

Zonergy Solar Development Pakistan Limited

Invitation for Bids

Zonergy Solar Development Pakistan Limited invites sealed bids for the installation services and material cost for installation of 25KW solar system at Bahawalpur. The details of the services required are as follows. Please check the BOQ. The bids prepared in accordance with the instructions contained in the bidding documents, must reach at office on or before February 7th, 2020 at 11:00am. Bids will be opened on same day at 11:30am. The Company will not be responsible for any delays. The decision of the Board of directors in this respect shall be final and binding.

General Manager
Zonergy Solar Development Pakistan Limited.
House no 04, Street no 32, F6/1, Islamabad.
Phone No: 051 28 26 888
Email: x_hongchang@zonergy.com
m_safdarshah@zonergy.com

25KW Fronius Inverter with 20.4kWp Grid Tie Tentative BOQ (1*25KW System)

No.	ITEM(s)	Description	Unit	Qty	Remarks
1	Inverter	Fronius Eco 25kw with built in Data Manager 2.0	Nos.	1	Fronius
2	Fronius Smart Meter	Fronius Smart Meter 63A-3	Nos.	1	Fronius
3	PV Module	JA 400 Mono PERC Half cell	Nos.	51	3 Strings of 17 panels in series
4	PV Frames	14AWG Standard Galvanized Iron Double Stacking Channel Type	Nos.	26	Two panels on one frame with 30 degree tilt angle
5	Distribution Boxes				
6	Distribution Box	Iron DB for all DC breakers and SPD placement	Nos.	1	DB size for inhousing 8 breakers will be suitable
7	Breaker, SPDs				
8	MCB 1000VDC 16A 2P	PV breaker	Nos.	3	Schnieder/Other
9	DC SPD 1000VDC 2P (40KA breaking capacity)	For PV strings	Nos.	3	Schnieder/Other
10	MCB 400VAC 63A 4P	For Inverter AC Output	Nos.	1	Schnieder/Other
11	AC SPD 400VAC 4P (60KA breaking capacity)	For inverter AC output	Nos.	1	Schnieder/Other
12	Electrical Wires				
13	4mm Sq. 1 Core DC Flexible Wire 1000VDC Rating	DC flexible wire from PV modules to inverter dc input	mtr.	360	New age/other
14	10mm Sq 4C AC Flexible Wire 300/500VAC Rating	Inverter to injection point	mtr.	15	New age/other
15	4mm Sq. 1 Core AC Flexible Wire 300/500VAC Rating	AC Wire for AC connections and PV frame grounding	mtr.	45	New age/other
16	6mm Sq. 1 Core AC Flexible Wire 300/500VAC Rating	AC Wire for AC connections and PV frame grounding	mtr.	90	New age/other
17	Pipes & Ducts				
18	PVC Duct (10 ft length of one duct)	80*80 for placing under the inverter and DB	Length	2	Popular/Other
19	PVC Coated flexible pipe (G3)	1.5" for PV wire laying on rooftop and till inverter place(50m coil)	Coil.	4	Local
20	Warning Sticker	Warning Sticker	Nos.	5	Local
21	MC4 connectors	IP67/IP68 for pv stringing	Pair.	20	
22	Civil Works				
23		No civil works	cubic ft	0	
24	Inland Transportation				
25	Complete transportation for panels, frames, inverters etc.	Complete system transportation from installation to commissioning from warehouse to site and other	Job.	1	
26	DC Earthing	DC earthing	Job.	1	
27	Net metering charges	Net metering charges fees	Job.	1	
28	Installation & Commissioning Charges				
29	Total project execution estimated cost	Complete project execution till commissioning and handover	Job.	1	Any local subcontractor
30	MISC	Cable ties, rawal bolts, pvc tapes, steel and PVC clamps, pvc pipes, Lan wire, wifi device etc.	Job.	1	
31	AC Disconnect Switch/Circuit Breaker with DB	MCCB 4P 63A 400VAC	Nos.	1	Schnieder/Other

No.	Assumptions
1	The distance from rooftop to inverter area is not more than 100ft
2	The distance from inverter to distribution box is 50ft
3	Client has flat concrete type rooftop
4	No customized PV frame structure
5	NO AC Earthing
6	No lightning arrestor
7	No civil works