



KERALA FOREST DEVELOPMENT CORPORATION

(A Govt. of Kerala Undertaking)

OFFICE OF THE DIVISIONAL MANAGER, THIRUVANANTHAPURAM DIVISION
OPPOSITE POLICE HEAD QUAERTRES, SATHAMANGALAM P.O-695010

TELE: -8289821100, E-mail: dm-tvm.kfdc@kerala.gov.in, Website: [www. Kfdc.kerala.gov.in](http://www.Kfdc.kerala.gov.in),
CIN: Uo2001KL 1975SGC002660

No. DM/TVM/1185/2025

Date: 05.06.2026

NOTICE INVITING TENDER

E-tenders are invited from reputed and qualified suppliers for the selection of a vendor to supply materials and erect solar fencing in the sub-units of Kerala Forest Development Corporation (KFDC), Thiruvananthapuram Division

Tender document and Tender schedule can be downloaded free of cost from the e-GP website www.etenders.kerala.gov.in all bid/tender documents are to be submitted online only in the designated online cover/envelop on the www.etenders.kerala.gov.in website. Bids shall be accepted only through online mode www.etenders.kerala.gov.in website and tenders submitted manually/through post is not accepted. The e-tender details are also available in KFDC's official website kfdc.kerala.gov.in

TIME SCHEDULE FOR TENDER PROCESS

**E-TENDERFOR SUPPLYING METERIAL & ERECTING SOLAR FENCING
IN SUB UNITS OF THIRUVANANTHAPURAM DIVISION OF KERALA
FOREST DEVELOPMENT CORPORATION**

Date of Publishing of e-Tender	:	05/06/2026
Last date for e-tender	:	16/06/2026, 3:00 PM
Date of Opening of e-Tenders	:	17/06/2026, 4.00 PM
Cost of Tender Form	:	: Rs.2950/- (Inclusive of GST @ 18%) [Non Refundable]
Earnest Money Deposit (EMD)	:	Rs.50000/- (Refundable but non-interest bearing)

**Sd/-
DIVISIONAL MANAGER**



KERALA FOREST DEVELOPMENT CORPORATION

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OPPOSITE POLICE HEAD QUARTERS, SATHAMANGALAM P.O-695010

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1. SCOPE OF WORK

Supply of materials and erection of solar fencing in sub-units of Kerala Forest Development Corporation (KFDC), Thiruvananthapuram Division, for the year 2026-27 as per specifications in **Annexure-I. The rates quoted shall apply to all solar fencing works to be executed under the Kerala Forest Development Corporation (KFDC), Thiruvananthapuram Division, during the financial year 2026-27.**

PART-I

1. Terms and conditions of E-Tender

- i. The Divisional Manager, The Divisional Manager, KFDC Thiruvananthapuram, on behalf of the Managing Director, KFDC, invites e-tenders from reputed and qualified suppliers for the selection of a vendor to supply and erect solar fencing in the sub-units of Kerala Forest Development Corporation (KFDC), Thiruvananthapuram Division. The tender documents and schedule can be downloaded free of cost from the e-GP portal: www.etenders.kerala.gov.in. All bids must be submitted online only through the designated e-tender cover/envelope on the www.etenders.kerala.gov.in website. Bids will be accepted exclusively through the online portal www.etenders.kerala.gov.in Physical /manual submissions or bids sent by post will not be accepted.

- ii. The interested tenderers are advised to read carefully the entire tender documents before submitting their tender.
- iii. Bidders shall remit the tender documents fee and Earnest Money Deposit using online payment option of e-procurement system only and submitted through the Internet online banking of State Bank of India. Kerala Forest Development Corporation/NIC/SBI shall not be responsible for any kind of delay in payment status confirmation.

