



KERALA STATE EX-SERVICEMEN DEVELOPMENT AND REHABILITATION CORPORATION

(KEXCON - A Govt. of Kerala Undertaking)

CIN - U 91990 KL 2001 NPL 015107

GSTIN - 32AABTK2648H1ZT

TC 25 / 838,
Opp. Amritha Hotel, Thycaud
Thiruvananthapuram - 695 014

Telo : 0471 - 2320772
0471 - 2320771
0471 - 2332558
FAX : 0471 - 2320003
e-mail : kex_con@yahoo.co.in

501(2)/Proj/Solar/KEXCON

20-12-2023

TENDER NOTICE


Item rate limited tenders are invited from the KEXCON empanelled agencies for the following work through online bid (two cover system) through KEXCON Kerala, Website <http://www.kexcon.in>

Ser No	Name of Work	Time for Completion
1.	Supply of 8 KW On-grid Hybrid Solar Power Generating System at Karalmanna Ksheera Vyavasaya Sahakarana Sangham <ul style="list-style-type: none">Gautam mono PERC half cut cell solar panels 540wP - 15 Nos.8 KW/48V HYBRID on grid solar inverter grid export with wi fi (pure Hybrid)-UTI/DEYE Inverter – 3 PhaseAll Electrical Accessories with Cable and Earthing Materials	20 Days

The bidder shall quote the unit rate for each item alongwith applicable taxes in the format given below :-

Tender Type : Limited
Bid Submission Start Date : 20-12-2023
Bid Submission End Date : 28-12-2023
Bid Opening Date : 29-12-2023
Cost of Tender Documents : Rs. 1500/-
EMD : NA




Manu. S.P
Administrative Officer
(Deputy Secretary to Govt.)
Kerala State Ex-Servicemen
Development and Rehabilitation Corporation
Thycaud, Thiruvananthapuram
PEN No: 100843



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QUOTATION NOTICE FOR SOLAR PANEL MOUNTING STRUCTURAL WORK INCLUDING LADDER FACILITY AT KARALMANNA KSHEERA VYVASAYA SANGHAM

Attention of the empanelled agencies are invited to the list of works furnished below and they are requested to visit the site and quote competitive rates in the format given below adhering to the time limit specified in the Tender Notice:-

Ser No	Description of Work	Qty (As per Anert Specification)	Unit	Amount
Solar Panel Roof Mounting Structure				
1.	80 mmx40mm 16 Gauge 6 meter long GI Rectangle Tube	-	Nos	Specifications for structural molding components as per technical components sheet attached
2.	40 mm 16 Gauge 6 meter long GI Square tube	-	Nos	
3.	80mm Wash	-	Nos	
4.	125mm Square plate with 4 hole	-	Nos	
5.	8mm Anchor bolt	-	Nos	
6.	Welding Rod	-	Pkt	
7.	100 mm Cutting Wheel	-	Nos	
8.	Mid Clamp & End Clamp	-	Nos	
9.	25mm size self screw	-	Nos	
10.	Painting	-		
11.	Labour Charge			
12.	Transportation			

Terms & Conditions: GST to be included

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SYSTEM COMPONENTS - TECHNICAL COMPLIANCE FOR SYSTEM COMPONENTS

S/N	System Component	Capacity/ rating	Minimum Technical Compliance
1.	Solar panel (MONO PERC Half cut of capacity 500 Wp or above) Gautam	As per the required capacity	IS 14286 - Design Qualification and Type Approval for Crystalline Silicon Terrestrial Photovoltaic (PV) Modules IEC/IS 61730: Part I & II;
2.	Grid Tied Inverter (Min DC to AC ratio of 1.2 to be maintained at all sites),UTI	As per the required capacity	IS 16221: Part 1 & 2 - Safety of Power Converters for use in Photovoltaic Power Systems IS 16169 - Test Procedure of Islanding Prevention Measures for Utility-Interconnected Photovoltaic Inverters
3.	Module Mounting Structure	As per the required capacity	IS 2062 - Hot Rolled Medium and High Tensile structural Steel IS 4759 - Hot-dip Zinc Coatings on structural steel and other products
4.	Cables	As required	IEC 60227 / IS 694 IEC 60502 / IS 1554 (Pt. I & II)
5.	Switches/ Circuit Breakers	As required	IEC 60947 part I, II, III / IS 60947 Part I, II, III
6.	Connectors		EN 50521
7.	Surge Protection Device		IEC 60364-5-53 / IS 15086-5
8.	Junction Boxes/Enclosures for Inverters/ Charge Controllers	As required	IP 54 (for outdoor) or IP 65 / IP 21(for indoor) as per IEC 529
9.	Energy Meter for Recording Solar Electricity Generated & Two-way meter for Distribution Licensee grid connection		As per CEA Regulations; IEC 60687/ IEC 62052-11 / IEC 62053-22 / IS 14697
10.	Lightning Protection	As required	As per IEC 62305 / IEC 62561
11.	Electrical Grounding (Earthing)	As required	As per IS 3043



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