INDIAN INSTITUTE OF TECHNOLOGY: DELHI
HAUZ KHAS, NEW DELHI – 16

विभाग / Dept.:- निर्माण / WORKS
संदर्भ संख्या / Ref. No. 20..12/WOR/2472
दिनांक / Date : 29/6/2012

Sub: Minutes of the Prebid meeting

Name of work: S/I/T/C of 1MWp Solar PV Generation Station complete with PV modules, Inverters, charge controller and other accessories consisting of Sub-Stations rated from 25KWp to 100KWp.

Sub-Head: Procurement of 1MWp Solar PV Generation Station with PV modules, inverter, charge controller & other accessories consisting of Sub-Stations rated from 25KWp to 100KWp.

NIQ No. IITD/DW/24(E)/E.E.(E)/2012/96 Dated: 14.03.2012

Prebid meeting held on 21.05.2012 at 11:00 AM in the office of Chairman, E&W.

Following were present.

IIT Delhi	**Bidders**
1. Chairman, (E&W)	1. M/s. Tata BP Solar India Ltd.
2. Vice Chairman, (E&W)	2. M/s. Lanco Solar Energy Pvt. Ltd.
3. Prof. A.K. Jain	3. M/s. Vikarm Solar Pvt. Ltd.
4. Executive Engineer,(E)	4. M/s. Moser Baer Solar Ltd.

Prof. Viresh Dutta, ~~Prof. A.K. Jain~~, D.R. (A/cs), and AR(Store) could not attend the meeting, due to preoccupation.

Following points were clarified to the bidders.

1. **Maximum permissible loading on the roof tops:-**

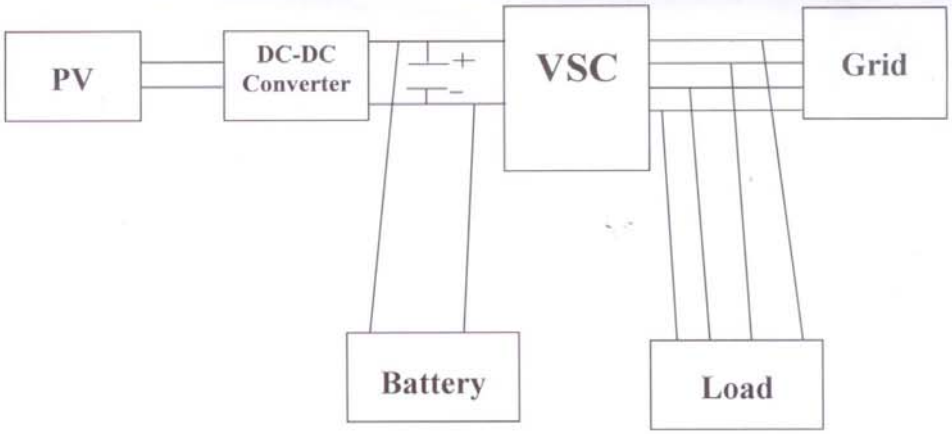
   It was apprised that maximum permissible loading is 100 Kg/m^2 and bidders shall design the structures accordingly. The design shall be approved by the IIT Delhi.

2. **Capacity of Battery Back up :-**

   The Capacity of battery back up shall be 50KWHr for a 10 KWp solar PV Generating Station.

3. **Design Concept:-**

   Basic design concept of the system was explained to all present bidders & shall be as depicted below:-



4. **Minimum Power Generation Guarantee:-**
   Minimum power generation guarantee shall be assessed for PV System without battery back-up.

5. **Efficiency of the inverter:-** 95% Gd.
   Efficiency of the inverter shall be more than ~~90%~~ . Higher efficiency shall be given more weightage which will be decided by the PFC.
6. **Galvanization:-**
   Galvanization of steel/ MS shall not be less than 120 microns.

7. **Date of submission of bids:-**
   Date of submission of bids (Technical + Financial bid) shall be 20/7/12 upto 3:00PM in the office of the Executive Engineer (Elect.) Room No. AD-118, Multistory Building IIT Delhi.

Following points have been raised by M/s. Lanco Solar Energy Pvt. Ltd., the clarification to the points in as under:-

Page No.	Paragraph	Point Raised	Reply
4.	Site Location	1. Whether each of the rooftop will be 100 KWP. 2. Total how many rooftops are there 3. Whether each rooftop installation is a separate system.	1. Each rooftop will have different capacity Solar PV generation stations. The location and capacity of each Solar PV generation station has been supplied to the bidders. 2. List has been supplied to the bidders. 3. Yes, each rooftop installation is a separate system.
5.	Battery Bank	1. What is the load? 2. How much backup duration?	Capacity of battery shall be 50KWHr for a 10KWp solar PV system

10	Technical Bid	1. Battery configuration, calculation, voltage, Ampere hour.	As clarified above
17.	PV Module Approved make	1. Can only Indigenous Module Make be considered?	Makes specified in the NIQ are only acceptable
20	PCU	1. Efficiency not less than 97& to be changed.	As above
22.	Inverter Make	1. Most of the mentioned vendors are only providing Grid connected type Inverter.	Makes specified in the NIQ are only acceptable.
24.	Generation Guarantee	1. Generation Guarantee will not be possible in off grid system.	Generation guarantee shall be for Solar PV system only.
25.	Cleaning	1. Who will provide the water source	Water shall be supplied free of cost by IIT Delhi. to a certain limit
25.	LT panel & ACDB	1. The mentioned arrangement of supply needs to be discussed	Discussed & shown to bidders during site visit.
26.	Battery bank	1. No capacity mentioned	As mentioned above.
28.	Structural Steel Specs	1. What to consider? 80 micron (Page 28) or 70 micron (Page 18)	It is not less than 120 microns.

Following points have been raised by M/s. Vikarm Solar Pvt. Ltd. the clarification to the points in as under:-

Page No.	Point Raised	Reply
1.	Battery Bank Capacity	As Clarified above
2.	PCU rating	PCU rating / capacity is to be designed & supplied by the bidder, Same shall be approved by the IIT Delhi.

1. Chairman, (E&W) **2. Vice Chairman, (E&W)**

3. Prof. A.K. Jain 4. **Executive Engineer,(E)**

Distribution:

1. Prof. Bhim Singh
2. Prof. Viresh Dutta
3. Prof. A.K. Jain
4. DR (Accts.)
5. AR(Stores)
6. Executive Engineer (Elect.)

Copy to:

1. Ch. (E&W)
2. I.E