



KERALA FOREST DEVELOPMENT CORPORATION LTD.KOTTAYAM-3

(A Govt. of Kerala Undertaking)

OFFICE OF THE DIVISIONAL MANAGER, THRISSUR DIVISION,

FIRST FLOOR, CHOICE TOWER, KANIMANGALAM (PO), THRISSUR – 680027.

TELE: -8289821500, E-mail: kfdc.thrissur@yahoo.com, Website: www.Kfdc.kerala.gov.in,

CIN: Uo2001KL 1975SGC002660

**E-TENDER FOR ERECTING & SUPPLY OF SOLAR FENCING
MATERIALS IN MAYANNUR SUB UNIT, THRISSUR DIVISION OF
KERALA FOREST DEVELOPMENT CORPORATION**

DM/TCR/141/E-TENDER/SOLAR/2022-23

Date: 06.06.2022

E-Tender Document

Date of Publishing of e-Tender	: 07.06.2022
Last date for e-tender	: 15.06.2022, 5:00 PM
Date of Opening of e-Tenders	: 17.06.2022, 11:00 AM
Cost of Tender Form	: Rs.680/- (Inclusive of GST @ 12%)
Earnest Money Deposit (EMD)	: Rs.4000/- (Refundable but non-interest bearing)

Sd/-
DIVISIONAL MANAGER



KERALA FOREST DEVELOPMENT CORPORATION LTD.KOTTAYAM-3

E-TENDER FOR ERECTING & SUPPLY OF SOLAR FENCING MATERIALS IN MAYANNUR SUB UNIT, THRISSUR DIVISION OF KERALA FOREST DEVELOPMENT CORPORATION

Terms and conditions of E-Tender

01. General Terms and Conditions:

- i. The Divisional Manager KFDC Thrissur Division for and on behalf of Managing Director KFDC invites e-tender from suppliers for the erecting & supply of solar fencing materials to Mayannur Subunit, KFDC Thrissur. 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 via www.etenders.kerala.gov.in website and tenders submitted manually/through post 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.680/- (Inclusive of GST @ 12%)

Earnest Money Deposit : Rs.4000/-
(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 Division Office, Kanimangalam PO, Thrissur, 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. Declaration 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 through e-mail (kfdc.thrissur@yahoo.com) form the authorized mail ID in the time schedule, failing which such tenders will be rejected. 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. The tenderer withdraws their offer during the period of tender validity.
 - b. 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:

Sri. T.K.Radhakrishnan, Divisional Manager, Thrissur.
Email: kfdc.thrissur@yahoo.com
Phone: 8289821500

- x. KFDC GSTIN. 32AAACK8721D1ZZ
- xi. On confirmation of the tender, the successful tenderer will be awarded with the work order. Refund of EMD will be released after successful completion of the works of said contract.
- xii. The tender for the works shall remain open for acceptance for a period of 30 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 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.

02. Selection procedure:

The tenderer firm should have experience in satisfactorily supplying solar fencing material to private and public sectors, government sectors during the last 3 years. The proof of the above said criteria must be attached with tender form in the following final evaluation criteria on the quality and the cost bared.

03. Documents Required:

- a. Those tenderers exempted to pay the EMD are required to submit the certificate issued by the concerned department.
- b. The tenderer must have experience of at least 3 years of supplying solar fencing materials to Private, public and Government Sectors.
- c. The tenderer shall publish documentary evidence of current order/successful completion in this regard.
- d. Copy of GST/PAN of the company/firm.
- e. Certificates/undertakings to the effect that the tenderer/company have never been blacklisted by any of the Government Organizations/Agents.
- f. Declaration by the Tenderer

04. Delivery Terms and Period:

The regular services will be handled by the successful tenderer and will start from the date of award of the contract. The tenderer will supply the materials within 7 days as and when requested by KFDC. The tenderer should ensure timely completion of supply and erection as per schedule.

05. Penalty: -

KFDC will be at liberty to levy a penalty of up to 2% of the total material value for every two weeks of delay in supply. The maximum amount of penalty shall not exceed 10% of total material. Value including the EMD

that shall also be forfeited except due to any reasons beyond the control of the Agency (Force Majeure).

