



Energy Management Centre - Kerala
Sreekrishna Nagar, Sreekaryam.P.O, Thiruvananthapuram,
Kerala - 695 017
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Tender no: EMC/SHP/2019-20/G3/T-01

Notice inviting tenders

Sealed tenders are invited from reputed contractors, for Civil Works of Solar Car Parking Shelter, at the campus of Energy Management Centre, Sreekrishna Nagar, Sreekariyam. The documents can be downloaded from the EMC website www.keralaenergy.gov.in from 10-07-2019, 13.00hrs to 22-07-2019, 12.00hrs. The cost of tender document shall be submitted as separate DD along with the submission of Bid. Bids without DD for tender cost will be treated incomplete tender and will not be considered for further evaluation.

Thiruvananthapuram

Director

10.07.2019

Contractor

Director EMC

FORM OF TENDER

(To be submitted in Kerala State stamp paper worth Rs. 200/-)

From

To

DIRECTOR
Energy Management Centre -
Kerala Sreekrishna Nagar,
Sreekariyam. P.O,
Thiruvananthapuram,
Kerala - 695 017

Sir,

Having examined the specifications and tender schedule, schedule of work and having acquired the requisite information relating to the tender in all respects, I/We _____ hereby offer to execute the work as specified in this tender at the rates mentioned in the schedule of work attached in accordance with the specifications, conditions of the tender, the articles of the agreements and such other materials as may be prescribed from time to time.

Should this tender for be accepted, I/We hereby agree to abide by and fulfil the terms and provisions of the said conditions of contract annexed hereto so far as they may be applicable or in default thereof to forfeit the E.M.D. and pay the Energy Management Centre - Kerala, the amount mentioned in

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the said conditions.

I/we have deposited a sum Rs./- (Rupeesonly) as EMD in the form of crossed demand draft in favour of the Director, Energy Management Centre - Kerala, payable at Thiruvananthapuram. Should I/we fail to execute the agreement when called upon to do so, or to commence work as provided in the conditions, I/we do hereby agree that the Energy Management Centre - Kerala shall without prejudice to any right or remedy be at liberty to forfeit the EMD absolutely and also recover from me /us the entire loss that may be caused to the Energy Management Centre - Kerala by retender arrangement of the work otherwise, under the provisions of Revenue Recovery Act or otherwise.

I/we agree that arbitration shall not be a means of settlement of any dispute or claim arising out of this contract.

Signature of the tenderer

Full Name and address:

Details of EMD:

DD No _____ dt- _____ for Rs. _____ drawn on _____.

Contractor

Director EMC

ENERGY MANAGEMENT CENTRE-KERALA (EMC)
SREEKARIYAM, THIRUVANANTHAPURAM - 695017

NOTICE INVITING TENDER

For Civil Works of Solar Car Parking Shelter at Energy Management
Centre Green Building Campus

Sealed tenders are invited from reputed manufacturers/authorised dealers/contractors having after sales support for “Civil Works of Solar Car Parking Shelter” at Energy Management Centre Green Building Campus as specified in the tender document.

Tender no	EMC/SHP/2019-20/G3/T01
Name of work	Civil Works of Solar Car Parking Shelter
Scope of work	Supply & erection of Steel structures for solar car parking Shelter as specified the technical specifications and schedule of works of this tender document.
Location	Energy Management Centre, Sreekariyam, Thiruvananthapuram, Kerala.
Cost of tender document	Rs. 500/- plus GST @ 12 % to be paid as DD in favour of Director, EMC along with the submission of tender
Last date and time of receipt of tender	22.07.2019 at 15.00 hrs
Probable Amount of Contract	Rs. 2,00,000/-
EMD	Rs. 5000/- as DD in favour of - Director, Energy Management Centre, payable at Thiruvananthapuram
Period of completion	One calendar month from the date of issue of work order.

Tender documents can be downloaded from EMC website www.keralaenergy.gov.in from 10.07.2019 at 13.00 hrs to 22.07.2019 at 12.00hrs.

The Tenderer shall quote the rates including all taxes and duties, levies

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including freight, insurance during transit and delivery at site. But the successful tenderer shall produce along with the bill proof of payment of all taxes and duties.

Also sales tax and income tax clearance certificate for the last 3 financial years shall be submitted along with the tender.

Further details and clarification if any can be had from The Director, Energy Management Centre (EMC), Thiruvananthapuram, website www.keralaenergy.gov.in. Director, Energy Management Centre reserves the right to accept or reject any or all tenders without assigning any reasons what so ever.

