

Addl. SE O&M Division Shed No. T-5, Thermal Designs, Shakti Vihar PSPCL, Patiala
Email – ase.gmt.pta@gmail.com, xen-om-pta@pspcl.in Contact No. 96461-11125

Tender Notice**Tender Enquiry No. 09 / 2026-27**

Memo No- 4869

Date: 24-09-2026

Subject: Regarding Tender Invitation for Drone Survey of various 66 kV Transmission Lines Rail Poles and Towers under AE/TL, PSPCL, Patiala.

Sealed Tenders are invited on behalf of P.S.P.C.L for the execution of following works. The last date of sale of tender document/specification is 12.10.2026 up to 16.00 hrs. The complete tender documents should reach this office on or before 13.10.2026 at 11.00 hrs and the tender will be opened on 13.10.2026 at 12.00 hrs in the presence of the firm's representatives who would like to be present.

Sr. No.	Description of work	Earnest Money	Cost of tender Specification
1	Regarding Tender Invitation for Drone Survey of various 66 kV Transmission Lines Rail Poles and Towers under AE/TL, PSPCL, Patiala. The contractor will quote the rates as per Performa Annexure –B	“NIL” EMD up to Rs. 5,00,000/-. For tenders above Rs. 5,00,000/-, EMD @ 2% of the tender value, rounded off to the next higher multiple of Rs. 10/-, subject to a minimum of Rs. 10,000/- and a maximum of Rs. 20,00,000/-.	1000 + GST@18% = 1180/-

Terms & Conditions for above said work will be as per Annexure-A

Note: The tenders shall be opened on next working day if the scheduled date of opening of tender happens to be a holiday.


Addl. SE
O&M Division
PSPCL, Patiala

TENDER ENQUIRY NO. 09 / 2026-27SCOPE OF WORK

Sr.No	Name of 66 kV lines	Total Nos. of H-Rail Poles	Total nos. of Towers
1	220 KV Ablowal- 66 KV Patiala 1	2	31
2	220 KV Ablowal- 66 KV Patiala 2	56	30
3	220 KV Ablowal - 66 KV Shakti vihar	0	35
4	220 KV Ablowal-66 KV Lang	0	39
5	220 KV Passiana - 66 KV MES - 66 KV Shakti Vihar	0	44
6	220 KV Bhateri-66 KV Bhadurgarh C-1	0	39
7	220 KV Bhateri-66 KV Bhadurgarh C-2	0	39
8	220 KV Bhateri-66 KV Bhankar	0	100
9	220 KV Bhateri-66 KV Sanour	0	72
10	220 KV Bhateri-66 KV Patiala	44	32
11	220 KV Bhateri-66 KV Ghanour Ckt 1	0	83
12	220 KV Bhateri-66 KV Ghanaor Ckt 2	0	83
13	220 KV Devigarh-66 KV Rohar Jagir C-1	0	45
14	220 KV Devigarh-66 KV Rohar Jagir C-2	0	45
15	220 KV Rajla-66 KV Fatehmajri ckt 1	0	36
16	220 KV Rajla-66 KV Fatehmajri ckt 2	0	36
17	220 KV Rajpura-66 KV Gajjukhera	0	71
18	220 KV Rajpura-66 KV Dharamgharh	0	48
19	220 KV Rajpura-66 KV Old Rajpura -1	0	69
20	220 KV Rajpura-66 KV Old Rajpura-2	0	69
21	220 KV Rajpura-66 KV FocalPoint ckt-1	0	81
22	220 KV Rajpura-66 KV FocalPoint ckt-2	0	81
23	220 KV Passiana-66 KV NIS Ckt 1	0	27
24	220 KV Passiana-66 KV NIS Ckt 2	0	27
25	66 Focal Point-Noshehra	0	43
26	66 KV Barn-Focal Point Patiala	0	11
27	66KV Focal Point - Bahadurgarh	0	39
28	66 KV Fatehmajri-66 KV Bahmana -1	0	36
29	66 KV Fatehmajri-66 KV Bahmana -2	0	36
30	66 KV Bhateri-66 Kv Lakhomajra	0	52
31	220 KV Passiana-66 KV Tulewal-Chounth	0	61
32	220 KV Passiana - Sanour - Toff Sanauri Adda	0	29