06. Conciliation / Arbitration:

- a. 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.
- b. 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.
- c. The venue of the Arbitration shall be Thrissur, Kerala, India.
- d. The Arbitrator will give the speaking & reasoned award.

07. 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 Kottayam, 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.

08. Validity:

- a. 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.
- b. Rates should be valid for a period of **6 (Six)** months from the opening of Tender.
- c. 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.

Sd/-
Divisional Manager
Kerala Forest Development Corporation

ITEM WISE DESCRIPTION
OF E-TENDER FOR ERECTING & SUPPLY OF SOLAR FENCING MATERIALS IN
MAYANNUR SUB UNIT, THRISSUR DIVISION OF KERALA FOREST DEVELOPMENT
CORPORATION

Rate – Item wise

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 2 kilometers.
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 Pv module and manufacturer of solar cells
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 battery charger unit 12 V10A
6	1	No	Supply of lightning diverter of standard make having capacity to divert up to 20 KV
7	110	No	Supply of Intermediate posts including cost of T Angle, cutting, welding and painting charges (8 ft, 25mmx25mmx3mm)
8	17	No	Supply of Corner posts assembly including cost of GI pipe, cutting, welding and painting charges (8ft GI 2" 14 guage)
9	34	No	Supply of support post to the corner post made of GI pipe, cutting,welding and painting charges (8 ft GI 1.5")
10	300	kg	Supply of HT wire of standard make 2.59 mm size (12gauge) zinc coating for use as conducting wire.
11	10	Kg	Supply of 14gauge wire, high tensile, zinc coated for winding the PP reel insulator etc. (14 gauge)
12	50	m	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 eire resistant
13	130	Nos	Supply of Super strain insulator made of vergin polymer UV stabilized fire resistant and suitable to withstand 15 kv voltage.
14	1000	Nos	Supply of PP reel insulator madeof virgin high density poly propylene with break down voltage of 15 KV

15	18	Nos	Supply of tension spring made of hot dipped steel of standard make
16	90	Nos	Supply of Wire tightner made of Aluminium-silicon alloy
17	34	Nos	Supply of Joint clamp, zinc coated, 60 micron thick
18	34	Nos	Supply of clamp for fastening conducting wire around posts hot dipped galvanized.
19	15	Nos	Supply of Warning signs made of long standing polymer sheet of yellow colour with black lettering
20	24	Nos	Supply of rope gate set consisting of steel rope of 5 meters along with one super strain insulator, insulated handle and hook assembly.
21	10	Nos	Supply of Earth Device consisting of steel rod with earthing mixture - bentonite clay (1.5"pipe) 5 feet length.
22	2	Nos	Supply of Base unit box for housing energizer battery, charge control unit etc. Body of which is made of Alumminium 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.
23	1	Nos	Supply of Digital voltmeter of standard make
24	1	Nos	Supply of Tool kit consisting of wire tighter rod, double headed spanner, high tensile wire cutter and cutting player.
25	1	LS	Supply of Neon tester for testing line voltage
26	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 x Rs 7/- (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</p>

providing line connection at the gate point through lead out cable and underground and energising the live conductors of the fence by means of the energizer fixed at suitable locations at approximate distance of 1 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.

Item wise rate for 1 Km (1000 mtr) against each quantity should be quote online by tenderer. The exact periphery or length of the fencing should be instructed by authorized officers at time of implementation and the supplier must supply the numbers of each item accordingly without varying the cost quoted for 1 KM in the e-tender

DECLARATION BY THE TENDERER

It is hereby declared that I/ We the undersigned, have read and examined all the terms and conditions, etc. of the tender document for which I/ We have signed and submitted the tender under proper lawful power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me /us and I/We will abide by all the terms and conditions. This is also certified that I/ We/ our principle firm have no objection in signing the Work order for the Brand/ Communication Strategy and media coordination if the opportunity for the brand management/Communication Strategy and media coordination of Kerala Forest Development Corporation against this tender is given to me/us.

Signature of the tenderer.....

Name of the Authorized Signatory.....

Name of the Company/Firm.....

Seal of the Company/Firm.....

Address.....
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Contact No.: