



**Central Electronics Limited
Materials Management Division**

5th January, 2019

CORRIGENDUM-II

Ref: **Tender Notice No. C-2(b)/RC/0700/4540/2018 dated 17.12.2018**

Sub: **Pre-bid Tie-up for Design, Supply, Installation and Commissioning of approx. 768 Nos. of 5 KWp Rooftop Solar PV Power plants (Hybrid Grid Tied with Battery Bank) including 5 years operation and maintenance in J&K State**

In our tender notice/document No. **C-2(b)/RC/0700/4540/2018 dated 17th December, 2018, the following is amended:**

1.	A corrigendum has been published by Directorate of Samagra Shiksha, J & K Dt. 04.01.2019 regarding amendment in bid document (The Amendment in bid document has been attached for your reference)
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All other terms and conditions will remain same.

For CENTRAL ELECTRONICS LIMITED
sd/-
GENERAL MANAGER
MATERIALS MANAGEMENT DIVISION

Corrigendum Notice

Design, Supply, Installation and Commissioning of 5 KWp Rooftop Solar PV Power Plant (Hybrid grid tied with battery bank) including Five (05) years operation & maintenance. Based on various representations and suggestions received during pre-bid meeting following amendments are made in the tender document

Sl.No.	Tender document reference	Page / Clause	Clarification	Remarks
1	Battery bank	Page 56 of 76	1)Whether battery is Tubular Gel VRLA or Tubular LMLA? Since IS- 13369 stands for Tubular LMLA but in tender mentioned Maintenance free Tubular. 2)System voltage is 48V but for 5KW PCU in 48V may not be suggestable better to give 96V. In addition to this the certifications also may not be available for 48V, 5KW PCU	As per NIT
2	8. Tender Prices , 8.1	Page 10 of 76	As discussed in meeting, the sites are over J&K (i.e. Jammu, Srinagar, Leh, etc). it is not possible to install plant in Jammu and Leh at same price. So you are requested to place at least 3 columns.i.e for Jammu, Srinagar and Led also define no of sites for each zone	As per NIT
3	Facilities to be provided by the contractor	Page 46 of 76	As there are many sites over J&K State, it is not possible to clean the modules every fourth night. And cost of cleaning also increase the budget cost of tender. So our suggestion is to make provision that cleaning should be done by Owner of plant/ Schools only.	Scope of supplier
4	IEC standards	Page 59 of 76	Technical specifications of Inverter is not correct. There should be some provision for variation in grid voltage, IEC certifications.	As per NIT

5	Inverter efficiency	Page 58 of 76	Efficiency of inverter should be 90%	AS PER NIT
6	SCOPE OF WORK	Page 4 of 76	Concealed Wiring including the load wiring, Neutral wire (if not available) from the pole to the distribution board is to be done by the vendors	AS PER NIT
7.	Earthing	Page 4 of 76	There is no clarity about availability of proper Earthing in the existing wiring of the school, which is very important for the proper functioning of the system.	As per NIT and IS standards
8.	Battery bank	Page 56 of 76	Battery Bank Capacity should be changed.	AS PER NIT
9.	Tender Document fee is in the form of CDR.	Page 1 of 76	Options like DD, TDR or online payment to be provided	DD is acceptable
10.	Scope of work	Page 4 of 76	Annexure No H is not available in entire tender document	To be provided later
11.	The scope of the work shall include:Electrical wiring	Page 4 of 76	Better to provide the length of the cables or distance of the loads	As per NIT
12.	Eligibility criteria	Page 12 of 76	BIS Certification for the product is also to be considered	BIS as per MNRE guidelines. Solar Panels used to be Made in India
13.	ELIGIBILITY CRITERIA. XIII	Page 13 of 76	MNRE approved laboratory certification is not available for most of the suppliers. It is recommended to incorporate NABL / Any GOI accredited/Approved laboratory	IEC certificates from any International IEC accredited lab/NABL/GOI lab approved is accepted. IEC certifications as per NIT. Self-certification for BIS as per MNRE guidelines.
14.	Payment	Page 35 of 76	30% payment Rules to be specified	Against Bank Guarantee
15.	Solar hybrid inverter	Page 58 of 76	Need to get the deviation as 230VAC (-20%, +15%)	As per NIT

16.	Functional requirements	Page 61 of 76	Approximately How many sites will be the ground mount?	As per site condition after survey
17.	Earthing Protection	Page 62 of 76	No of earths pits, Earthing drawing, LA type and drawings are to be mentioned in tender if possible	As per IS standards
18.	SAFETY MEASURES	Page 62 of 76	Whose scope of control room? Is it from end user?	Control room will be at the school where battery and inverter is installed
19.	Eligibility criteria		Cost of Tender Documents& EMD, As per MSME it is Free	No exemption on Tender Fees & EMD
20.	Time of Completion	Page 1 of 76	120 days after issuance of Work Order	Please consider 180 days