Cost of Tender Form : : Rs.2950/- (Inclusive of GST @ 18%)
[Non Refundable]

Earnest Money Deposit : Rs.50000/-
(EMD) (Refundable but non-interest bearing)

- iv. The tenderers/companies shall acquaint themselves fully with the requirements of KFDC. No compensation on account of any difficulties will be entertained at a later stage after awarding of works.
- v. The Tender/bid shall be opened online at Kerala Forest Development Corporation Thiruvananthapuram Division Office with/without the presence of bidders/their representatives who wish to attend the above address. If the tender opening date happens to be on a holiday or non-working day due to any other valid reasons, the tender opening will be done on the next working day.
- vi. **Declarations by the Tenderer (last page of this document), Firm Registration certificate, Experience proof, Bid document, EMD exemption certificate (if any), documents showing major supply** would be submitted online (etenders.kerala.gov.in) in the time schedule. KFDC reserves the right to reject any or all the tenders either fully or partly without assigning any reasons and is not bound to accept the lowest tender. The decision of

the KFDC will be final and shall be binding on tenderers at any time and at its sole discretion.

- vii. In the absence of the required EMD cost, the bid shall be deemed to be invalid & will be rejected by KFDC. Those bidders who are exempted from submission of EMD cost, have to submit a scanned copy of the requisite certificate issued by the concerned authorities. The EMD will be returned to unsuccessful tenderers. No interest shall accrue to this deposit which will be returned after completion of the work and after adjusting dues if any.
- viii. EMD shall be forfeited in case of the following:
 - a. If the Successful Tenderer (referred to as “Tenderer”) fails to act according to the Tender Conditions or Backs out after the Tender has been accepted, the Earnest Money will be forfeited to the Corporation.
 - b. In case the successful tenderer fails to execute the work within **15 days** from the date of signing the agreement the tender will be held as non-responsive.
 - c. Tenderer violates any of the conditions prescribed in the Tender Document.
 - d. Tenderer revises any of the terms quoted during the validity period.
 - e. The tenderer withdraws their offer during the period of tender validity.
 - f. After the opening of tender, the tenderer fails to honor the contract or refuses to comply with any or all terms and conditions of the tender.
- ix. In case of further clarification required relating to the tender, the same can be sought from the following officer:

Anzeer E,
Divisional Manager, KFDC,
Thiruvananthapuram
Email: dm-tvm.kfdc@kerala.gov.in
Phone: 8289821100

- x. KFDC GSTIN. 32AAACK8721D1ZZ
- xi. On confirmation of the tender, the successful tenderer will be awarded with the works contract order. Refund of EMD will be after successful completion of the works of said contract.
- xii. The tender for the works shall remain open for acceptance for a period of 60 days from the date of opening of the Tender. The Earnest Money Deposit (EMD) will be forfeited in case of tenderer/company withdraws during the validity period.
- xiii. The losses to the Kerala Forest Development Corporation which are directly attributable to the agency shall be deducted from the bills adjusted from the EMD.
- xiv. The tender work award is not transferable under any circumstances.
- xv. All costs incurred in connection with the submission of tender like preparation, submission of any personal visits, submitting the tender personally; subsequent processing, etc. shall be borne by the tenderer. KFDC will not be responsible/liable for the same regardless of the outcome of the tendering process.
- xvi. KFDC reserves the right to accept or reject any or all the tenders without assigning any reason.
- xvii. TDS and other Taxes as applicable will be deducted from Tenderer/company bills as per Govt. guidelines from time to time.
- xviii. The Managing Director, KFDC reserves the right to reject any tender or all tenders without assigning any reason thereof. The Managing Director does not bind himself to accept the lowest or any offer and reserves the right to select one or more from the offers made as considered expedient. The Managing

Director reserves the right to make any modifications or additions in this notice in the event if it is felt that it is in public interest.