Completed Tender documents shall be submitted to the following address in a sealed cover superscribed "Tender for Civil Works of Solar Car Parking Shelter on or before **3.00 pm, 22.07.2019** and tender opening will be on: **22.07.2019, 4 pm.**

The Director,
Energy Management Centre,
Sreekrishna Nagar, Sreekariyam,
Thiruvananthapuram,
Kerala, 695017

Thiruvananthapuram
10.07.2019

Director,
Energy Management Centre
Sreekrishna Nagar, Sreekariyam,
Thiruvananthapuram, Kerala, PIN-695017

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SECTION -1 - INSTRUCTIONS AND GENERAL CONDITIONS

1. Submission of tender

Tender shall be submitted in sealed covers super scribing the name of the tender as Tender No. EMC/SHP/2019-20/G3/T01 "Civil Works of Solar Car Parking Shelter, at the campus of Energy Management Centre, Sreekrishna Nagar, Sreekariyam, Thiruvananthapuram (hereafter referred as EMC) and shall contain the following.

- A. Complete set of Tender documents as issued by the EMC, together with addenda/corrigenda if any, filled in and signed by the tenderer, with address stamps/seals wherever stipulated.
- B. Earnest money deposit of Rs. 5000/- (Rupees Five Thousand Only) in the form of crossed demand draft drawn in favour of The Director, Director, Energy Management Centre, Thiruvananthapuram payable at Thiruvananthapuram.
- C. The offer shall be valid for a period of 60 days from the date of opening of the tender. Tender not accompanied by Demand Drafts for Cost of tender and E.M.D. shall be rejected as non- responsive.

2. Acceptance / Rejection of tenders

The tenders submitted after the stipulated time of submission shall be rejected. The tenders not submitted in the prescribed forms, not duly signed at the places marked, incomplete/torn off tender forms etc. shall be rejected. The Director, Energy Management Centre, reserves the right to accept or reject any of the tenders without assigning any reasons thereof. Becoming the lowest offered party does not entitle a tender to award the work. Apart from cost, quality of work, durability, track record of the supplier etc. will also be considered for awarding the supply.

3. Place of work and time of completion.

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The scope of the work covered by this tender is limited to Civil Works of Solar Car Parking Shelter, at the campus of Energy Management Centre as per the specifications in BOQ. The works shall be completed within one calendar month from the date of issue of work. Penalty @ 1% per week subjected to a maximum of 10% of the contract amount shall be levied for delay unless ratified for valid reasons.

The work include erection of MS & GI structures of suitable sizes as specified in the technical specifications thickness to suit outdoor of approved quality, conveyance to the site, loading, unloading & transportation charges, and cost & labour charges for erection including cost of welding rods, adhesives, sealants, staging & framework and all other materials and accessories if any as required for the work. EMC will only provide the location ready for the work, free from obstacles.

Time of completion & quality of the works are the essences of this tender. The works covered by this tender shall be completed in all respects within 30 days from the date of award of the work. The tenderer is advised to visit the site before quoting for the work.

4. Guarantee period.

The Civil Works of Solar Car Parking Shelter at the site vide this tender shall be guaranteed for a defect liability for a period of one year from the date of completion of the work. The item shall be guaranteed against usage of inferior quality of materials and poor workmanship. Any defects found during this period shall be rectified/ replaced by the contractor free of charges to the EMC within a reasonable period of 10 days after written notice. If the contractor fails to do so, the EMC shall have the liberty to arrange rectification at the risk & cost of the supplier, and adjusting the expenses from the security deposit for the work.

5. Agreement for the work.

Within 10 days of receipt of the letter of award, the Bidder has to execute an agreement with EMC for the due fulfilment of the contract in the prescribed format, along with a security deposit of 5% of the contract

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value less EMD remitted already. At least 50% of the Security Deposit shall be in the form of Demand Draft, in favour of the Director, Energy Management Centre, payable at Trivandrum and the rest by way of Bank Guarantee from any nationalized bank in the approved format.

The security deposit vide this clause will be released after successful compliance to the tender conditions, and on certification by the Engineer in charge of EMC managing the project.

6. Withdrawals of the offer after it is accepted or failure to arrange the work within a specified time or according to specifications will entail cancellation of the order and work being made at the offers expenses from elsewhere, any loss incurred thereby being payable by the defaulting party. In such an event EMC reserve the right to remove the defaulter's name from the list of EMC's vendors list and to report to the Government for blacklisting the tenderer in Government works permanently or for a specified number of years.

7. The rates quoted shall be firm for a period of 60 days from the date of opening of the tender. Rates offered shall be inclusive of all taxes & duties in force. The quantities mentioned in the schedule of works are tentative, and payments will be made on actual quantities. No claim, whatsoever, will be entertained due to variation of quantities, or any other reasons. No representation for enhancement of price will be considered during the currency of the contract, or after the completion.

8. Any attempt on the part of tenderer or their agents to influence the officers concerned into their favour by personal canvassing will disqualify the tender.

9. Payment terms

a. The payment shall be made in two stages as stipulated below. Invoices for both stages shall be submitted separately on its completion.

b. The Payment of Item No 1-7 under schedule of quantities shall be released after the completion of work and upon certification of engineer in charge.

- c. The Item No 8 under schedule of quantities can be completed only after installation of solar PV modules. The corresponding payment shall be released against completion of this work.
- d. 5% form each bills shall be retained by EMC as retention money; it will be released on successful completion of Guarantee period after adjusting liabilities if any upon certification of Engineer in charge.