33	220 KV Passiana-66 KV Dakala	61	6
	Total	163	1575

Note:- In certain transmission-line sections, common/shared towers are used for more than one 66 kV circuit. However, these circuits are electrically separate and are required to be surveyed independently, each circuit shall be considered separately for the purpose of the drone survey

GENERAL TERMS & CONDITIONS:

a) SUBMISSION OF TENDERS:

Not with standing anything contained to the contrary in the specifications of tenders or in subsequent exchange of correspondence, these conditions of contract shall be binding on the firm and any change or variation expressed or implied, however, made in the said conditions shall not be valid or operated unless expressly approved by the competent authority. The contractor/firm shall be deemed to have fully informed himself and to have special knowledge of the provision of the conditions of contract herein contained.

The following instructions must be carefully observed by the tenderer. Quotation/tender not strictly in accordance with these instructions will be liable to be rejected.

- i) The tender must be complete in all respects.
- ii) Telegraphic/Telefax/Telex quotation will not be accepted.
- iii) Quotation/tender should be sealed properly and subscribed with Tender Specification No. as given on the Enquiry/Tender Notice together with the date on which the tender opening is due and the name of work.
- iv) Quotation/Tender shall be received in the office of ASE/O&M Division, Shed No. T-5, Thermal Designs, Shakti Vihar, PSPCL, Patiala.
- v) A set of tender documents can be obtained from the office of ASE/O&M Division, Shed No. T-5, Thermal Designs, Shakti Vihar, PSPCL, Patiala against payment (non refundable) of Rs 1000/- + GST by cash/bank draft in favor of ASE/O&M Division, PSPCL, Patiala.

b) INVALIDATION OF TENDERS:

The tenders must be complete in all respects. Conditional, incomplete, improperly sealed tenders or tenders received after the due date and time for any reason whatsoever shall be liable to rejection.

c) SIGNING OF TENDER:

The tender shall be signed by the proprietor of the firm or by a person duly authorized through a valid Power of Attorney. Documentary proof in support of such authorization shall be enclosed with the tender at the time of submission, failing which the tender may not be considered.

d) CONFORMITY WITH SPECIFICATIONS:

The tenderer shall strictly comply with the specifications and conditions laid down in the tender documents. Any tender proposing alterations in the specified scope of work, completion time, or incorporating additional terms and conditions shall be liable to rejection.

e) INITIALING OF CUTTINGS AND CORRECTIONS:

Each page of the tender document, including the Schedule of Quantities and drawings (if any), shall be signed and dated in ink by the tenderer as a token of having examined and accepted the same. Any corrections in the quoted rates shall be duly signed and dated by

the tenderer before submission of the tender. All corrections, overwriting, additions, or pasted slips shall be properly initialed by the contractor. Non-compliance with these instructions shall render the tender liable to rejection

f) **RIGHT TO REJECT TENDER:**

The officer inviting tenders/Contracting Agency/PSPCL reserves the right to reject the tender received without assigning reasons whatsoever. PSPCL shall not be responsible for, nor liable to pay, any expenses or losses incurred by the tenderer in preparation and submission of the tender.

g) **POST-TENDER MODIFICATION:**

No modifications in the bid shall be made by the bidder after opening the tender unless specifically requested by PSPCL.

h) **ASSIGNMENT OR TRANSFER OF CONTRACT:**

The contractor shall not assign or transfer the contract or any part thereof, or any interest therein, to any other party without the prior written approval of the Accepting Authority.

i) **SUB-CONTRACTING:**

The contractor shall not sublet any portion of the contract without the prior written approval of the Engineer -in -Charge.

j) **CHANGE IN CONSTITUTION OF FIRM / ADDRESS:**

In case the tender is submitted by a partnership firm, any change in the constitution of the firm shall be immediately notified to the Engineer-in-Charge. Similarly, any change in the address of the contractor shall also be promptly intimated.

