निविदा सूचना

दिनांक: १६/११/२०२६

शेतपिक संरक्षण प्रात्यक्षिकासाठी सौर झटका मशीन (सौर विद्युत कुंपण संच) पुरवठ्याकरिता दरपत्रकांची मागणी

कृषी विकास व ग्रामीण प्रशिक्षण संस्था, मलकापूर यांच्या वतीने अंदाजे १ एकर शेतक्षेत्राच्या (३०० मीटर परिमिती, ४ तारा) प्रात्यक्षिकासाठी सौर झटका मशीन व संबंधित साहित्याच्या पुरवठ्यासाठी पात्र उत्पादक / अधिकृत विक्रेत्यांकडून दरपत्रके मागविण्यात येत आहेत.

पुरवठा करावयाचे साहित्य (प्रति संच):

- सौर झटका मशीन (एनर्जायझर) – किमान ८ kV, IS 302/IEC 60335-2-76 नुसार – १ नग
- सौर पॅनेल – किमान ४० Wp – १ नग
- बॅटरी – १२ V, किमान २० Ah, डीप-सायकल – १ नग
- सोलर चार्ज कंट्रोलर – १ नग (मशीनमध्ये एकात्मिक असल्यास चालेल)
- FRP रॉड – ४ फूट, १०–१२ मिमी व्यास – ६० नग
- विद्युत वाहक पॉलीवायर – १२०० मीटर
- इन्सुलेटर / वायर होल्डर – किमान २६० नग
- अर्थिंग किट, लीड-आउट केबल, गेट हँडल संच, इशारा फलक (४ नग), पॅनेल माउंटिंग व बॅटरी पेटी

एकूण आवश्यक संच: कमीत कमी २०० संच, आवश्यकतेनुसार यात बदल होऊ शकतो.

अधिक माहितीसाठी संपर्क

www.krushivikas.org व Email: admin@krushivikas.org

संपर्कासाठी पत्ता: कृषी विकास व ग्रामीण प्रशिक्षण संस्था, बोदवड रोड, संताजी नगर, मलकापूर, ता. मलकापूर, जि. बुलढाणा – ४४३१०१.

नोट –

- सदर काम फक्त साहित्य पुरवठा व डिलिव्हरीचे आहे. कुंपणाची उभारणी लाभार्थी शेतकरी करतील. मात्र पुरवठादाराने कुंपणाची उभारणी झाल्यानंतर मशीन चालू करून प्रात्यक्षिक दाखवणे बंधनकारक आहे.
- साहित्य संस्थेमार्फत प्रकल्प अंमलबजावणी सुरू असलेल्या [तालुका / जिल्हा] येथील गावांमध्ये पोहोचवायचे आहे.
- दरपत्रक या जाहिरातीसोबत दिलेल्या तांत्रिक तपशील, कागदपत्रांची यादी व दरपत्रक नमुन्यानुसारच सादर करावे.
- जाहिरात प्रसिद्ध झाल्यापासून दिनांक **३०/११/२०२६** रोजी सकाळी ११:०० वाजेपर्यंत दरपत्रक ईमेलद्वारे किंवा संस्थेच्या मुख्यालयात प्रत्यक्ष सादर करावे.
- अधिक माहितीसाठी संपर्क प्रतिनिधी: १. कुंदन राणे, मोबाईल क्रमांक - ८२०८६९५३९८
- कोणतेही किंवा सर्व दरपत्रक कोणतेही कारण न देता स्वीकारण्याचा / नाकारण्याचा अधिकार संस्थेने राखून ठेवला आहे.
- संस्थेद्वारे निर्धारित केलेल्या अटी व शर्ती लागू.

कृषी विकास व ग्रामीण प्रशिक्षण संस्था, मलकापूर करिता

Krushi Vikas Va Gramin Prashikshan Sanstha
Reg.No. MAH/2410 Buldana.

(स्वाक्षरी व शिक्का)

(अमितकुमार नाफडे)
मुख्य कार्यकारी अधिकारी

Tender Notice

Date: 16/11/2026

Invitation of Quotations for Supply of Solar-Powered Electric Fence (Solar Zatka) Systems for Crop Protection Demonstration

Krushi Vikas Va Gramin Prashikshan Sanstha, Malkapur invites quotations from eligible manufacturers / authorised dealers for the supply of solar zatka machines and related materials for crop-protection demonstrations on farm plots of approximately 1 acre each (300 m perimeter, four strands).