- xix. The decision of the Managing Director will be final and legally binding in these tender proceedings. All questions/disputes arising under/ out of or in connection with this tender shall be decided by the Managing Director of KFDC and his decision shall be final and legally binding in these tender proceedings.
- xx. All other existing conditions related to e- tendering of Kerala Government will be applicable in this tender also.
- xxi. If necessary, discussion/negotiation will be held to finalize the e-render
- xxii. All the tender conditions prevailing in KFDC, Public Works Department (PWD), Electrical Inspectorate, GST will also be applicable to this e-tender.
- xxiii. Must have work experience in government, semi-government and public sector organizations within the last three years
- xxiv. Preference will be given to those with ISO 9001 certification.
- xxv. Preference will be given to those with CPRI certificate.
- xxvi. The amount of the work will be sanctioned only after receiving the technical inspection report from ANERT/Electrical Inspectorate/Government Institutions.
- xxvii. The applicant/applicant institution must have the necessary service facilities and technical support staff. The applicant must resolve any problems that may arise after installation within a maximum of two days.

PART II
GENERAL TERMS & CONDITIONS OF
SUBMITTING PROPOSALS

1. Instructions for submitting Proposals:

- 1.1 The tenderer shall submit the bid online only through the e-GP website of Government of Kerala (www.etenders.kerala.gov.in) as per the procedure laid down in for e-submission as defined in the website. Bid security-EMD and bid processing fee are to be remitted through the e-payment facility in the e-tender portal. The tenderer may download complete set of bid documents from the e-tendering portal. The tenderer shall attach copies of necessary certificates, ***duly sign with seal on all the pages of the tender documents, scan the copies and upload the same using the Digital Signature Certificate.***In addition to the above, the tenderer shall upload a complete set of bid documents with NIT after signing all pages as a token of acceptance of all bid conditions and in the absence of complete set of bid documents, the submitted bid shall be treated as non-responsive and will be rejected by the KFDC. ***Tenderers alone will be responsible for submission of defective tenders and such tenders are liable to be summarily rejected.***
- 1.2 The **financial bid** should be directly entered in e-procurement portal. The tenderer shall submit the **financial proposal** in the format given in **Annexure II** or in any modified form as appearing in the e-tender portal. The consolidated price quoted shall be firm and final and payable for the goods delivered, installed and commissioned in the area indicated in Scope of Work. No payments other than the amount shown as consolidated price shall be made by

KFDC. The amount quoted in Financial Bid /Bill of Quantities (BoQ) should be in Indian National Rupee exclusive of taxes. If any other statutory levy is found to be applicable, the same shall be borne by the tendering firm. The only deviation to the preceding statement could be the levies revised upward or introduced by the State or Central Government after the submission of the tender by the bidder, in which case the Bidder shall produce documentary evidence. Tax will be deducted at source as per the provisions of Income-Tax Act/Goods and Service tax Act prevailing at the time of payment. Separate amounts to be quoted for each item. Lowest for each item may get awarded to concerned tenderer. The Committee (Nominated by the Managing Director, KFDC) will evaluate the financial bid.

1.3 Documents to be uploaded by tenderer:

1.3.1 Duly sign with seal on all the pages of the tender documents, scan the copies and upload the same.

1.3.2 Duly Signed Preliminary Agreement in the format in stamp paper worth Rs 200/-

1.3.3 Those tenderers exempted to pay the EMD are required to submit the certificate issued by the concerned department.

1.3.4 Experience if any, for Supplying material & erecting solarfencing in Private, public, Government Sectors.

1.3.5 The tenderer shall publish documentary evidence of current order/successful completion in this regard.

1.3.6 Copy of GST/PAN of the company/firm.

1.3.7 Declaration by the Tenderer [Annexure III]

1.3.8 Format of declaration by the tenderer in Annexure IV that they are not having any connection directly or

indirectly with the Forest department's/KFDC's employees who are in charge of this work, should be signed and attested in the declaration form attached and uploaded.

