

# Minutes of Meeting

**Subject:** Solarization of Schools in Merged Area AIP 528

**Agenda:** Pre- Bid Meeting for Pre- Qualification of Contractors.

**Venue/ Date:** PEDO regional office university Town Peshawar/ 18<sup>th</sup> June, 2021

## **Representative of Client:**

- |                                   |                                  |
|-----------------------------------|----------------------------------|
| 1. Engr. Khurram Shehzad Durrani, | Project Director (Solar).        |
| 2. Engr. Asfand Yar khan,         | Assistant Director (Electrical). |
| 3. Engr. Nouman Dad Khan          | Assistant Director (Electrical)  |
| 4. Engr. Ajmal Khattak            | Assistant Director (Electrical)  |

## **Representative from Intending Firms:**

1. M/S Philanth Rode construction Pvt Ltd
2. M/S NRTC
3. M/S MGH Engg
4. M/S Khyber Electric Lamp Pvt Ltd
5. M/S Catkin Engg
6. M/S Minerva Builders & Innovation Pvt Ltd
7. M/S Bajaur Construction Company
8. M/S Umar Khel Construction Company
9. M/S Royal Builder Pvt Ltd
10. M/S OTC
11. M/S Safi Progressive Engineering Pvt Ltd
12. M/S Akhuzada Associates Pvt Ltd
13. M/S Solar Tech Pvt Ltd
14. M/S Peshawar Pipe
15. M/S Ali Haider & Brothers Pvt Ltd
16. M/S Zeus Energy Pvt Ltd
17. M/S Mak Pumps Pvt Ltd
18. M/S Pak Reliable
19. M/S TSK Engineering Pvt Ltd
20. M/S Cititek Pvt Ltd

A meeting has been held in the meeting room of PEDO 4k Town office under chairmanship of Project Director(Solar) in presence of Assistant Director's (Solar) and representatives from the above mentioned firms, on dated 16-06-2021. The chair welcomed the Participants and the queries regarding PQD have been discussed and replied as under:

QUERIES	NAME	CLIENT DECISION
1.	Clarify the Battery Bank capacity of Lithium LiFePO4?	The Capacity mentioned in the BOQ is Usable capacity. All the mentioned battery capacities are rated only with the DOD of 80%.
2.	Is private firms Work Order/ LOA are acceptable?	Zeus Energy Pvt Ltd/Peshawar Pipe Private experiences are acceptable only if the client is SECP registered, or registered with HEC, Board in case of Institutes, Autonomous bodies, registered reputed NGO, International Donors etc Banks
3.	What are the number of Schools and Total project Cost?	OTC Total number of Schools are from 1200 to 2000. Cost of the Project is Rs.1000 Million
4.	CDR inform of Bank guarantee is acceptable	OTC Not Agreed
5.	Kindly Specify the brands as per KPPRA rules brands can be mentioned.	MGH Not Agreed
6.	The certificates as per IEC standard will be consider 2016 & above. Clarify	TSK Engineering Valid IEC certificates/standard & Latest C&W specification will be considered
7.	Kindly clarify the breakers at AC sides	MGH There is no need of AC breakers in the pre-qualification stage. It will be included later in the technical proposal
8.	What are the requirement of stabilizer?	MGH The stabilizer must be in pure copper with the attachment of Voltage cutoff breaker (VCB).
9.	Kindly elaborate the specification and requirement of ceiling fan	Solar Tech Ceiling fan must be energy efficient with max55 watts consumption with 54''to 56'' with wings
10.	What are the requirement of LEDs in wattage	Pak reliable Led light should be in range b/w 14 to 16 watts within tolerance +-10%
11.	Kindly clarify other than building projects?	NRTC Other project must be of solar Pumping/Solar Street lights, solar water filtration plants.

12.	Kindly include the in hand project	Pak reliable	Not Agreed
13.	Kindly specify that 15 million is the estimated cost or Bid cost?	Safi Progressive	Those project will be considered whose contract value is 15 million & above
14.	Kindly specify the type of battery which is acceptable?	MGH	Lithium Iron Phosphate LiFePO4 Battery is acceptable.
15.	The Design 1 must need further clarification?	TSK Engineering	The Design 1 is changed and DC system with 01 room will be incorporated. (Design 01 attached)
16.	The Design 2 need clarification regarding the system voltage.	TSK Engineering	The Design 2 inverter must be capable of 24V/48V system voltage.
17.	Is affidavit being acceptable for vehicles?	TSK Engineering	Yes affidavit is acceptable where the vehicles must be provided after the award of contract.
18	What will be the type of battery? Either it will be prismatic or cylindrical?	TSK Engineering	Both can be quoted in the technical compliance sheet
19.	How many brands are allowed to be mentioned?	Renewable Power	Only Two brands is allowed to be quoted within the time of submission of proposal.
20	Kindly clarify the average annual turnover for the last three years.	Solar tech	<p>One (01) mark will be given if the average annual turnover for past 3 years is equal to 150 or less than 200 million</p> <p>Two (02) marks will be given if the average annual turnover for past 3 years is equal to 200 million or less than 250 million</p> <p>Full marks will be given if the average annual turnover for past 3 years is equal to 250 million.</p> <p>Note: The annual turnover should be reflected in the income tax returns submitted to FBR.</p>



**Compliance Sheet: (Mandatory to Qualify)**

Product Brochure, Catalog and Certifications of every product must be attached with the Technical Sheet and shall be in accordance with approved C&W standardized specification for Supply & Installation of Solar Buildings/Home System 2010.

**Model 1:**

All the below mentioned two options to be carefully filled in in-accordance with approved C&W standardized specification for Supply & Installation of Solar Building.

Sr. No	Description	Quantity	Capacity	Option 1	Option 2
1	Solar Panel (PV module) Mono-crystalline, A Grade, 17.50 Module efficiency minimum and 25 years' power output warranty. The Solar Module shall meet the valid IEC standards or Latest C&W Specifications. (Total capacity = 325 Watts)	-	325 W		
2	30A, 12V/24V MPPT Charge Controller	1 No	30A		
4	P/I of 30 W DC Ceiling Fan as per Pakistan Standards.	03 No	30W		
5	P/I of DC LED Light Bulbs (8-10 Watt) as per International Standards and Certifications.	4 No	8-10W		
6	Battery Bank= 600 Whr (Rated Power)	1 No	600 Whr		

The meeting ended with vote of thanks