Items to be supplied (per set): Solar fence energizer (min. 8 kV, conforming to IS 302 / IEC 60335-2-76) – 1 No.; Solar PV module (min. 40 Wp) – 1 No.; 12 V, min. 20 Ah deep-cycle battery – 1 No.; Solar charge controller (integrated acceptable) – 1 No.; FRP rods 4 ft × 10–12 mm – 60 Nos.; Conductive polywire – 1,200 m; Insulators / wire holders – min. 260 Nos.; Earthing kit, lead-out cable, gate handle set, warning signboards (4 Nos.), panel mounting and battery enclosure.

Total sets required: Minimum 200 sets (the number may change as per requirement)

Contact for More Information

www.krushivikas.org and Email: admin@krushivikas.org

Address for Contact: Krushi Vikas Va Gramin Prashikshan Sanstha, Bodwad Road, Santaji Nagar, Malkapur, Ta. Malkapur, Dist. Buldhana – 443101

Note:

1. The scope is supply and delivery of materials only. Installation and erection will be done by the beneficiary farmer. However, after the fence has been erected, the supplier must switch on the machine and give a working demonstration; this is mandatory.
2. Materials are to be delivered to project villages of the organisation in [Taluka / District], Maharashtra.
3. Quotations must be submitted strictly as per the attached technical specification, document checklist and price bid format.
4. Quotations should be submitted by e-mail or in person at the head office of the organisation from the date of publication of this notice up to 30/11/2026, 11:00 AM.
5. Contact representatives for more information: Shri Anup Naphade, Mobile No. 8668623567
6. The organisation reserves the right to accept or reject any or all quotations without assigning any reason.
7. Terms and conditions set by the organisation apply.

For Krushi Vikas Va Gramin Prashikshan Sanstha, Malkapur

Krushi Vikas Va Gramin Prashikshan Sanstha
Reg.No. MAH/2410 Buldana.

(Signature and Stamp)

(Amitkumar Naphade)
Chief Executive Officer

Tender Notice

Date: 16/11/2026

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Contact for More Information

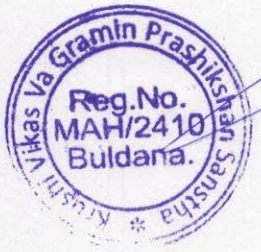
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4. Quotations should be submitted by e-mail or in person at the head office of the organisation from the date of publication of this notice up to 30/11/2026, 11:00 AM.
5. Contact representatives for more information: Shri Kundan Rane, Mobile No. 8208695398
6. The organisation reserves the right to accept or reject any or all quotations without assigning any reason.
7. Terms and conditions set by the organisation apply.

For Krushi Vikas Va Gramin Prashikshan Sanstha, Malkapur



(Signature and Stamp)

(Amitkumar Naphade)
Chief Executive Officer

Annexure 1 – Technical Specifications and Bill of Quantities (per set)

One set protects a 1-acre field with a 300 m perimeter and four live strands. Wire = 300 m × 4 strands = 1,200 m; posts at about 5 m spacing = 60; holders = 60 rods × 4 = 240, plus extras for corners, ends and gate = minimum 260. The final perimeter will be measured before the supply order is issued.

Sr.	Item	Minimum technical specification	Qty.
1	Solar electric fence energizer (Zatka machine)	Purpose-built, solar-compatible, non-lethal pulsed energizer compliant with IS 302 / IEC 60335-2-76 (current adopted version). Open-circuit peak voltage min. 8 kV; output energy about 0.5–1.0 J per pulse, with stored and maximum output energy declared. Suitable for 300 m, four-strand fence. Short-circuit, reverse-polarity and battery protection. Bidder to give make, model, datasheet and maximum rated fence length/load.	1 No.
2	Solar PV module	Crystalline silicon, min. 40 Wp, for 12 V battery charging. Weatherproof junction box, UV-resistant cables/connectors. Bidder to state Voc, Vmp, Isc, Imp. Mounting bracket and fasteners included.	1 No.
3	Rechargeable battery	12 V, min. 20 Ah, deep-cycle / solar-duty, maintenance-free sealed (VRLA/AGM or equivalent). Terminals and protection included. Bidder to state chemistry, capacity and cycle life. Lithium allowed only with compatible BMS and charger.	1 No.
4	Solar charge controller	Compatible with module, battery and energizer; protection against overcharge, deep discharge and reverse polarity. Integrated controller acceptable.	1 No. / integrated
5	FRP fencing rods	Pultruded, UV-stabilised fibreglass, 4 ft (about 1.2 m) long, 10–12 mm dia. Straight, free from cracks, delamination and sharp edges, with insulated multi-position holders or provision for them.	60 Nos.
6	Conductive polywire	Purpose-made UV-stabilised electric-fence polywire (not nylon rope). Min. 6 conductive filaments (stainless steel and/or tinned copper), tensile strength min. 90 kgf, resistance max. 15 ohm/m.	1,200 m
7	Insulators / wire holders	UV-resistant, weatherproof, non-cracking, compatible with rods and polywire; no leakage or tracking. Four per rod plus extras for corners/ends.	260 Nos. min.

