

## **INSTRUCTIONS TO BIDDERS**

Quaid-e-Azam Solar Power (Pvt.) Ltd. (the "Client") intends to hire a Company for **Rehabilitation of 50kW Solar Wind Hybrid Power plant** in compliance with PPRA RULES, 2014. Tenders are hereby invited for the items and services as detailed in *Terms of Reference*, subject to the following terms and conditions:

1. The Bidder must be registered with SECP or Registrar of Firms. Copy of registration to be provided with Technical Bid.
2. The Bidder must be registered with Sales Tax and Income Tax Department, Punjab Revenue Authority. (Attach copies of registration certificates).
3. The bidder shall submit the sealed bid at the place mentioned in the tender notice on or before the date and time mentioned in the tender notice which will be opened on the same day in the presence of representatives of the bidding firms who may wish to be present. Conditional, ambiguous and/ or overwritten rates, in any form, shall not be accepted.
4. The procurement will be done under PPRA RULES, 2014, using **single-stage two-envelop** procurement method and will be evaluated on **least cost basis**. The bids shall be submitted in two separate sealed envelopes of Technical and Financial Bids enclosed in overall one sealed envelope. Technical Bids shall be opened first for checking the completeness of information and requirements. Any bid that does not fulfill all the requirements of technical bid shall be considered non-responsive.
5. Financial bids of responsive bidders shall be opened on same day in front of all responsive bidders. The bid found technically non-responsive shall be returned to respective bidder without opening of the Financial Bid.
6. Rated quotes should be in Pak Rupees, inclusive of all applicable taxes (Income Tax and Sales Tax etc.). If not specifically mentioned in the quotation, it will be presumed that the prices include all the taxes.
7. Tender/Bids shall be submitted only on this tender form duly filled, signed/initialed, numbered and stamped on each page by Chief Executive /Authorized person of the firm.
8. The Bidder should not be blacklisted by any public or private sector organizations. Bidder to attach an affidavit on stamp paper, refer **Annex-A**.
9. The Bidder shall provide list of completed purchase order similar scope during the last 2 years. The copies of Work Orders/Purchase Orders, from clients to be provided as proof of works done.
10. Client will not be responsible for any costs/expenses incurred by the bidders in connection with preparation or delivery of bids.

11. Bid Security amounting to **PKR 50,000** (Within 5% of estimated price) in the form of pay order or demand draft favoring Quaid-e-Azam Solar Power (Pvt.) Ltd., valid for at least 90 days, shall be provided by the bidder. The Bid security shall be sealed in Technical Bid Envelope.
12. The bids must be delivered to the following address by or before **2:30 p.m., 5<sup>th</sup> of January, 2021.**

**Chief Executive Officer,  
Quaid-e-Azam Solar Power (Pvt.) Ltd.,  
3<sup>rd</sup> Floor, 83-A E/1,  
Main Boulevard, Gulberg-III, Lahore.  
Phone No. 042-99332261-65**

13. The bids will be publicly opened on the aforementioned date at 3:00 p.m. in the Conference Room of QASPL office.
14. The bid validity period is 90 days, starting from the date of opening of bids.
15. The competent authority may reject all bids or proposals at any time prior to the acceptance of a bid/proposal. The Client shall upon request communicate to any bidder, the grounds for its rejection of all bids or proposals, but shall not be required to justify those grounds.
16. If the proposal of any of the bidder does not fulfill the aforementioned criteria, they may be considered non-responsive.
17. Late received bids will be returned unopened. No alteration/amendment shall be allowed after submission.

## A. Scope of Work

### 1. Introduction:

50kW Solar-Wind Hybrid Project installed at remote location of Khushab District at Dhok Wadgal Village. The 50kWp solar PV and 2x10kW Solar-Wind Hybrid renewable energy power plant is designed to supply power to Dhok Wadgal and Dhok Pheera villages, which have a combined population of more than 500 members from 80 households. The Power Plant is located at following coordinates **(32.449273, 72.054950)**. The location can also be searched from Google maps by searching **Dhok Wadgal Power Station**.

The project consists of following equipment.

#### *Solar Modules*

Manufacturer:	Suntech China
B/brand:	(Tier 1, 2017)
Model:	STP255-20/Wem
Power Rating:	255Wp, Poly
Quantity Installed:	140 Nos.