TECHNICAL SPECIFICATIONS FOR DRONE SURVEY OF 66 kV TRANSMISSION LINES

a) **SCOPE OF WORK**

The work shall comprise drone-based aerial inspection/survey of 66 kV transmission lines, including earth wire clamps, insulator strings, Jumpers/Jumper clamps and associated fittings etc.

The survey shall be carried out using suitable high-resolution camera-equipped drones operated by competent and duly authorized personnel. The objective of the survey is to identify visible defects, abnormalities and potential maintenance issues so as to facilitate preventive and timely maintenance of the transmission lines.

The scope shall include:

1. Aerial inspection of each tower and associated line components like earth wire clamps, insulator strings, Jumpers/Jumper clamps and associated fittings etc..
2. Recording of the tower number and string identification if any of each identified defect.
3. Preparation and submission of photographs (Soft copies) of each earth wire clamp, insulator string, Jumper/Jumper clamps and associated fittings etc.

b) **DRONE AND CAMERA SPECIFICATIONS**

The drone used for the survey shall be of suitable professional grade and shall have, as a minimum:

1. High-resolution digital camera suitable for detailed inspection of transmission line components.

2. Minimum 20 MP still-image capability or equivalent.
3. 4K or higher video recording capability.

The concerned officer or incharge may require demonstration of the drone and camera capabilities before commencement of the work.

c) **SURVEY METHODOLOGY**

The survey shall generally be carried out tower-to-tower, covering the complete line route. Adequate photographs shall be taken of each tower and all major line components as specified in scope of work.

The drone shall be flown at a safe distance from energized conductors and other electrical equipment. The contractor shall maintain all required safety clearances and shall comply with the instructions of PSPCL's Engineer-in-Charge.

The survey shall preferably be carried out during suitable daylight and weather conditions to ensure clear visibility and high-quality images.

In case any portion of the line cannot be adequately inspected due to vegetation, weather, accessibility or other constraints, the same shall be specifically recorded in the survey report.

d) **INSPECTION REQUIREMENTS**

The following components shall, as applicable, be inspected:

A. Insulators

- Broken/cracked insulator units.
- Abnormal positioning.
- Visible contamination or flashover marks.
- Condition of insulator strings and associated hardware.

B. Earth Wire

The earth wire, shall be inspected for:

- Broken strands near clamp.
- Visible damage.
- Corrosion or other abnormalities.
- Damaged or loose clamps/fittings, wherever visible.

e) **PHOTOGRAPHIC DOCUMENTATION**

For every identified defect:

- Clear, high-resolution photographs shall be provided.
- A suitable close-up photograph shall be taken wherever required.
- Each photograph shall be properly identified with **Tower No.**
- The photographs shall be sufficiently clear to enable subsequent technical assessment.

f) **SAFETY REQUIREMENTS**

The contractor shall be solely responsible for safe operation of the drone and deployment of its personnel.

h
C

The following shall be strictly ensured:

1. Drone operations shall be carried out only by appropriately trained/authorized personnel.
2. All applicable statutory/regulatory requirements relating to drone operations shall be complied with.
3. No drone shall be operated in a manner that may endanger the transmission line, personnel, public or property.
4. Required electrical safety clearances from energized conductors shall be maintained.
5. Drone operation shall be suspended during adverse weather conditions such as strong winds, heavy rain, lightning or poor visibility.
6. The contractor shall obtain all permissions/authorizations required for the drone operation before commencement of the work.
7. The contractor shall coordinate with PSPCL field staff before carrying out the survey.
8. No shutdown of the transmission line shall be assumed to be available unless specifically authorized by PSPCL.

g) **QUALITY OF SURVEY**

The survey shall be of sufficient quality to enable identification of visible defects from the captured images. If any photograph/video is found to be blurred, obstructed, inadequately exposed or otherwise unsuitable for inspection, the contractor shall re-survey the concerned tower/portion of the line without any additional cost to PSPCL. PSPCL may direct re-inspection of any particular tower or line section where the submitted data is considered inadequate.

h) **CONFIDENTIALITY AND OWNERSHIP OF DATA**

All photographs and other information generated during the survey shall remain the property of PSPCL. The contractor shall not share, publish, reproduce or use the survey data for any purpose other than execution of the contract without prior written permission of PSPCL.