Sr.	Item	Minimum technical specification	Qty.
8	Earthing kit	Min. two galvanised steel earth rods, about 1 m long, min. 12 mm dia., with clamps and interconnecting cable. Extra rods to be specified if soil requires.	1 Set
9	Lead-out and earth cable	Purpose-rated insulated high-voltage cable for energizer-to-fence and earth connection. Domestic wire not accepted.	1 Lot
10	Gate handle and connectors	Insulated, UV-resistant gate handle with spring/connector and insulated gate anchors.	1 Set
11	Warning signboards	Weatherproof boards reading "ELECTRIC FENCE – DANGER" ("विद्युत कुंपण – धोका") with symbol and fixing holes, in English and Marathi.	4 Nos.
12	Panel mounting and battery enclosure	Corrosion-resistant panel bracket; weather-resistant, ventilated, lockable battery and energizer enclosure with cable entry protection.	1 Set

System performance and compatibility

- Energizer, panel, battery and controller shall be supplied as a matched system; the bidder shall certify compatibility.
- 40 Wp and 12 V/20 Ah are minimum figures. If the energizer's consumption needs more, the bidder must quote the adequate configuration and justify it.
- The bidder shall state backup without sun (target 24–48 hours) with a calculation from energizer consumption and usable battery capacity.
- Higher voltage or energy alone will not be treated as better performance.
- A fence-voltage tester, if offered, shall be quoted as a separate line item.

Safety and regulatory requirements

- Only a purpose-built, compliant, non-lethal pulsed energizer will be accepted. Mains connection or improvised shock circuits are strictly prohibited.
- The bidder shall submit a valid IS 302 / IEC 60335-2-76 test report, conformity certificate or manufacturer declaration.
- The energizer shall not be modified to increase pulse energy or defeat safety controls.
- The supplier shall provide installation instructions, wiring diagram, safety instructions and an operation and maintenance manual, preferably in Marathi.

Annexure 2 – Terms and Conditions

1. **Eligibility:** Manufacturers or authorised dealers/distributors of solar electric fence systems. Dealers shall enclose the manufacturer's authorisation letter.

2. **Scope:** Supply and delivery of all items in Annexure 1 to the designated project location, submission of technical and warranty documents, and a working demonstration of the energizer after the fence has been erected by the beneficiary farmer (mandatory). Installation, erection, wire stringing, earthing and maintenance are not in the vendor's scope; no installation charge shall be quoted.
3. **Submission:** Quotation in the format at Annexure 4, signed and stamped on the firm's letterhead, with all documents in Annexure 3 self-attested. Incomplete quotations may be rejected.
4. **Rates:** Item-wise rates in Indian Rupees, showing GST and freight/delivery separately. Rates shall remain firm until completion of supply.
5. **Validity:** Quotation shall be valid for at least 90 days from the last date of submission.
6. **Evaluation:** Quotations will first be checked for technical compliance. The order will be placed with the lowest-priced technically compliant bidder (L1) on the total set price. The organisation may negotiate with L1.
7. **Quantity:** The organisation may increase or decrease the number of sets at the same unit rates, based on project requirement and final field measurement.
8. **Delivery period:** Within [....] days from the date of purchase order, at the location(s) stated in the order.
9. **Inspection and acceptance:** All materials shall be new, genuine and defect-free. Quantities, dimensions, model numbers and specifications will be verified on delivery. The organisation may ask for samples of FRP rods, polywire and insulators before bulk supply. Final acceptance follows satisfactory inspection, a working demonstration of the energizer after fence erection and receipt of all documents.
10. **Rejection:** Damaged, defective or non-conforming items shall be replaced by the vendor at no extra cost within [....] days.
11. **Warranty:** Minimum 12 months from delivery for energizer, panel, battery and controller (or longer manufacturer warranty). Separate warranty periods for FRP rods, polywire and accessories shall be stated, with service contact and replacement procedure.
12. **Payment:** 100% payment within [....] days after delivery, acceptance and receipt of a valid GST tax invoice, by bank transfer only. No advance payment.
13. **Taxes and deductions:** Tax will be deducted at source wherever applicable under the Income-tax law and GST law in force.
14. **Delay:** For delay beyond the agreed delivery period, the organisation may deduct [0.5]% of the order value per week of delay, up to a maximum of [5]%, or cancel the order.
15. **Conflict of interest:** Bidders shall declare any relationship with the organisation's trustees, office bearers or staff. Non-disclosure will lead to disqualification.
16. **Right to reject:** The organisation may accept or reject any or all quotations, or cancel this process, without assigning any reason.
17. **Jurisdiction:** All disputes are subject to the jurisdiction of courts at Malkapur, Dist. Buldhana only.

