

# TENDER NOTICE NO. /2024

#### INSTALLATION OF 10 KW SOLAR SYSTEM

1. PNS <u>RAHBAR</u> invites sealed bids from well established and reputed firm/ individual profile and registered with Pakistan Navy/FBR having vast experience for installation of Solar System.

## SCOPE OF WORK

2. Installation of 10 KW Solar System at Govt School Salehabad at Manora (Island). Details are appended below:

S.No	Equipment	Description		
a.	Out put	10 KW (net)		
b.	Solar Panels, (Photovoltaic (PV) module)	JINKO 580 W (Half Cell solar panel)		
C.	Inverter	Nitrox, string inverter, 12KW Three Phase, Hybrid Grid-Tied Inverter.  OR  Nitrox, string inverter, 02 x 06KW Three Phase, Hybrid Grid-Tied Inverters. (quote separately)		
d.	Structure	Standard elevated Structure with following specs:		
		Elevation/ tilt Height	10 -12 degree 2-3 feet	
		Anchor brackets	SS 302 (material), ≥10mm, with ≥6mm angle/ strip, with height of 04 inch, mounting brackets to joint with GI nut/ bolts with spring / washers.  Anchor GI Bolts 08mm with approx. height of 75mm with GI spring / Washers	
		Mounting brackets	Aluminum anodizing bar (rectangle) width ≥1.5 in / angles 1x1, ≥4mm, Aluminum 6062-T6	
		Clamps	Mid-Clamp Aluminum 6062-T6 End Clamp Aluminum 6063-T6	
		Nut / bolts	All nut bolts GI galvanized for mid, end clamps and brackets, with spring washers	
		Finish With stand	Epoxy painting of all structure  Structure should sustained with wind spee of 30 knot (35 mile/hr)	
e.	Batteries	Tubular type (deep cycle), PHONIX, TX 2500, qty 0.  (Optional) (quote separately)		

f.	Power Cables &			
	System	AC / DC wires /	Fast cable / Pakistan cable, Suitable size	
	Accessories	cables	& length, for circuitries wring	
		Main Cable /	Main cable from system to grid supply,	
		Distribution	approx 30 meter, 16mm, with 60 Apms	
			auto change over.	
			OR Power Distribution cable for individual 04	
			x blocks/ buildings: from MAIN system	
			X blocks/ buildings. Home over	
			with 30 Apms auto change over As per requirement of system (specify in	
		AC SPDs		
			As per requirement of system (specify in	
		DC SPDs		
			quote) 200 Apms OR 02 x 100 Apms / as per	
		Circuit	requirement (specify in quote)	
		Breaker, AC	200 Apms OR 02 x 100 Apms / as per	
		Circuit	requirement (specify in quote)	
		Breaker, DC	As required for panels / system	
		MC4	As required to participation	
		Connector	Himel, suitable as per max power rating,	
		Internal Load	with suitable allowance.	
		Management	VVIIII CONCORDIO	
	- 11.	DC Farthing Pit	along with complete Material for <5- ohr	
g.	Earthing	parth registance		
		Earthing Pit including all the material Copper rod, Hand Bore		
		Machine Bore, and installation services		
	1: -bain - Arroctor	As per standard (for 10 KW system), made of co		
h.	Lighting Arrestor	specified for solar panels.		
	Larc Daniela	Wi-Fi/GPRS Module		
1.	Wifi Dongle	As per OEM warranty of main equipment, solar panel		
k.	Guarantee /	hatteries inverter all auxiliary system devices etc		
	warranty	tending all repair, replacement		
1,	Services warrantee	Ol x year service		

3. The interested companies/firms are required to submit their bids through "Single Stage Two Envelopes" procedures as outlined in rule 36(b) of the PPRA Rules, 2004. Each envelop shall contain separately the "Technical Proposal & Financial Proposal" and shall be marked as such in bold and legible letter to avoid any confusion. The bids must reach to the undersigned before 1200 hrs on 03 June 2024. Technical bids will be opened on the same day at 1230 hrs at EXO Office PNS RAHBAR in presence of the bidders or their authorized reps who may wish to be present. Financial proposal will be retained.

# EVALUATION CRITERION

4. The evaluation committee constituted by PNS RAHBAR shall first scrutinize the technical proposals based on the following considerations. Financial bids of only those

firms who are pre-qualified as technically responsive will be opened. Sealed financial bids of technically non-responsive contractors / firms will be returned. Firms must conform to the following criteria:

- a. Firm's profile with permanent and present mailing address containing NTN Certificate, CNIC Copy, Income Tax Clearance Certificate for the last three years.
- b. Financial status, banker's reference/details, capital investment position, total values of assets / liabilities.
- c. Details of works executed and current contract alongwith performance report.

### FINANCIAL PROPOSAL

5. Consequent to the evaluation of technical proposal, the financial proposals of the bidders shall be opened in their presence with prior intimation of given time & date and shall be evaluated.

## TERMS & CONDITIONS

- 6. The firm / contractor shall attach a sum equivalent to 2% of the total bid amount as earnest money with technical proposal in the shape of pay order in the name of Commandant PNS RAHBAR.
- 7. The successful firm / contractor will be required to execute an agreement with the Commandant PNS RAHBAR on a non-judicial stamp paper of appropriate value within 07 days from the issuance of acceptance letter.
- 8. PNS RAHBAR reserves the right to reject all bids or proposals at any time prior to the acceptance of a bid or proposal giving due justification under relevant PPRA Rules.
- 9. This tender can also be browsed at PPRA website www.ppra.org.pk.

MUHAMMAD ASIF

President Local

Purchase Committee

PNS RAHBAR

at Manora Cantonment

KARACHI

021-48505123