



KERALA AGRICULTURAL UNIVERSITY

TENDER NOTICE

No.COFVKA/2502/2024-A1

Dated. Vellanikkara, 17-02-2025

Sealed tenders are invited for the **Installation of solar fencing at Madathikunnu hill, Machad forest range, Thrissur Forest Division** as part of the project "Assessment of growth and productivity of selected fast growing tree species" attached to the Department of Silviculture and Agroforestry, College of Forestry, Kerala Agricultural University, Vellanikkara with the specifications of the item as detailed below.

Specifications

Solar fencing for approximately 1000 metres around plantation area at Madathikunnu hills

1. Aligning the fence in the field as per the direction of project PI
2. Fixing the corner posts at an approximate distance of 50 m or in sharp turning corner points in pits of size 30 cm x 30 cm x 60 cm in hard soil consolidated by ramming gravel and jungle stone pieces, supported by support post and provide stay support using 2 feet tangle as per requirement.
3. Fixing intermediate / Tangle post at an average distance of 5 meter by fixing in RCC upto 1.50 ft, drawing the conducting wire through PP reel insulator tied to the intermediate posts using binding wire and stretching to required strength by connecting the end to strain insulators tied to the corner post in 7 strands. The height of the posts aboveground should be around 6 ft.
4. The bottommost line at an average of 15 cm from the ground and the other strands at approximate intervals of 25 cm, 35 cm, 45 cm, 60 cm, 75 cm, 90 cm respectively.
5. Fixing wire tighter in every strand at approximate Interval of 100 m.
6. Connecting tension spring in the topmost two conductors at approximate interval of 300m
7. Fixing the Earth rod by digging the pit and filled with earthing compound and then connecting earth rod to the fence earth conductor by means of lead out cable/ht and joining clamp at 150 m interval in fence line and 2 nos earth kit done nearest to energizer earth terminal.
8. Providing gate assembly at four points as decided by the project supervisors. Rope gate set fixed to corner post acting as gate posts by means of strain insulators at fixed end and conducting hook at the detachable end providing line connection at

the gate point through lead out cable laid underground.

9. Energizing the live conductors of the fence by means of the energizer fixed at the suitable locations as per the discussion with project officers 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 earth wire
10. Connecting the tubular battery to the energizer through 2.5 mm² single core copper cable with required sockets and connecting the solar panel to the tubular battery by means of 2.5 mm² single core copper cable through charge control unit and fixing lightning diverter in the circuit at appropriate location to protect the energizer from lightning voltage.
11. Connecting fence fault alarm horn system having range up to 1.5 km to the fence energizer and battery system.
12. Fixing stand for the solar panel and metallic box for safe storage of energizer, charge controller and battery
13. Testing the circuit for required 9.8-10 KV fence voltage and commissioning the fence installation.

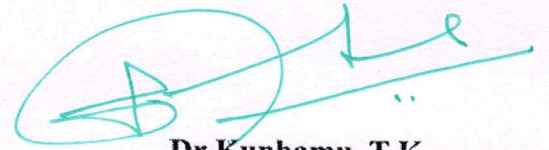
The tender quote for the solar fence with the above specifications / configurations should give **per meter** basis and it should reach the Dean of Faculty, College of Forestry, Kerala Agricultural University, KAU (P.O.), Thrissur 680 656 on or **before 03.00 p.m on 05-03-2025**. Offers may be forwarded in company/ firm's letterhead. The details of guarantee, if any, should be indicated in the tender. The envelope enclosing the tender should be superscripted as "**Tender for installation of solar fence at Madathikunnu hills**". The tenders will be opened at **3.30 pm on 05-03-2025**, in the presence of tenderers or their authorized agents, who may be present. The Dean reserves the right for accepting / rejecting any tenders. All the rules and regulations of government tenders will be applicable. If required, more details can be had from the office of the undersigned during the office hours.

Terms and conditions

1. The details and list of tender forms can be downloaded from the KAU website <http://www.kau.in/>.
2. The cost of tender form 0.2 % of the amount quoted rounded to the nearest multiples of hundred subject to a minimum of Rs 400/- and maximum of Rs1500/- and 18% GST has to be remitted by way of DD drawn in favour of The Dean of Faculty, College of Forestry, KAU payable at SBI KAU campus branch.
3. The last date of receipt of tender is at **03.00 p.m on 05-03-2025** and will be opened at **03.30 p.m.** on the same day.
4. While tendering the rate, the detailed break up of works along with the items that will be used should be clearly mentioned with the specifications.
5. The rate should be quoted in **per meter** basis and also total amount.
6. All tenderers should remit 1% of the tendered amount as EMD in the form of a

separate Demand Draft drawn in favour of the Dean and an agreement in Kerala stamp paper worth Rs.200/- should be also submitted on or before 3.30 pm on 05/03/2025. The format of the agreement is available in the KAU website.

7. The successful bidder should also deposit a security amount of 5% of the cost as DD/FD in favour of The Dean, College of Forestry, KAU payable at S.B.I KAU main campus branch. The security deposit will be released only after the satisfactory completion of the work/warranty period if any.
8. No advance payment will be entertained. All the rate quoted should be including tax.
9. The work should be completed within one month from the date of receipt of work order.
10. The undersigned reserves all the rights with regard to acceptance / rejection of any tenders without assigning any reason. All other rules and conditions for tenders prevailing in KAU will be applicable to this tender also.



Dr.Kunhamu. T.K
DEAN COFVKA

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