2. e-Tendering

- 2.1** All proposals are accepted only through online e-Procurement mode via the e-Procurement portal of Government of Kerala, for which the Tenderers should obtain Digital Signature Certificate from any of the Empaneled Certifying Authorities as mentioned in the e-Procurement portal.
- 2.2** After registering with e-Procurement Portal, in case of any difficulties in downloading NIT document, tenderers may contact the persons whose contact details are given in the e-Procurement Portal or the NIT document. For technical assistance regarding-Tender visit the website <https://etenders.kerala.gov.in> for further guidance.
- 2.3** Tenderers may consider the time involved in payment of Bid security [EMD]and submission of proposals through e-Procurement Portal. The e-Procurement portal screen becomes unavailable immediately after the last date and time mentioned in the NIT document for submission of proposals. The KFDC shall not be responsible for any delay or technical problems in the submission of proposals.
- 2.4** Tenderers may consider the banking transaction time for online transfer of Bid security amount and bid processing fee. The KFDC shall not be held responsible for non-payment/non transfer of Bid security [EMD] and Tender Processing fee on time or for any technical difficulties, bank holiday etc., that may occur during the entire transaction.

3. Selection procedure-Evaluation of Bids

- 3.1** The tenderer/firm should have experience in satisfactorily Supplying material & erecting solar fencing in Private, public, Government Sectors. The evaluation of the tenders will be made first based on technical information furnished in the form given in **Annexure-I** and then based on financial information furnished in the form given in **Annexure – II**.
- 3.2** The rates quoted in the Bill of Quantities (BOQ) should be inclusive of all charges such as labor, transportation, storage etc. but exclusive of applicable taxes. Taxes, as applicable, should be reflected separately in the bills. No correction in the financial bid is permitted. Incomplete or ambiguous bids without documentary proof will not be considered.
- 3.3** No **tenderer** shall be allowed to withdraw the tender rates after opening of the tender. If any tenderer withdraws the rates the EMD amount deposited by him shall be forfeited and he shall be disqualified from participating in any future tender of the Corporation
- 3.4** **KFDC reserves the right to award the contract to one or more tenderers depending upon rates quoted in the tender..**
- 3.5** **KFDC** reserves the rights to accept or reject any or part of the items found inferior in quality of workmanship or/and the quality of materials/goods.
- 3.6** Under no circumstances shall the successful firm appoint any sub-contractor or sub-lease the contract.
- 3.7** **The Items supplied not in accordance with Annexure 1 will not be accepted.**
- 3.8** The decision of the Evaluation Committee shall be final with respect to any subjective factor in the assessment of the quality of the Bid.

Final evaluation criteria on the quality and the cost bared.

4. SECURITY DEPOSIT:

The successful bidder will be required to provide a Performance Security Deposit of 5% value of the total purchase orders placed with the firm payable through NEFT/RTGS/ Demand draft/Fixed Deposit drawn in favour of Managing Director, KFDC, Kottayam only upon award of the contract. Performance Security **should remain valid for a period of one year beyond the date of completion** of all contractual obligations of the supplier including warranty obligations. Security deposit will be refunded only after the expiry of the contract, this deposit is liable to be forfeited, if during the period of contract, the services of the contract are found to be unsatisfactory in any respect, and/or if any of the conditions of the contract is contravened/breached, and/or towards any damage caused due to negligence of the contractor or his employees. The Security Deposit will not bear any interest. The Security Deposit furnished by the Tenderer in respect of his/her Tender will be returned to him after the warranty period.

5. AGREEMENT:

5.1 The successful tenderer, immediately, on receipt of the proceedings order from the authority concerned [**Award of Contract through e-tender portal**], should return a marked copy duly acknowledged as a token of acceptance and should execute an Agreement in Kerala Stamp Paper for an amount notified by Kerala Registration department within **7 (Seven) days** from date of receipt of the proceedings order for the due fulfillment of the contract and shall have to pay all stamp duty, lawyer's charge and other expenses incidental to the execution of the agreement.

- 5.2** Further time of 7 days shall be allowed to execute an agreement by realizing a fine of 1% of the PAC subject to a minimum of Rs. 1000/- and maximum of Rs.15000/-
- 5.3** Tenders will be rejected if the agreement is not executed within 15 days and the work will be awarded to the next lowest tenderer.
- 5.4** If the tenderer fails to execute the Agreement in time, then the EMD (Bid Security) shall be forfeited, and the Contract cancelled. In addition, it will also entail penalties as deemed fit by the KFDC and blacklisting the Contractor.
- 5.5** If the successful tenderer fails to execute the agreement after remitting the required security amount within the prescribed period, the EMD & Security Deposit shall be forfeited and **the Managing Director, KFDC** shall be at liberty to recover any loss or damage caused by the default of the tenderer which results in re-arrangement of the work. The excess cost that has to be paid to the subsequent Tenderer due to such re-arrangement will be realized from the assets of defaulted Tenderer. But **the Managing Director, KFDC** may in exceptional circumstances limit the penalty to the quantum of EMD & Security Deposit based on the orders of the **Managing Director, KFDC in genuine observing cases.**
- 5.6** The successful tenderer will execute the work within **7days** after executing the agreement.

6. Delivery Terms and Period:

6.1 VARIATION IN QUANTITIES- Delivery of materials shall be made by the tenderer in accordance with the terms specified by KFDC. In case the supplied goods do not match the given specifications, KFDC reserves the right to cancel the order. *The Divisional Manager, KFDC reserves the right to increase or to decrease the quantities to the extent of twenty-five percent (25%) indicated in the tender.*

6.2 RELEASE OF SUPPLY ORDER

6.2.1 It is not binding on the part of the KFDC to accept the lowest or any other tender and reserves the right to reject or accept any tender fully or partly or retender without assigning any reason.

6.2.2 The Managing Director, KFDC reserves the right to accept and place the supply orders to the successful tenderer.

6.2.3 The Managing Director, KFDC also reserves the right to relax or waive any of the tender condition and reject the tender if anyone of the conditions enumerated above is violated or any counter condition is given by the tender

6.3 DELIVERY

6.3.1 The regular services will be handled by the successful tenderer and will start from the date of award of the contract. The tenderer will execute the works within 30 days after executing the agreement as per the clauses in 5

6.3.2 . The tenderer should ensure timely completion work as per schedule given by the awarder of the contract/authorized representative by the awarder of the

contract to the KFDC subunits of Thiruvananthapuram at tenderers own cost.

6.3.3The execution of all works should be completed within 30 days of the execution of the agreement.

If the ordered items are not delivered within a reasonable time a penalty of 1 % of the order value per day shall be imposed for the extended period.

6.3.4The delivery period can be extended by the Managing Director, KFDC without imposing a penalty, on the request of tenderer in view of justification given by the successful tenderer and acceptable by the Managing Director, KFDC

6.3.5The delivery schedule should be strictly adhered to. If the tenderer fails to complete the supply within the time stipulated, the work order will be liable to be cancelled. In such a case, the EMD/Security Deposit will be forfeited.

6.3.6The successful tenderer fails to execute all works in the original/extended time schedule after executing the agreement the tender will be held as non-responsive.

Work contract Schedule.

Sl no	Division	Time for Completion
1.	TVM	31.07.2026

7. Penalty: -

In case the successful tenderer fails to act as per the agreement within the specified time, penal provisions shall be attracted. Contract period will be extended for a further period of one month charging penalty @ 1% of the total value of the contract except due to any reasons beyond the control of the Agency (Force Majeure). In

case the contract is not completed during the above extended period, the KFDC shall terminate the contract and rearrange the work in a suitable mode at the risk and cost of the successful tenderer. This will entail forfeiture of the security deposit. The cost of making alternative arrangements will also be recovered from the tenderer.

8. PAYMENT TERMS:

No payment shall be made in advance.

8.1 Payment will be made as per the details below:

On Delivery, installation, and satisfactory certification by the concerned officer in the subunits before 10th of the next month.

8.2 The amount of the work will be sanctioned only after receiving the technical inspection report from ANERT/Electrical Inspectorate/Government Institutions.

8.3 TDS as per rule shall be deducted from the bills of the contractor. The agency must enclose copy of PAN No & GST No. supported by a copy of PAN Card & GST Registration Certificate.

9. CONCILIATION / ARBITRATION:

9.1 If any dispute(s) or difference of any kind whatsoever arises between the parties, the parties hereto shall negotiate with a view to its amicable resolution & settlement through a Committee appointed by MD, KFDC.

9.2 In the event no amicable resolution or settlement is reached between the parties within 30 days after receipt of notice by one party, then the disputes or differences as detailed above shall be referred to & settled by the Sole Arbitrator to be appointed mutually by the parties.

9.3 The venue of the Arbitration shall be Thiruvananthapuram, Kerala India.

10. APPLICABLE LAW & JURISDICTION:

All matters connected with this shall be governed by the Indian law both substantive & procedural for the time being in force & shall be subject to the exclusive jurisdiction of the Indian Court at Thiruvananthapuram, Kerala. KFDC reserves the right to annul the bidding process at any time period to the award of contract including rejection of any or all bids after the same has been received, without thereby incurring any liability to the affected tenderer/company or any obligation to inform the affected tenderers/companies on the ground of KFDC action.

11. VALIDITY & WARRANTY

- 11.1** The tenderers/companies should satisfy themselves before submission of the tender to KFDC that they meet the qualifying criteria and capability as laid down in the Tender document.
- 11.2** The rates quoted shall apply to all solar fencing works to be executed under the Kerala Forest Development Corporation (KFDC), Thiruvananthapuram Division, during the financial year 2026-27. The quoted rates must be firm and shall remain valid **until March 31, 2027**, from the date of the tender opening.
- 11.3** The tenderers/companies must provide the OEM warranty for all items used for fencing except for items 1, 2, 3 of annexure A.
- 11.4** Special Warranty: Annexure A- Item 1, 2 Three-year warranty and for item 3 Five-year warranty

Sd/-
Divisional Manager
Kerala Forest Development Corporation
Thiruvananthapuram

ANNEXURE I

Technical Specifications of Materials

Itm .No	Qty	Unit	Description of Work
1	1	No	Supply of power fence Energizer (10KV)of standard make conforming ton impulse repetition period greater than or equal to 1 second and impulse duration with 500 ohm load of about 5 joules and capable of energizing over a distance of 2kilometres.- 3 year warranty
2	1	No	Supply of crystalline silicone terrestrial photo voltanic module conforming to ILC 612115/IS 14286 with peak wattageOf 150 watts carrying the name of the manufacture of Pvmodule and manufacturer of solar cells- 3 year warranty
3	1	No	Supply 12 V battery to be charged with solar photo voltanic module with rated capacity of 100 AH generally lead acid tubular battery for energizing the energizer. - 5 year warranty
4	1	No	Supply of charge controller unit(10 Amp) of standard make suitable to control the charging of the tubular battery. Automatic system
5	1	No	Supply of lightning diverter of standard make having capacity to divert up to 20 KV
6	110	No	Supply of Intermediate posts including cost of T Angle,cutting,welding and painting charges (8 ft, 25mmx25mmx3mm)
7	17	No	Supply of Corner posts assembly including cost of GI pipe, cutting, welding and painting charges (8ft GI 2" 14 guage)
8	17	No	Supply of support post to the corner post made of GI pipe, cutting,welding and painting charges (8 ft GI 1.5")
9	250	kg	Supply of HT wire of standard make 2.59 mm size (12gauge) zinc coating for use as conducting wire.
10	10	Kg	Supply of 14gauge wire, high tensile, zinc coated for winding the PP reel insulator etc. (14 gauge)
11	50	m	Supply of Lead out cable-double insulated inner core wire of withstanding 15 KV voltage for connecting purposeSuper strain insulator made of virgin polymer UV stabilized eire resistant
12	110	Nos	Supply of Super strain insulator made of vergin polymer UV stabilized fire resistant and suitable to withstand 15 kv voltage.
13	600	Nos	Supply of PP reel insulator madeof virgin high density poly propylene with break down voltage of 15 KV
14	10	Nos	Supply of tension spring made of hot dipped steel of standard make
15	50	Nos	Supply of Wire tightner made of Aluminium-silicon alloy
16	15	Nos	Supply of Warning signs made of long standing polymer sheet of yellow colour with black lettering
17	20	Nos	Supply of rope gate set consisting of steel rope of 5 meters along with one super strain insulator, insulated handle and