i) **COMPLETION OF WORK**

The survey shall be considered complete only after:

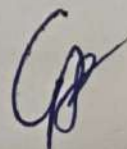
- The entire assigned line route has been surveyed.
- All towers/line sections have been covered.
- Required photographs have been submitted.
- Final data has been accepted by the Engineer-in-Charge/Concerned officer.

j) **RE-SURVEY**

If any tower/line section is missed or the submitted photographs/data are found inadequate due to reasons attributable to the contractor, the contractor shall carry out the required re-survey at no extra cost to PSPCL.

k) **ACCEPTANCE OF WORK**

The final acceptance of the survey shall be subject to verification by the Engineer-in-Charge, PSPCL. The Engineer-in-Charge shall have the right to reject incomplete, unclear or technically inadequate survey data and require its correction/re-submission.



OTHERS TERMS & CONDITIONS:-

a) RATES:

The rates quoted by the bidder shall be firm and final. The bidder shall clearly indicate the taxes, duties, levies and other charges included or excluded in the quoted rates.

b) VALIDITY:

The offer shall remain valid for a period of at least 120 days from the date of receipt/opening of the tender.

c) VERIFICATION AND CERTIFICATION

After completion of the drone survey, the survey work shall be subject to verification and inspection by AE/TL, PSPCL, Patiala. The work shall be considered complete only after satisfactory verification of the survey coverage and quality of the captured data/images. The completion of the work shall thereafter be certified by AE/TL, Patiala.

d) PAYMENT:

The payment shall be released only after verification and certification by the concerned AE/TL, Patiala / authorized officer, confirming that the work has been carried out satisfactorily and in accordance with the tender specifications.

e) COMPLETION PERIOD:

The work shall be completed within the period specified in the Work Order. The contractor shall mobilize adequate manpower, tools and materials to complete the work within the stipulated period.

f) EXECUTION OF WORK

The work shall be carried out strictly in accordance with the PSPCL specifications and instructions of the AE/TL, Patiala/ Engineer-in-Charge.

g) FACILITIES BY PSPCL:

☐ **Line and Tower Details:** PSPCL shall provide the available details of the 66 kV transmission lines to be surveyed, including line name, tower numbers and route details, wherever available.

☐ **Access and Coordination:** PSPCL shall facilitate coordination with the concerned field staff for access to the line route and identification of towers, wherever required.

☐ **Technical Guidance:** PSPCL's Engineer-in-Charge/authorized representative shall provide necessary technical guidance regarding the transmission line, tower numbering and specific locations requiring inspection.

☐ **Shutdown Coordination:** Where a shutdown is considered necessary for any specific survey activity, PSPCL shall coordinate the shutdown as per the applicable operational requirements. However, the availability of shutdown shall be subject to the system conditions and approval of the competent authority.

☐ **Identification of Critical Locations:** PSPCL may identify specific towers/locations requiring detailed inspection or additional photography/video coverage.

☐ **Site Coordination:** The concerned PSPCL field officials shall coordinate with the contractor's survey team, wherever required, for smooth and safe execution of the survey.

h) INCOME TAX:

Income Tax and other statutory deductions, as applicable at the time of payment, shall be deducted from the contractor's bills as per the prevailing rules of the Income Tax Act.

i) RESPONSIBILITY FOR PSPCL EQUIPMENT:

The contractor shall be responsible for the safety of PSPCL transmission line structures, conductors, earth wire, insulators and associated equipment during the drone survey. Any damage caused due to negligence or improper operation of the drone shall be rectified/reimbursed by the contractor at his own cost.

j) **LABOUR LAWS & REGULATIONS:**

The contractor shall be fully responsible for compliance with all applicable labour laws, rules and regulations, including provisions of the Workmen Compensation Act and other statutory obligations in respect of labour engaged by him for execution of the work at PSPCL sites.

a) **FORCE MAJEURE:**

If at any time during the execution of the contract, performance of obligations by either party is prevented or delayed due to events such as war, hostility, acts of public enemy, civil commotion, sabotage, floods, explosions, epidemics, fires, acts of God, strikes or lockouts (hereinafter referred to as "Force Majeure Events"), the affected party shall notify the other party within 15 days of occurrence of such event. In such circumstances, neither party shall be liable for damages for non-performance or delay in performance of contractual obligations. The work shall resume as soon as practicable after cessation of the Force Majeure event and reasonable extension of time shall be granted for completion of work.

