

**Empanelment of Mechanical Structural
Designer/Chartered Engineers (individual or
company) for Design & Certification
of Module Mounting Structure (MMS)
for Solar Systems**



**Central Electronics Limited
(A Government of India Enterprise)
4, Industrial Area,
Sahibabad - 201 010 (U.P.)
India**

Applications are invited in the enclosed Performa from Mechanical Structural designer/Chartered Engineers (individual or company) for empanelment with Central Electronics Limited for Design, Drawing& Certification of Module Mounting Structures (MMS) for various Solar Systems.

1. Details on the services to be provided are mentioned in the Scope of work in this document
2. Offer must be submitted at the CEL, Sahibabad office in one sealed envelope marked as "Application for the Empanelment for Design, Drawing& Certification of Module Mounting Structure (MMS) for Solar Systems from Mechanical Structural designer/Chartered Engineers (individual or company). The name and contact details should be on the envelope.
3. The individual or company will be selected as per the evaluation mechanism of this empanelment.
4. The sealed envelope should reach by 19.11.2016 before 1500 hours addressed to

Assistant General Manager (MMD)
Central Electronics Limited
(A Government of India Enterprise)
4, Industrial Area,
Sahibabad - 201 010 (U.P.)
India

5. individual or company may contact for any clarification on the RFE

General Manager (Marketing)
Central Electronics Limited
(A Government of India Enterprise)
4, Industrial Area,
Sahibabad - 201 010 (U.P.)
India
Tel No.: +91-20-2895151/126
E-mail: spv@celsolar.com

6. CEL reserves the right to reject any or all of the responses to this RFE without assigning any reason. CEL takes no responsibility for delay, loss or non-receipt of response to RFE.

Scope of Work

1. The Mechanical Structural designer/Chartered Engineer shall design the PV Module mounting structures, foundations, and piers for various Solar systems.
2. The tentative list of the solar system is as below:

#	Solar System
1	Modules Mounting Structures for Solar Power Plant on roof top or on ground
2	Modules Mounting Structures for Solar water pumping systems as per site conditions
3	Assembly & Installation Drawing for Solar Street Lights
4	Assembly & Installation Drawing for Solar Home Lights
5	Other work like designing of structures for Solar Power Plants/packs as per site conditions
6	Checking/verification of drawings prepared by CEL

1. The design shall be based upon standard industry practice, relevant IS/IEC standards including the requirements of applicable standards, as well as the information/specifications provided by the CEL.
2. Design calculations for foundations and module mounting structures along with drawings and BOQ shall be carried out using STAADpro software or other relevant software for specified wind velocity based upon the written information provided by the CEL.
3. These Engineered design drawings, data, and documents must be approved by a Chartered Engineer and submitted to CEL for acceptance under his/her seal in all the drawings, designs.
4. The designer shall also check/verify drawings designed & prepared by CEL and get the same approved by Chartered Engineer.
5. After submission of all the design & drawings to CEL the firm or individual shall not use or reproduce the same for any other purpose or shall not pass to other agency/individual without written consent of CEL. All the drawings submitted to CEL are the sole property of CEL and without written consent the same shall not be discussed or reproduced in any form to any individual or firm.
6. The empanelled individual/ company may be required to visit various sites for verification of work done i.e. civil work & structure materials & design as per the drawings approved by CEL. Costing for this activity may be indicated separately in the financial offer.

Eligibility for submission of Offers

1. The Mechanical Structural designer/Chartered Engineers(individual or company) should have at least 02 year's experience in designing the structure for Solar system and or Tower applications. Also submit the brief profile of the Chartered Engineer/ Firm with past experience in Solar Industry.
2. The firm must have cumulative turnover of 50 Lakhs in last three years, copy of balance sheets are to be submitted with technical bid. In case of individual minimum 02 such type of work order of value not less than 30,000/- or single work order of more than 50,000/-are to be submitted with technical bid.
3. Valid Chartered Engineer certificate from The Institute of Engineers (India) or from the equivalent certification body must be submitted with technical bid.

Guideline for Submission of Technical and Financial Offers.

Sealed technical and financial bids in separate envelopes are required to be submitted by 02.11.2016. It may be noted that conditional bids are not allowed and would be rejected summarily.

Cover 1: Technical Offer: Super scribe as "Technical Offer for Rate Contract (RC) for Design & Certification of Module Mounting Structure (MMS) for Solar Systems from Chartered Engineer"

Cover 2: Financial Offer: Super scribe as "Financial Offer for Rate Contract (RC) for Design & Certification of Module Mounting Structure (MMS) for Solar Systems from Chartered Engineer"

Typed financial quotation on the letterhead of the Chartered Engineer/firm should be duly signed & stamped by the authorized person of the firm.

Selection Procedure

1. A Committee in CEL will carry out preliminary screening of the applications and will shortlist the Chartered Engineers (individual or company) fulfilling the eligibility requirements as per the technical offer.
2. It is to be noted that the application of Chartered Engineers (individual or company) not submitting offers as per the requirements of Scope of Work will be rejected.
3. The short listed firms will be informed by CEL to be present at CEL office on a particular day and time as decided and their financial offer shall then be opened in front of them.
4. CEL intends to create a panel of 3 individuals/ company. The empanelment shall be at the lowest rates for all jobs.However, the costing for the site visit shall not be included for working out the lowest prices.
5. Selection Committee reserves the right to accept or reject any or all the offers at any time prior to award of contract/order without assigning any reasons and without incurrance of any liability on CEL. CEL also reserves the right to negotiate the

prices with the selected offers to bring down the prices. In case of any issue emerging out of this document, decision of CMD, CEL shall be final.

Price Bid

The price should be Indian rupees and all applicable taxes, if any, should be mentioned separately. A financial quotation should be in the following format:-

#	Activity	Amount in Rs.	Service Tax	Total (inclusive of Taxes)
1	Modules Mounting Structures for Solar Power Plant on roof top or on ground. (4/5/10 Module of 300Wp)			
2	Modules Mounting Structures for Solar water pumping systems as per site conditions. (6/8/10 Module of 300Wp)			
3	Assembly & Installation Drawing for Solar Street Lights			
4	Assembly & Installation Drawing for Solar Home Lights			
5	Other work like designing of structures for Solar Power Plants/packs as per site conditions			
6	Checking/verification of drawings prepared by CEL			
7	Site visits charges			

Note:

1. The size of 300Wp PV Modules is 1965 x 990 x 42 mm.
2. The costing for the site visit shall not be included for working out the lowest prices.