#### *Inverters*

Manufacturer:	UFY China
Model:	ETS-B-30k
Power Rating:	30kW
Quantity Installed:	02 Nos.

#### *Wind Turbines*

Manufacturer:	Huaying Wind Power, China
Model:	Hy10-AD7.8
Power Rating:	10kW
Quantity Installed:	02 Nos. (Installed on 24m high steel lattice structure)

#### *Wind Turbine controllers*

Manufacturer:	Not Available, China
Model:	WWS100-220-L01
Type:	Solar Wind Hybrid
Power Rating:	10kW Wind, 3kW Solar
Quantity Installed:	02 Nos.

#### *Storage batteries*

Manufacturer:	Shoto, Gel Deep Cycle Battery.
Brand:	(Renowned- Chinese Local)
Model:	Gel Valve-regulated Sealed Battery
Power Rating:	1000 Ah, 220V DC
Quantity Installed:	2 x Banks of 110 Nos. each

## 2. Site Access and Pictures.

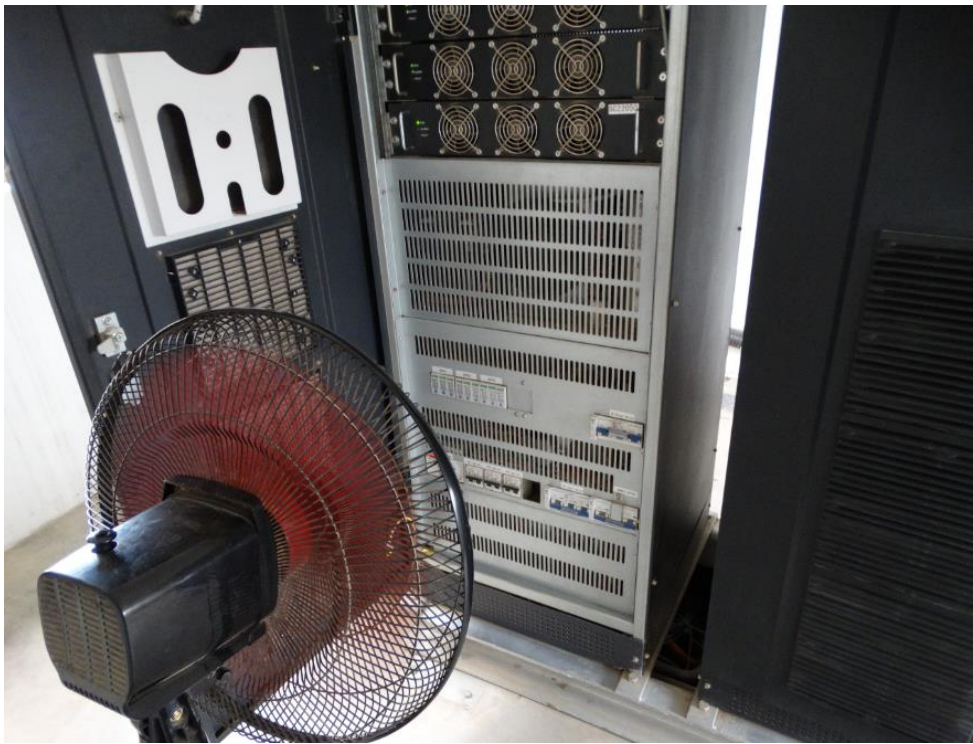
The Wadgal Village is located in remote area of Municipal Committee Joharabad, Tehsil Quaidabad, Khushab District. The mobile phone signals are not available at this location so communication is not possible through mobile networks.

The access route to these villages is as under.