b) **ARBITRATION CLAUSE:**

- i. If any question, difference or objection whatsoever shall arise in any way connected with or arising out of this instrument or the meaning or operation of any part thereof for the rights, duties or liabilities of either party then save in so far as the decision or any such matter is herein before provided and has been so decided every such matter including whether its decision has been otherwise provided for and/or whether it has been finally decided accordingly or whether the contract should be terminated or has been rightly terminated and as regard the rights and obligations of the parties as the results of such termination shall be referred, for sole arbitration of the nominee of the PSPCL, who in case of dispute involving an amount exceeding Rs 50,000/- shall give a reasoned award and his decision shall be final and binding and where the matter involves a claim for the payment or recovery or deduction of money, only the amount if any, awarded in such arbitration shall be recoverable in respect of the matter so referred. If the matter is not referred to arbitration within 180 days of the date of completion of work or payment of the final bill whichever is later all the rights and claims under the contract shall be deemed to have been forfeited and absolutely barred.
- ii. Upon every or any such reference, the cost of and incidental to the reference and award respectively shall be in the discretion of the Sole Arbitrator so appointed who may determine the amount thereof or direct the same to be taxed as between solicitor and client or as between party and party and shall direct by whom and to whom and in what manner the same is to be borne and paid.
- iii. The work under the contract shall be continued during the arbitration proceedings and no payment due or payable by the purchaser /PSPCL shall be withheld on account of such proceedings.

c) **DAMAGES TO WORKS:**

The contractor shall be responsible for any loss or damage to materials or works until completion and handing over, including damage caused by floods, earthquakes, storms,

rains, wars or other natural calamities. PSPCL shall not be liable to pay any compensation for such losses. The contractor shall restore the damaged work at his own cost to the satisfaction of the Engineer-in-Charge and shall arrange necessary insurance coverage against such risks.

o) **JURISDICTION:**

In case of any dispute arising out of the contract, the jurisdiction for filing any legal proceedings shall be the competent courts at Patiala, being the headquarters of the PSPCL Contract Signing Authority.

p) **PENALTY CLAUSE**

The time allowed for completion of work shall be strictly observed by the contractor and shall be reckoned from the date of issuance of the order to commence work. If the contractor fails to complete the work within the stipulated time, he shall be liable to pay a penalty at the rate of 0.5% (half percent) of the estimated cost of the work per week for the period of delay. However, the maximum penalty shall not exceed 5% of the estimated or actual cost of the work, whichever is higher.

q) **EARNEST MONEY DEPOSIT (EMD)**

No Earnest Money Deposit (EMD) shall be required for quotations/tenders having an estimated value up to Rs. 5,00,000/- and For tenders having a value above Rs. 5,00,000/-, the bidder shall submit Earnest Money @ 2% of the tender value, rounded off to the next multiple of Rs. 10/-, subject to a minimum of Rs. 10,000/- and a maximum of Rs. 20,00,000/-, in the shape of Demand Draft payable at Patiala in favor of Sr. Xen/Civil Construction & Maintenance Division, PSPCL, Patiala along with the quotation. Tenders submitted without EMD shall be rejected. The EMD of unsuccessful bidders shall be refunded within one month from the date of award of contract to the successful bidder. The EMD/Security shall be liable to forfeiture in case of withdrawal of the offer, modification of the offer without consent of PSPCL, or failure to execute the work as per contract conditions.

r) **SECURITY DEPOSIT**

The successful Tenderers shall be required to submit Security deposit for faithful execution of the purchase order/Contract at the rate of five percent (5%) of ordered value rounded off to a multiple of Rs. 10/- on the higher side.

