



## BIDHAN CHANDRA KRISHI VISWAVIDYALAYA

RKVY-Cafeteria project on "Fabrication, demonstration and espousal of solar prototype fruit ripening chamber for carbide free, quality fruits and consumers' health safety" (Pr. Code: 12126)

Dharampur, Vill-Palasi, P.O.- Majhipara, P.S.- Bizpur  
Dist- North 24 Parganas, West Bengal, Pin-743145

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### NOTICE INVITING e-TENDER

Tender ID: 2022\_BCKV\_398749\_1, dt. 26/08/2022

Principal Investigator of the RKVY-Cafeteria project on "Fabrication, demonstration and espousal of solar prototype fruit ripening chamber for carbide free, quality fruits and consumers' health safety" (Pr. Code: 12126) is inviting e-tenders from competent and *bonafide* manufacturers / vendors / parties / distributors / dealers / agents having registration of GST for supply of components, fabrication, assembling, installation, delivery, demonstration, after service in respect of setting up of solar prototype fruit ripening system of the above mentioned project, being implemented under the Directorate of Research, BCKV, Mohanpur, Nadia and located at RIDF-XXIII (FBMC), BCKV, Dharampur, Vill-Palasi, P.O.- Majhipara, P.S.- Bizpur, Dist- North 24 Parganas within 21 days (up to 5.00 pm) from the date of publication, as per specifications appended below.

**Supply of components, fabrication, assembling, installation, delivery, demonstration, after service in respect of solar prototype fruit ripening system**

Sl. No.	Item	Qty.
(1)	(2)	(3)
1	<b>Components to be supplied</b>	
1.01	GI angle (25x25x3 mm)	2700 kg
1.02	GI flat bar (25x25x3 mm)	1080 kg
1.03	Zinc coated copper coil (3/8", 20 Swg)	1080 ft
1.04	HDPE non-transparent sheet (200 gsm)	800 m <sup>2</sup>
1.05	Polycrystalline solar panel (165 watt, 12 V)	108 Nos.
1.06	Charge controller (20 W, 12 V)	108 Nos.
1.07	Inverter (200 W, 220 V AC)	108 Nos.
1.08	Solar battery (75 AH, 12 V)	108 Nos.
1.09	Honey comb evaporator type cooling tower (N.A.)	108 Nos.
1.10	Earthen pot (Size: 10-15 litre)	108 Nos.



(1)	(2)	(3)
1.11	Submersible pump (18 W, 220 V AC)	108 Nos.
1.12	Dual temperature and relative humidity meter with digital display	108 Nos.
1.13	Water temperature meter with display	108 Nos.
1.14	Controller for circulating water	108 Nos.
1.15	Control panel for accommodating controllers, display, switches.	108 Nos.
1.16	Dual power (solar & electric) line (220V AC, 12V DC)	108 Nos.
1.17	Wire (1.5 m <sup>2</sup> , single core)	1296 m
1.18	Cable (3 core, main cord)	216 m
1.19	Plugs (5 amp, 3-pin top)	108 Nos.
1.20	Lights (5 W, LED)	108 Nos.
1.21	Heater (50W, submersible)	108 Nos.
1.22	Pipe (3/2 inch dia, polythene)	1080 m
1.23	Nuts & bolts (1/4 inch dia X 3/4 inch L GI, standard)	54 kg
1.24	Mini Fan (6" dia, 220 V AC)	216 Nos.
1.25	Plastic crates (perforated), Size: 60x40x30 cm	432 Nos.
1.26	Portable ethylene gas detector machine with plug-in sensor and LCD display; detection range 0-300 ppm C <sub>2</sub> H <sub>4</sub> with accuracy $\pm 2\%$ (max.), calibration, warranty (min. 1 year) & on-site after service (one within 6 months).	01 No.
<b>2</b>	<b>Cost of fabrication of metal structures &amp; HDPE cover</b>	
2.01	Metal frame, size: L 1.55m x H 1.1m x D 0.95m (1.62 m <sup>3</sup> ) and made from 25x25x3 mm GI angle and 25x3mm GI flat bar and dismantlable (joined with nuts & bolts)	108 Nos.
2.02	Metal stool, size: 42x30x20 cm made from 25x25x3 mm GI angle	108 Nos.
2.03	Metal tower (for cooling unit), size: 42x30x20 cm made from 25x25x3 mm GI angle	108 Nos.
2.04	Metal stand (for solar panel)	108 Nos.
2.05	Metal stand (for solar battery), size: 42x30x20 cm made from 25x25x3 mm GI angle	108 Nos.
2.06	Metal control panel (for electrical control system), size: 42x30x20 cm made from 25x25x3 mm GI angle	108 Nos.
2.07	Polythene cover, size: L 1.55m x H 1.1m x D 0.95m (1.62 m <sup>3</sup> ) and made from 200 gsm HDPE non-transparent sheet, openable at two sides (with velco sealing) and cotton frills bottom stitches at 4 sides to prevent gas leakage.	108 Nos.



(1)	(2)	(3)
3	<b>Cost of assembling and installation (as per design of BCKV)</b>	
3.01	To assemble metal structure, HDPE cover, metal stool, tower, stand and control panel, honey comb evaporator type cooling tower, forced air circulation system, fan coil unit and to install solar panel, controller, inverter, battery & connections, fan coil unit, temperature & humidity sensors and display, electric controller, switches, dual power line (solar & electric). To install solar panel, controller, inverter, battery & connections, fan coil unit, temperature & humidity sensors and display, electric controller, switches, dual power line (solar & electric)	108 Nos.
4	<b>Charges for packing, delivery, demonstration, after service, including wages of workshop labour.</b>	108 Nos.

#### Terms and Conditions:

- Quoted price should be included of the costs of GST, accessories and all other charges (delivery, installation, demonstration, etc.), if any. It should be in INR (No provision of foreign currency transaction).
- Technical and financial bids to be submitted separately.
- The bids should be prepared and submitted with validity period of minimum 6 (six) months.
- The bidders must stipulate the delivery period of the same within 60 days from date of issuing supply orders and to specified place of delivery at office of working days.
- Any deviation from required specifications and standards will be treated as cancellation of bids at any stage and also cancellation of supply order, even after delivery, without further communication/clarification and no claim will be entertained thereof.
- Written commitment or document must be submitted with tender for warranty, as applicable.
- Earnest Money Rs. 50,000.00 will be deposited to the process of RTGS / NEFT transaction by e-Banking System. To avail the system, the Bidders shall login to the e-Procurement Portal of the Govt. of West Bengal, <https://wbtenders.gov.in> by using his login ID and Password.
- Work order/supply order/purchase order and payment is subject to fund availability from the funding authority.
- Challan and bill should be submitted in triplicate and bank account details (Name, A/C No., IFSC & MICR codes) of the beneficiary to be mentioned in bill.
- Bill will be processed after delivery, installation and successful demonstration.
- Supporting documents (as may be applicable): (a) GST registration, (b) Current P/Tax challan; (c) 2 years IT return (current financial year to be considered), (d) PAN and other statutory documents, if any; (e) Company details; (f) Credential; (g) Scanned copy (self attested) of the original supporting document in favour of the specification.
- The Viswavidyalaya reserves the right to accept or reject any tender without showing reason.
- Decision of the University authority shall be treated as final and binding.

Thank you,



(SANJIT DEBNATH)