Road	From	To	Distance (km)	Time (hr:mm)	Road Condition
M2	Lahore	Sial Interchange	161	01:35	Excellent
Sargodha Gujrat	Sial	Bhalwal	12.4	00:14	Single Carpeted Road. Medium/poor quality
Sargodha Gujrat	Bhalwal	Khushab	55.8	01:07	Single Carpeted Road. Medium/poor quality
Sargodha Mianwali	Khushab	Joharabad	7.5	00:11	Single Carpeted Road. Medium/poor quality
Sargodha Mianwali	Joharabad	Chussan Wali Road	25	00:25	Single Carpeted Road. Medium/poor quality
Darbar Shareef Road	Chussan Wali road	Choha Shareef	10	00:20	Partially carpeted single village road of poor quality.
Darbar Shareef Road	Choha Shareef	Dhok Wadgal	14.7	00:37	Non carpeted, rocky road.
<b>Total Time &amp; distance</b>			<b>308</b>	<b>04:52</b>	

The total travel time from Lahore City to project site is approximately 05 hours. The site is remote and do not contain any overnight staying facilities and there is no availability of water supply system.

Site Pictures:









Rated Battery Volt: 220 V<sub>dc</sub>  
Rated Wind Power: 10 kW  
Rated PV Power: 3 kW  
Dumpload Voltage: 266 V  
Wind Brake Current: 46 A

MODEL:  
WWS100-220-L01

S/N: C1608120008





### **3. Scope of Services**

For rehabilitation of project, the bidder shall perform following tasks inclusive of supply, installation and commissioning.

1. Supply one (01) Wind Turbine Controller of make/model mentioned above in the technical details. The Wind turbine controller shall be installed at the designated position in control room. The scope of work shall include complete installation and commissioning of wind turbine controller to make the wind turbine operational. The current state of wind turbine is in Mechanical Lock.
2. Repair of 01 No. 30kW Solar Inverter which is faulty and partially operational with the help of forced ventilation. The bidder shall completely overhaul, repair and service the inverter.
3. Configuration of installed SCADA system and to make it operational.
4. Provision and replacement of 10 No.s 16W AC LED Type Street Lights installed on poles. The mounting is available, only replacement of fixtures is required.
5. Repair of 01 No. DC Inverter Type Split Air Conditioner in Battery Room and make it operational.

The bidder may also visit the site to acquaint himself with the site conditions.

## B. TECHNICAL BID FORM

The bidder is required to provide the complete information regarding its understanding of Scope of Work, Method statement, execution strategy and relevant documentary evidence.

**I/We certify that the above information and documents provided with the bid are true and factual.**

(Sign. & Stamp of bidder)

## C. FINANCIAL BID FORM

<b>A. Rehabilitation</b>				
<b>Sr.#</b>	<b>Name &amp; Description</b>	<b>Quantity</b>	<b>Unit Price (PKR)</b>	<b>Total Price (PKR)</b>
1	Wind Turbine Controller (10kW Wind, 3kW Solar Hybrid Type) WWS100-220-L01. Complete with supply, installation and commissioning.	1		
2	Repair of 30kW Solar Inverter Make: UFY China Model: ETS-B-30k. Complete with testing and commissioning.	1		
3	Configuration of installed SCADA system	1		
4	Repair of 1.5-ton DC inverter Type Air Conditioner in Battery Room	1		
5	Supply and installation of LED Lights. Complete with supply and installation.	10		
<b>Total</b>				

**Note:**

1. Price shall be inclusive of all applicable taxes.
2. Price shall be in PKR (valid for 90 days after submission of Bid).
3. Advance Payment (if required by bidder with order confirmation) shall be provided against Bank Guarantee.
4. The successful bidder shall have to submit the performance guarantee in the form of Bank Draft or Bank Guarantee amounting to 10% of the Contract price valid till one year after issuance of completion certificate.

(Sign. & Stamp of bidder)

**AFFIDAVIT**

(For Bidder's Use)

As \_\_\_\_\_ owner/controller \_\_\_\_\_ of \_\_\_\_\_ M/s.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I/We accept the terms and conditions as laid down in tender document and advertisement notice. I/We shall also observe all the rules/regulations framed by Government of the Punjab regarding the purchase/provision of items; I/We also affirm that I/We have never been blacklisted by any Govt. /Semi Govt. organization or autonomous body.

I/We declare that our business/firm fulfills all the legal requirements to take part in the bidding and I/We have been authorized by the firm in this regard. I/We also assert that the rates quoted are reasonable with the market rates.

(On behalf of the firm)

NAME:

DESIGNATION:

SIGNATURE:

STAMP OF THE FIRM

Date: \_\_\_\_\_