Ordinarily the Earnest Money received against Tenders shall be converted into Security Deposit. If the amount of earnest money received against Tenders is more than the amount of Security Deposit required against the Purchase Order/Contract, the balance shall be refunded within one month of the finalization of the Tender enquiry and in case of shortfall, if any, the Contractor/Supplier shall be required to deposit the additional amount. On faithful execution of Purchase Order/Contracts in all respects, including warranty period, if any, Security Deposit of the Contractor/Supplier shall be released by the Contracting/Purchasing Agency. The refund shall be made within 30(thirty) days from the issue of security release order by the concerned purchasing agency.

In the event of default on the part of the Contractor/Supplier in the faithful execution of Purchase Order/Contract his Security deposit shall be forfeited by an order of the Contracting/Purchasing Agency.

The forfeiture of Security Deposit shall be without prejudice to any other rights arising or accruing to the Board under relevant provisions of the purchase Order/Contract like penalty etc. including suspension of business dealings with PSPCL for a specific period. The Security Deposit shall remain valid for a period of twelve (12) months from the date of successful completion of the work.

h G

s) **GOODS AND SERVICE TAX:-**

PSPCL is registered centrally in the state under GSTIN 03AAFCP5120Q1ZC. GST, as applicable, will be paid as per prevailing provisions of GST Act & Laws against submission of documentary proof at rate(s) prevailing during the contracted delivery period on the basis of actual. The following certificates shall have to be furnished along with invoice -cum-gate pass duly signed by the authorized agent /signatory. The first invoice should accompany the specimen signatures of the authorized signatory duly attested by the Managing Director of the factory with a copy of orders regarding his appointment as authorized signatory.

Certified that the transaction on which the GST is claimed has been/shall be included in the return submitted / to be submitted to the GST Authorities and the amount claimed from the Punjab State Power Corporation Ltd. has been / shall be paid to the GST Authorities.

Certified that the goods on which GST has been charged have not been exempted under GST Act or rule made there under and that the GST charged on these goods is not more than what is payable under the provisions of relevant act.

Certified that we shall indemnify the Punjab State Power Corporation Ltd. in case, it is found, at a later stage that wrong or incorrect payment had been received on account of GST; the same will be refunded.

Certified that we are registered dealer under the GST Act and our Registration No. is

In case the GST is applicable and is required to be paid extra as referred to Para-(i) above, the tenderer should clearly indicate HSN code of item along with present rate (in percentage) applicable to their company.

The maximum rate (in percentage) up-to which the GST may become leviable/ payable under the prevailing Rules & Regulations applicable to their company, should also be clearly indicated in their tender.

In case the GST is applicable /payable, necessary certificate of GST claimed / GST Gate Pass duly authenticated by the authorized representative of GST Authorities, shall however, be furnished by the supplier along with each consignment. The supplier should, therefore, clearly indicate in their tender that whether such GST Gate Passes/Certificates shall be furnished by them or not.

NOTE: The firms indicating nil or concessional rate of GST in their tenders (if any) will have to absorb GST up to the full rate applicable at the time of tendering.

FURTHER any loss due to non-availability of ITC or levy of penalty/ interest payable by PSPCL on account of non-filing of return or non-compliance or any miss-statement given under the provisions of GST ACT by the firms shall be recoverable from them.

Further GST at applicable rates on principal supply shall be payable on Freight and Insurance.

t) **GENERAL:**

- a) The work shall be executed strictly as per the scope of work specified in the tender.
- b) PSPCL reserves the right to amend or modify the scope of work at the time of issuing the Work Order without assigning any reason.
- c) All provisions of PSPCL Works Regulations, as amended from time to time, shall be applicable to this contract.

h
Addl. SE/O&M Division
PSPCL, Patiala

SCHEDULE OF QUANTITIES AND RATES

Sr.No	Description of Item	Approx. Quantity	Unit	Quoted Rate of complete survey Pole/Tower per Circuit	Amount
1	Drone survey of 66 Kv H-Rail Poles per Pole per Circuit	163	Nos.		
2	Drone survey of 66 kV Transmission Line Towers (SC/DC/MCT) per Tower per Circuit	1575	Nos.		
Sub-Total					
GST @18%					
Total					

*L-1 will determined by overall rates of all items taken together.

*The above quantity may increase or decrease as per actual site survey.


Addl. SE/O&M Division
PSPCL, Patiala