



National Rural Support Programme

Date: Wednesday, March 13, 2024

### Evaluation Sheet of Solar PV Systems for KP Region (RQ-1561)

Suppliers Name			GMD Solar Company Pvt Ltd		Mir Engineering		ASR Traders & Builders		Projexive Pvt Ltd	
S #	Item	Qty	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Complete Solar PV System of 36KW for RO Nowshera As Per Tender Document	1	6,516,000	6,516,000	6,637,312	6,637,312	7,953,200	7,953,200	7,260,129	7,260,129
<b>Grand Total</b>			<b>6,516,000</b>		<b>6,637,312</b>		<b>7,953,200</b>		<b>7,260,129</b>	

Technical Compliance/Evaluation Sheet for design, supply/installation/testing/commissioning of Solar PV system of 36 KW for NRSP RO Nowshera RQ-1561

S.No	Component	Description / Brand / Model	ASR Traders		GMD Solar Pvt Ltd		Mir Engineering		Projective Pvt Ltd		
			Offered	Qty	Offered	Qty	Offered	Qty	Offered	Qty	
2	Inverter	Inverter Model	3Ph, 12kW	3	3Ph, 12kW	3	3Ph, 12kW	3	3Ph, 12kW	3	
		Type	Hybrid – on Grid		Hybrid – on Grid		Hybrid – on Grid		Hybrid – on Grid		
		Brand Name	Inverex Nitrox or equal		Inverex Nitrox 3P-48V		Voltronic Power/Inverex Nitrox 3P-48V		Inverex Nitrox 3P-48V		Inverex Nitrox 3P-48V
		Warranty	5 Years replacement		5 Years		5 Years		5 Years		5 Years
		Additional Remarks			Latest Intelligent generation with all latest features IP65 compliant		5 Years free services		2 Years free services		
3	Mounting Structure	Specifications	Customized elevated structure of H-beam 5" x 3" (Mughal or equal), Square Pipe of 3" x 1-1/2" 16AWG for solar panels, 3/4" x 1/4" angle iron for cross section support, on ground with allied civil work for foundation. Structure to be painted with one base layer of red oxide and two final layers of Enamel paint of black color. (pls explain the details of material and sketch in your quote)	As per requirements	1	As per requirements for 38KW Solar System	1	As per requirements	1	As per requirements	for 64 pannels
4	Battery	Specification	Tall Tubullar Tx3000 245Ah,12V Phonix, AGS/Exide	Tall Tubullar Tx3000 245Ah,12V Phonix	16	Tall Tubullar Tx3000 245Ah,12V Phonix	16	Tall Tubullar Tx3000 245Ah,12V Phonix	16	Tall Tubullar Tx3000 245Ah,12V Phonix	16
		Warranty	1 Year	1 Year	1 Year						
5	DC Cables	Specifications for PV	2Core, 4mm2, Flexible, Cu/PVC/PVC	Yes	As per requirement	Yes	As per requirement	LS Cables	As per requirement	Yes	As per requirement
		Specifications for Battery	1Core, 35mm2, Flexible, Cu/PVC								
		Brand Name	Fast/Newage or equal								
6	AC Cables	Specifications for Input	4Core, 10mm2, Flexible, Cu/PVC/PVC	Yes	As per requirement	Yes	As per requirement	Fast Cables	As per requirement	Yes	As per requirement
		Specifications for Output	4Core, 6mm2, Flexible, Cu/PVC/PVC								
		Brand Name	Fast/Newage or equal								
7	Earthing Cables	Specifications for PV-PV	1Core, 2.5mm2, Stranded, Cu/PVC	Yes	As per requirement	Yes	As per requirement	LS Cables	As per requirement	Yes	As per requirement
		Specifications for DC Circuit	1Core, 4mm2, Stranded, Cu/PVC								
		Specifications for AC Circuit	1Core, 4mm2, Stranded, Cu/PVC								
		Brand Name	Fast/Newage or equal								
8	DC Combiner Box	Specifications	Customized	Yes	As per requirement	Yes	As per requirement	LS Cables	As per requirement	Yes	As per requirement
		Brand Name	DB Local Fabricated in 16 Gauge. Powder Coated. DC Breakers 2P.								
9	PV Breakers/Fuses	Specifications	15A, 2-Pole, 1000V	Yes	As per requirement	Yes	5	Tomzon	As per requirement	Yes	As per requirement
		Brand Name	Chint/Equivalent								
10	AC Combiner Box	Specifications	DB Local Fabricated in 16 Gauge Powder Coated.	Yes	As per requirement	Yes	1	Tomzon	1	Yes	As per requirement
		Brand Name	Customized								
11	AC Breakers Changeover	Specifications for Input	MCB, 3-Pole, 16A, 6 kA Breaking Capacity	Schneider, Yes	As per requirement	Schneider, Yes	2	Tomzon	2	Schneider, Yes	As per requirement
		Specifications for Output	MCB, 2-Pole, 20A, 6 kA Breaking Capacity								
		Specification for Battery Bank	MCCB, 3-Pole, 160A, 36kA								
		Specification	SPD, 4-Pole, 415V, 40kA								
		Brand Name	Schneider/Equivalent								
12	Miscellaneous Items	Specifications	Lugs, Nut, J Bolts, Angle iron, Bad Steel, GI Conduit, pipes caps, Flexible Pipes, Epoxy, silicone, lighting arrestors etc.	Yes	As per requirement	Yes	Complete job	As per requirement	Complete job	Yes	As per requirement
		Brand Name	None								
13	Mechanical Installation	As Per Standard/requirement	Yes	1	Yes	1	Yes	1	Yes	1	
14	Earthing Works	As Per Standard/requirement	Yes	1	Yes	1	Yes	1	Yes	1	
15	Electrical Installation & Commissioning	As Per Standard/requirement	Yes	1	Yes	1	Yes	1	Yes	1	
16	Net Metering	As Per Standard/Al requirements of PESCO	Yes	1	Yes	1	Yes	1	Yes	1	
17	Transportation & Material Handling	As Per Standard/requirement	Yes	1	Yes	1	Yes	1	Yes	1	
Final Remarks			Technically Compliant provided that all the items which are marked "Yes" to be provided as per mentioned.		Technically Compliant provided that all the items which are marked "Yes" to be provided as per mentioned.		Technically Compliant provided that all the items which are marked "Yes" to be provided as per mentioned.		Technically Compliant provided that all the items which are marked "Yes" to be provided as per mentioned.		

6/7/24

As per 8/3/24

Signature