

Minutes of Meeting

Dated: September 22, 2020

Subject: Pre-Bid Meeting for the Pre-qualification of Contractors for The Project
“Solarization of Masjid in District Swat and 440 Masjid in District
Peshawar”

Client:

1. Engr. Khurram Shahzad Durrani (Project Director) PEDO (solar)
2. Engr. M. Ajmal Khattak (Assistant Director) PEDO (solar)
3. Engr. Imran Ashraf (Assistant Director) PEDO (solar)

Contractors:

1. M/S TSK Engineering International PVT (Ltd)
2. M/S, MAK Pumps PVT (Ltd)
3. M/S, Renewable Power PVT (Ltd)
4. M/S, Solar Tech PVT (Ltd)
5. M/S, Green Edge Engineering.
6. M/S, Synercon (PVT) LTD.
7. M/S, KST (PVT) LTD.
8. M/S, PROTECH.
9. M/S, MSK International.
10. M/S, Luqman Brothers.
11. M/S, Impression Engineering Services.
12. M/S, Associated Technology (PVT) LTD.
13. M/S, Zero Carbon.
14. M/S, Ali and Co.
15. M/S, Civic Construction
16. M/S, Zain ul abideen JV M Ajmal.

17. M/S, Pak Reliable Engg. Co SMC (PVT) LTD
18. M/S, Zonergy
19. M/S, Hafiz Hayat & Brrothers.
20. M/S, Friends Associates (PVT) LTD
21. M/S, LBCC
22. M/S, Ali Haider and Brothers Engineer (PVT) LTD JV partner
23. M/S, Adaptive Tech

A meeting has been held in the meeting room of 4000 Masajid Town office under chairmanship of Project Director(Solar) in presence of Assistant Director's (Solar) and representatives from the above mentioned firms, dated Sep 22, 2020. The chair welcomed the Participants and the queries regarding PQD have been discussed and replied as under:

S.NO	QUERIES	CONTRACTOR NAME	CLIENT DECISION
1	What is the duration of the project?	M/S ALI & CO.	12 Months for installation period from date of contract signing.
2	If Model-4(Madrassa System) having total capacity of 3280W which can be run through 3KW/5KVA then why required 6KVA Inverter.	M/S Ali Haider & Brothers PVT LTD	The mandatory updated Technical compliance sheets are attached with this minute of meeting. Please include that equipment which should comply with the technical specifications and certifications notified by Standardization Committee Khyber Pakhtunkhwa for Solar.
3	Is authorized dealership for equipment is mandatory?	M/S ALI & CO.	No, but having dealership for equipment will give separate 03 marks as mentioned in the section 3.2.5 Equipment Capabilities.
4	In technical compliance sheet, Do we Specify brand name of equipment only or mentioned equipment model also?	M/S ALI & CO M/S TSK PVT LTD	Brands as well as Models.
5	Dc Solar System should be revised to improved Solar system capacity?	M/S TSK PVT LTD	Dc Solar system is improved. Please refer to mandatory updated compliance sheet that is enclosed herewith.
6	Wouldn't be better, if install 2 No's of Solar system of 3KW in Model 4(Madrassa System) than 6KVA?	M/S TSK PVT LTD	Please refer to updated mandatory compliance sheets given herewith.
7	Splitting of the Model-4(Madrassa System) 6KVA into 3KW can increase the cost of the system i.e. cabling/wiring & other accessories, would the client pay the extra payment for it ?	M/S HHB	Refer to point 06 decision.

8	Why the applicant provide the affidavit, if they already will providing the proof of ownership of the equipment's?	M/S MAK PUMP PVT LTD	The applicant will provide the affidavit mentioned serial numbers, make, photographs. Those who will pass Basic eligibility mandatory criteria, will be called to provide the equipment's for physical verification as mentioned in the affidavit to prove the ownership.
9	Is it mandatory to provide the firm registered PEC engineer's in the personnel capabilities?	M/S MAK PUMP PVT LTD	Yes.
10	Will client consider only Government Projects or also consider the Private projects i.e. NGO's, Industrial Sector, Educational Institutes, Banks, Telecom Sectors?	M/S ALI & CO. M/S HHB	Yes. Projects related to Government and reputed registered sectors (NGO's, Educational institutes, Banks, Industrial also registered with SECP, Telecom). Each Project will be considered but not less than Rs 05 Million.
11	How many passing marks are required for JV firms and how many firm can do JV Together.	M/S Civic Construction	Refer section 3.3 and 3.6.1.
12	Referring Page no 08 of the PQD section 3.2.2 Financial Soundness, passing marks which is 50% shall be apply on overall section or separately on sub-section.	M/S MAK PUMP PVT LTD	The applicant must secure at least 50% score in each Category(section) and overall 60% to pre-qualify.
13	Why 4x4/Double cabin vehicle is mandatory? Or if someone is not having 4x4 then cars will be acceptable?	M/S ALI & CO.	Yes, 4x4/Double cabin is mandatory as the project area is hard. Rental vehicles 4x4/double cabin may be allowed for marking purpose of pre-qualification. bidder will provide rental agreement and photographs. Cars will only be allowed in district Peshawar but not in District Swat.
14	Hard area allowance will be provided by client?	M/S Adaptive Tech.	No.
15	How much is the total worth of the project and units to be installed?	M/S TSK PVT LTD	At present, cost of the 1591 solar systems is Rs 840.44 Million 1151 units/solar systems are for District Swat and 440 Units/solar systems are for District Peshawar. 123 units of Dc Solar System, 998 units of Small System, 435 units of Jamia System & 35 units of jamia masjid and Madrasa System. The