10. Commercial.

- Rates quoted shall be inclusive of all taxes, duties and Levis currently in force, and shall be firm during the course of the work. Escalation, on any ground, shall not be considered during the course of work or after the completion.
- Extra items, if found essential during the course of work, shall be executed on mutually agreed rates.
- Quantities mentioned in the schedule of works are approximate. The contractor shall affect the work as per actual site measurements and no claim for variation in rates shall be considered due to variation in quantities.
- Measurement of the work shall be made as per Indian standards, upon acceptance of the work. No wastage will be considered in measurements. Rates offered shall be inclusive of provisions for wastage also.
- Adequate security provisions shall be arranged by the contractor, and EMC shall not have any responsibilities for the safety of men and materials involved in the work during the course of the work. Power, water and amenities to labour shall be in the account of the contractor.
- All the labourers working for the contractor shall be sufficiently insured against accidents at the work site.

SECTION - 2 - TECHNICAL SPECIFICATION

2.1. Scope

Design, Supply, Fabrication, Erection, Installation and testing of Civil Works of Solar Car Parking Shelter at the campus of Energy management centre Green Building involving the following scope of work:

- Steel structural works using MS I sections of size 200 X 100 mm X 6 mm thick, C sections of size 100 X 50 mm X6 mm thick as load bearing member and MS plates of 300 X 300 mm X 10 MM thick as Inter connecting member. 3 set of this identical in nature shall be erected properly in ground with suitable PCC foundation. (See the Drawing of Vertical Structure 2.2.)
- GI Purlin works using Dip Galvanised not galvanised painted Square sections of size 40X40mmX 14 gauge and 25 X25mm X 16 gauge over the vertical load bearing member in suitable intervals capable of mounting solar PV modules of approximate size 1m X 2m.
- Painting of all exposed surface in two coats using outdoor quality synthetic enamel paint of approved brand over prime coat using MRF primer or equivalent.
- Installation of rain water drainage system using PVC pipes and fixtures to drain rain water properly.
- Water proofing of Gaps between solar PV modules after installation of solar PV modules by the contractor entrusted for that work by EMC.

Protection of the materials involved in the system during the work is the sole responsibility of the Contractor until the completed works are taken over by EMC.

As part of tender scope, contractor shall adopt appropriate safety & security measures at site of works by means of implementing proper methodology and arrangements made by the contractor and such methodology is strictly complied by his site team until the completed works are taken over by the Employer. Cladding system shall be neatly maintained by the Contractor to

ensure that the complete system is free from all defects and damages in terms of Materials and workmanship until the completed works is taken over by EMC.

Work site shall be maintained with neat and clean housekeeping by way of clearing the unwanted materials like broken glass if any, Metal panel scrap, packing Materials, damaged fastener, bolts, nuts, screws any other debris regularly and the premises shall be kept clean at all times.

2.2. Drawings

See Annexure 1

SECTION -3 - SCHEDULE OF WORKS

Name of Work: Civil Works of Solar Car Parking Shelter,

Location: At the campus of Energy Management Centre, Sreekrishna Nagar,
Sreekariyam.

Sl No.	Item	Qty	Rate	Amount	GST for whole quantity	Total
1	Excavation works by manual means including getting out and disposal of excavated earth, as directed by engineer in charge.	2 m ³				
2	Providing and laying in position Reinforced cement concrete of specified grade including the cost of centering, Reinforcement and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	1.70 m ³				
3	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required for Pillars (3Nos) and roof support for installing solar panels at top Using I section of size 200 X100 mm X 6 mm thick, C section of 100 mm X 50 mm X 6 mm thick and MS plate of 10 mm thick 300mmX 300mm Size and Plane MS sheet works using 1 mm thick Sheets. The Cost is inclusive of all necessary welding bolting and bending works.	650.00 kg				

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4	Nut and Bolt arrangement Using MS nuts of 19 mm X 50mm with suitable washers	18.00 Nos				
5	Providing and fixing GI Purlins using squire tubes of 40mmX40mmX14 gauge & 25 mmX25mm X16 gauge Dip Galvanized not painted at required intervals all over the Pillar structure to mount solar panels properly	1.00 LS				
6	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade . Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture on steel work	37.00 m ²				
7	PVC piping works for rainwater collection up to a distance of 3 metre from the shed using PVC pipe of suitable diameter and thickness rates are inclusive of all necessary fixtures, joining compounds etc.	1 LS				
8	Water proofing works with rubber beading and suitable adhesive	1.00 LS				
		Total (All inclusive)				
Total in Words (All inclusive)						

Undertaking:

I/we hereby agree to execute the above works at the quoted rates, in accordance with the terms and conditions of the tender. Should I/we fail to execute the agreement, or execute the work after the work is awarded, I/we have no objection in EMC forfeiting the EMD remitted for the work by me/us.

Place:

Signature:

Date:

Name & address of the tenderer:

Contractor

Director EMC

Annexure 1



