be provided by the Bidder are as specified in the Section IV i.e., Schedule of Requirement.

TOTAL VALUE: (Rupees _____ only)

DELIVERY SCHEDULE:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed on the day and year first above written.

Signed, Sealed and Delivered by the
said.(for the Purchaser)
in the presence of.

Signed, Sealed and Delivered by the
said.(for the Bidder)
in the presence of.

NOTE: To be executed on a Rs.100/- Non-judicial stamp paper.

3. PERFORMANCE SECURITY FORM

To:(Name of Purchaser)

WHEREAS.....(Name of Bidder) (hereinafter called "the Bidder ") has undertaken, in pursuance of Contract No.....dated.....2026 to supply.(Description of Materials / equipment and Services) (hereinafter called "the Contract").

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

AND WHEREAS we have agreed to give the Bidder a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, 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 Bidder 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 will be executed on a Rs.100/- non-judicial stamp paper by a scheduled Bank.

**FORM 4: DETAILS TO BE FURNISHED BY THE MANUFACTURER/
Authorised Agent**

1	Specification No.	:	
2	Name of the Material	:	
3	Bidder's vendor Registration No. for this item	:	NA
4	Quantity to be procured	:	NA
5	Last date and time for submission of Bid	:	
6	Date and time for opening of Bid	:	
7	State whether Bid Security is enclosed or Permanent Bid Security available	:	
8	Whether willing to furnish performance Security B.G. @ 10 % if order is placed	:	
9	Whether a local SSI Unit/ Local Unit	:	
10	Whether APTRANSCO delivery schedule accepted?	:	
11	Prices whether variable / Firm	:	
12	Whether any other tax / duty payable. If so give details and the same is included / not included.		
13	State whether APTRANSCO terms of payment are accepted.	:	
14	Quantity offered for supply	:	NA
15	State whether 90 days validity offered	:	
16	Whether sample is enclosed (if specified)	:	NA
17	Whether the material / equipment offered conforms to the relevant APTRANSCO Specification	:	NA
18	Whether you have executed orders of the APTRANSCO previously for these items. (Please give details)	:	NA
19	Similar details in respect of supplies made to other utilities	:	
20	Whether Bid Security exemption letter enclosed, if exempted.	:	
21	Whether GST clearance certificate enclosed	:	
22	Whether Income-tax clearance certificate Enclosed.	:	
23	Furnish the max production capacity per month of your plant for each type of the quoted materials.	:	NA
24	Whether APTRANSCO penalty clause accepted		
25	Whether APTRANSCO Guarantee clause accepted		NA

**5. SCHEDULE OF DEVIATION
TECHNICAL**

Sl. N o.	Requirements / Equipment	Specificatio n 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. N o.	Requirements / Equipment	Specificatio n 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:

6. DECLARATION FORM
UNDERTAKING TO BE GIVEN BY THE COMPANY / PARTNERSHIP FIRM /
CONTRACTOR ALONG WITH THE TENDER

(Regarding Relatives)

I, _____ representing
the Company / Partnership Firm / Bidder responding to the bid invitation by the APTRANSCO /
APEPDCL / APSPDCL / APNPDCL / 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 III 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. N o.	Name of the Officer Employee	Designation and Place of working	APTRANSC O / 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 Authorised Representative

7. DECLARATION TO BE GIVEN BY THE COMPANY / PARTNERSHIP FIRM / BIDDER 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 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 Authorised Representative

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 their
} |
| 11. Son's Son's Wife
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 | |

8. FORM: BANK ACCOUNT DETAILS FOR RTGS

Name of the Bank :

Name of the Branch :

Branch code :

4. City :

5. Account No.

6. MICR No.

7. IFSC No.

Income Tax PAN Number :

GST Registration Number :

Date of GST Registration :

11. Place of GST Registration :

Signature of the Bidder

FORM - 9**UNDERTAKING TO BE GIVEN BY THE COMPANY ALONG WITH THE BID
REGARDING BANNING/BLACK LISTING**

I, _____
representing the Company responding to the bid invitation by the APTRANSCO vide
Specification No. _____ hereby sincerely and solemnly affirm and state as
follows:

- (a) We, _____ (Name of Company) or our
promoter's firm(s) have not been banned/ black-listed/debarred by any Govt. Department/
undertaking or Power Utility for non-performance or malpractice or due to any reasons.

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 Authorised Representative

10. FORM: : BANKERS CERTIFICATE**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that M/s. _____,
having their plant 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.

SECTION-VIII

General guidelines to be followed.

1. The bidder shall have to be an entity registered in India in accordance with law.
2. The bids shall be in the language as prescribed by the tenderer /procurer.
3. The bids shall be in Indian Rupees (INR) (in respect of local content only).
4. The bidder shall follow Indian laws, regulations and standards.
5. The tender fee and the Bank Guarantee (BG) shall be in Indian Rupees only.
6. The bidder shall have to furnish a certificate regarding cyber security/safety of the equipment/process to be supplied/services to be rendered as safe to connect.
7. Tendering by the authorised agency shall be accepted.

LIST OF SCHEDULED BANKS APPROVED BY APTRANSCO	
Sl. No	NAME OF THE BANK
1	Allahabad Bank.
2	Andhra Bank.
3	APCO. Bank, Main Branch, Hyderabad.
4	Bank Of Baroda.
5	Bank Of India.
6	Bank Of Maharashtra.
7	Bank Of Punjab Ltd.
8	Central Bank of India.
9	Centurion Bank Ltd.
10	Citi Bank.
11	Corporation Bank.
12	Federal Bank.
13	HDFC Bank.
14	HSBC Bank.
15	I.C.I.C.I. Bank.
16	I.D.B.I. Bank.
17	Indian Bank.
18	Indian Overseas Bank.
19	ING Vysya Bank Ltd.
20	Karnataka Bank.
21	Karur Vysya Bank.
22	Kotak Mahindra Bank.
23	Lakshmi Vilas Bank.
24	Oriental Bank Of Commerce.
25	Punjab National Bank.
26	Standard Chartered Bank.
27	State Bank Of India and other State Bank group Banks/Associate Banks.
28	Syndicate Bank.
29	U.T.I. Bank Ltd.
30	Union Bank Of India.
31	Vijaya Bank.
32	YES Bank Ltd.