Annexure 3 – List of Documents Required from Vendor

Name of Supplier: .....

Address: .....

Phone and e-mail: .....

Sr. No.	Name of document	Enclosed (Yes/No)
1	Certificate of registration of firm / shop establishment / Udyam	
2	PAN card	
3	GST registration certificate / No-GST declaration	
4	Bank passbook copy / cancelled cheque	
5	Manufacturer's authorisation letter (for dealers)	
6	Energizer datasheet: make, model, stored energy, output energy, peak voltage, pulse characteristics, rated fence length	
7	IS 302 / IEC 60335-2-76 test report / conformity certificate / manufacturer declaration	
8	Solar panel datasheet (Wp, Voc, Vmp, Isc, Imp)	
9	Battery datasheet (chemistry, voltage, Ah, cycle life, warranty)	
10	Charge controller rating and protection features	
11	FRP rod specification (length, diameter, material, UV resistance)	
12	Polywire specification (conductor material, filaments, ohm/m, breaking load, UV suitability)	
13	Battery backup calculation (hours without sun)	
14	Warranty terms and after-sales service contact for each major component	
15	Work orders / supply orders / completion certificates for similar supplies	
16	Delivery lead time and stock availability confirmation	
17	Signed vendor declaration and conflict-of-interest declaration	

Note: All enclosed documents must be self-attested.

Signature of Supplier: ..... Seal:

Annexure 4 – Price Bid Format (per set; to be filled by bidder on letterhead)

Sr.	Item	Make / Model	Qty.	Unit rate (₹)	Amount (₹)
1	Solar fence energizer (Zatka machine)		1 No.		
2	Solar PV module, min. 40 Wp		1 No.		
3	Battery, 12 V, min. 20 Ah		1 No.		
4	Charge controller (if separate)		1 No.		
5	FRP rods, 4 ft × 10–12 mm		60 Nos.		
6	Conductive polywire		1,200 m		
7	Insulators / wire holders		260 Nos.		
8	Earthing kit		1 Set		
9	Lead-out / earth cable		1 Lot		
10	Gate handle and connectors		1 Set		
11	Warning signboards		4 Nos.		
12	Panel mounting and battery enclosure		1 Set		
13	Fence-voltage tester (optional)		1 No.		
	Subtotal (A)				
	GST (B)				
	Freight and delivery (C)				
	Total per set (A+B+C)				

Total per set in words: Rupees ..... only

Number of sets: 200 (minimum; subject to change) Grand total for all sets: ₹ .....

Delivery period: ..... days from purchase order Quotation validity: ..... days

Vendor Declaration

We confirm that the materials offered comply with the technical specifications in Annexure 1 and that the product details and documents submitted are true. We understand that our scope is limited to supply, delivery and a working demonstration of the energizer after the fence has been erected, and that field installation will be done by the beneficiary farmer. We accept all terms and conditions in Annexure 2. We declare that no proprietor, partner or director of our firm is related to any trustee,

office bearer or employee of Krushi Vikas Va Gramin Prashikshan Sanstha, except as disclosed here: .....

Name of firm: .....

Authorised signatory: ..... Designation: .....

Date: ..... Signature and seal: .....