			cost and number of solar systems can be changed and finalized after pre-qualification for the next stage for the financial bid.
16	JV agreement registration with PEC is mandatory?	M/S MAK PUMP PVT LTD	Yes. As per PEC byelaws.
17	Referring Application Form A-10 Financial Capability & Form A-11 Litigation History, the number of previous years have mentioned 05 instead of 03 years.	M/S ALI & CO.	It shall be considered as 03 years
18	SECP registration is mandatory for C4 also?	M/S Solar Tech	Yes. SECP registration is mandatory
19.	What will be the type of battery is required?	M/S TSK Pvt Ltd	Lithium ion (LifePO4) (DOD-80%) and Super capacitor (DOD-100%)
20	Request to review all the four types of solar systems mentioned in PQD's for efficient working	M/S MAK Pvt Ltd M/S Solartek M/S Ali Haider	All the four systems have been reviewed in light of requests and updated compliance sheet for applicants is attached herewith .

Compliance Sheet: (Mandatory to Qualify)

Note: Updated Compliance sheets with the following four systems for the project:

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 2019.

1. Dc Model:

All the below mentioned three options to be carefully filled in in accordance with approved C&W standardized specification for Supply & Installation of Solar Buildings/Home System 2019.

S. No.	Description	Unit	Capacity	Brand Name/Model		
				Option 1	Option 2	Option 3
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.	Watt	445			
2	Solar MPPT Charge controller 12/24 Volt (40 A) with all sorts of safety protections as per provided specifications.	Amp	40			
3	DC LED Light Bulbs (15 Watts) as per international standards.	9 No	15W			
4	Battery Bank=1.2KWhr	AH	1.2KWhr			



2. Small Masiid Model:

All the below mentioned three options to be carefully filled in accordance with approved C&W standardized specification for Supply & Installation of Solar Buildings/Home System 2019.

Sr.No	Description	Unit	Capacity	Brand Name/Model		
				Option 1	Option 2	Option 3
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 = 1360 Watts)	Watt	1360			
2	Solar Off-Grid Hybrid Inverter 24V/48 V (Lithium Supportable) with built in MPPT Charge controller and all sorts of safety. Protections. Also capable of remote monitoring, Having active RS 232/485 Communication Port.	1 No	3KW			
3	AC LED Light Bulbs (15 Watts) as per international standards	7 No	15 Watts			
4	AC Ceiling Fan (50-55 Watt) 56" Blades as per Pakistan Standards	5 No	50-55 Watt			
5	Auto Voltage Stabilizer 6kW(110v-220v) 220 Volt, 50 Hz (Pure Copper)	1 No	6KW			
6	Battery Bank= 2.88kWhr	AH	2.88KWhr			

3. Jamia Masjid Model:

All the below mentioned three options to be carefully filled in accordance with approved C&W standardized specification for Supply & Installation of Solar Buildings/Home System 2019.

S.No	Description	Unit	Capacity	Brand Name/Model		
				Option 1	Option 2	Option 3
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 = 2460 Watts)	Watt	2460			
2	Solar Off-Grid Hybrid Inverter 48 V (Lithium Supportable) with built in MPPT Charge controller and all sorts of safety Protections. Also capable of remote monitoring, Having active RS 232/485 Communication Port.	1 No	5KVA/5KW			
3	Auto Voltage Stabilizer 6kW(110v-220v) 220 Volt, 50 Hz (Pure Copper)	1 No	6KW			
4	AC Ceiling Fan (50-55 Watt) 56" Blades as per Pakistan Standards	10 No	50- 55W			
5	AC LED Light Bulbs (15 Watts) as per international standards	12 No	15W			
6	Battery Bank= 5.76KWhr	AH	5.76KWhr			

4. Jamia Masjid & Madrasa Model:

All the below mentioned three options to be carefully filled in in accordance with approved C&W standardized specification for Supply & Installation of Solar Buildings/Home System 2019.

S.No	Description	Unit	Capacity	Brand Name/Model		
				Option 1	Option 2	Option 3
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 = 3560 Watts)	Watt	3560			
2	Solar Off-Grid Hybrid Inverter 48 V (Lithium Supportable) with built in MPPT Charge controller and all sorts of safety Protections. Also capable of remote monitoring, Having active RS 232/485 Communication Port.	1No	5KVA/5KW			
3	Auto Voltage Stabilizer 6kW(110v-220v) 220 Volt, 50 Hz (Pure Copper)	1 No	6KW			
4	AC Ceiling Fan (50-55 Watt) 56" Blades as per Pakistan Standards	15 No	50-55W			
5	AC LED Light Bulbs (15 Watts) as per international standards	15 No	15W			
6	Battery Bank= 7.68KWhr	AH	7.68KWhr			

Note: No extension of time is allowed.