			hook assembly.
18	10	Nos	Supply of Earth Device consisting of steel rod with earthing mixture - bentonite clay (1.5"pipe) 5 feet length.
19	1	Nos	Supply of Base unit box for housing energizer battery, charge control unit etc. Body of which is made of Aluminium plate, painted coated provided with stand of 1 meter height made of four legs of Mspipe of 25mm or MS 25mm x25mm x 3mm or single leg of painted MS pipe of 50mm diameter.
20	1	Nos	Supply of Digital voltmeter of standard make
21	1	Nos	Supply of Tool kit consisting of wire tighter rod, double headed spanner, high tensile wire cutter and cutting player.
22	6000	mtr	<p>Cost of installation including boundary clearance ((1000 m x 6 line = 6000mtr)</p> <p>Cost of installation including boundary clearance (1000 m x 6 line = 6000mtr (Aligning the fence in the field as per the direction of departmental officers, clearing the fence line of all weeds to a 1.5 mtr, fixing corner posts at an approximate distance 50m inputs of size 30 cmx30 cm x45 cm in hard soil consolidated by ramming gravel and jungle stone pieces and supported by support posts by hammering the same into hard earth to a depth of 45cm, drawing the conducting wire through PP reel insulators tied to the intermediate posts using winding wire and stretching to required strength by connecting the ends to super strain insulators tied to the corner post in 6 strands, the bottommost line at an average height of 15 cms from the ground and the other strands at an approximate intervals of 20 cm, 25cm, 30 cm and 40 cm connecting conducting wire in every strand across each corner post by means of jointing clamps, fixing wire tightner in every strand at approximate interval of 200 m, providing flood chainset and flood control unit at river cross points, connecting super earth kit to the earth conductor by means of lead out cable and joining clamp, fixing vertical conducting, wire in the forest side of the fence supported by semi-circular conducting wire loop fixed to the conducting wire strand by means of joining clamp for protecting the post from wild animals providing gate assembly at places as decided by the departmental officers by means of rope gate set fixed to corner post acting as gate posts by means of super strain insulators at the fixed end and conducting hook at detachable end providing line connection at the gate point through lead out cable laid underground and energising the live conductors of the fence by means of the energizer fixed at suitable locations at approximate distance of 1.000 km along the fence, connected to the live wire earth wire by means of lead out cable providing sufficient number of earth kits in the line to the tubular battery to the energizer through lead out cable and connecting the solar panel to the battery by means of 2 core wire through charge control unit and fixing lightning diverter in the circuit at appropriate location to protect the energizer from lightning voltage providing and fixing strands for the solar panel and metallic box for safe storage of energizer and battery testing the circuit for required current Voltage and commission</p>

The tenderer must quote item-wise rates per kilometer (1000 meters) for all specified quantities in the online submission. The actual fencing perimeter/length will be confirmed by authorized officers at the time of implementation. The supplier shall then provide all materials in the exact quantities required, strictly maintaining the per-kilometer rates quoted in the e-tender without any variation.

ANNEXURE II

FINANCIAL BID FOR SUPPLY MATERIAL & ERECTING SOLAR FENCING DURING 2026-27 SEASON.

Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder	TOTAL AMOUNT With out Taxes
1	Supply of power fence Energizer (10KV) of standard make conforming to impulse repetition period greater than or equal to 1 second and impulse duration with 500 ohm load of about 5 joules and capable of energizing over a distance of 2 kilometers. -3 YEAR WARRANTY	1	No		
2	Supply of crystalline silicone terrestrial photo voltaic module conforming to ILC 612115/IS 14286 with peak wattage of 150 watts carrying the name of the manufacturer of P module and manufacturer of solar cells -3 YEAR WARRANTY	1	No		
3	Supply 12 V battery to be charged with solar photo voltaic module with rated capacity of 100 AH generally lead acid tubular battery for energizing the energizer. -5 YEAR WARRANTY	1	No		
4	Supply of charge controller unit (10 Amp) of standard make suitable to control the charging of the tubular battery. Automatic system	1	No		
5	Supply of lightning diverter of standard make having capacity to divert up to 20 KV	1	No		
6	Supply of Intermediate posts including cost of T Angle, cutting, welding and painting charges (8 ft, 25mm x 25mm x 3mm)	110	No		
7	Supply of Corner posts assembly including cost of GI pipe, cutting, welding and painting charges (8ft GI 2" 14 gauge)	17	No		
8	Supply of support post to the corner post made of GI pipe, cutting, welding and painting charges (8 ft GI 1.5")	17	No		
9	Supply of HT wire of standard make 2.59 mm size (12 gauge) zinc coating for use as conducting wire.	250	kg		
10	Supply of 14 gauge wire, high tensile, zinc coated for winding the PP reel insulator etc. (14 gauge)	10	Kg		
11	Supply of Lead out cable - double insulated inner core wire of withstanding 15 KV voltage for connecting purpose Super strain insulator made of virgin polymer UV stabilized fire resistant	50	m		
12	Supply of Super strain insulator made of virgin polymer UV stabilized fire resistant and suitable to withstand 15 kv voltage.	110	Nos		
13	Supply of PP reel insulator made of virgin high density poly propylene with break down voltage of 15 KV	600	Nos		
14	Supply of tension spring made of hot dipped steel of standard make	10	Nos		
15	Supply of Wire tightener made of Aluminium-silicon alloy	50	Nos		
16	Supply of Warning signs made of long standing polymer sheet of yellow colour with black lettering	15	Nos		
17	Supply of rope gate set consisting of steel rope of 5 meters along with one super strain insulator, insulated handle and hook assembly.	20	Nos		
18	Supply of Earth Device consisting of steel rod with earthing mixture - bentonite clay (1.5" pipe) 5 feet length.	10	Nos		

19	Supply of Base unit box for housing energizer battery, charge control unit etc. Body of which is made of Aluminium plate, painted coated provided with stand of 1 meter height made of four legs of MS pipe of 25mm or MS 25mm x 25mm x 3mm or single leg of painted MS pipe of 50mm diameter.	1	Nos		
20	Supply of Digital voltmeter of standard make	1	Nos		
21	Supply of Tool kit consisting of wire tighter rod, double headed spanner, high tensile wire cutter and cutting plier.	1	Nos		
22	Cost of installation including boundary clearance ((1000 m x 6 line = 6000mtr)	6000	mtr		

Note: *The amount quoted in Financial Bid /Bill of Quantities (BoQ) should be in Indian National Rupee in exclusive of GST and other taxes. If any other statutory levy is found to be applicable, the same shall be borne by the tendering firm. The only deviation to the preceding statement could be the levies revised upward or introduced by the State or Central Government after the submission of the tender by the bidder, in which case the Bidder shall produce documentary evidence. Tax will be deducted at source as per the provisions of Income-Tax Act prevailing at the time of payment. Separate amounts to be quoted for each item. Lowest for each item may get awarded to concerned tenderer.*

ANNEXURE IV

DECLARATION BY THE TENDERERS

I,.....
.....(name of the authorized signatory)
..... hereby declare that I am not in any way related to any official of Kerala Forest Development Corporation who is in charge of or having control of this work. I agree that if, at any stage it is found that this declaration is untrue, the bid security/performance security furnished by me will be forfeited and the contract entered into will stand cancelled. It is understood that the relationship with the referred to herein will be restricted to my Father, Mother, Son, Daughter, Brother, Sister, Direct Uncle, Nephew, Father-in-law, Mother-in-law, Brother-in-law, Sister-in-law and first cousins of the officers or officials concerned.

Signature of the authorized signatory of the Consultant

Place:

Date: