

**Khwaja Fareed University of Engineering & Information
Technology, Rahim Yar Khan**



Tender Document

**Supply & Installation of 252KW On-Grid Solar Energy
System for Civil Engineering Department**

At

**Khwaja Fareed University of Engineering
& Information Technology
Rahim Yar Khan**

TENDER DOCUMENT

**Supply & Installation of 252KW On-Grid Solar Energy
System for Civil Engineering Department**

At

Khwaja Fareed University of Engineering and Information Technology

TENDER PRICE Rs. 5000/-

Last Date of Submission: _____

FOR OFFICE USE ONLY

Sold to: M/S _____

Date of Sale _____

Bank Challan No. _____

Date _____

1. Overview

Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan intends to purchase “**Supply & Installation of 252KW On-Grid Solar Energy System for Civil Engineering Department**” as provided at **Annex ‘A’**. The supplier will be responsible for Supply, delivery, installation and commissioning of all specified items, wherever required, at the Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan. This document provides complete instructions for bidders intending to participate in this Tender.

2. Instructions for Bidders

2.1. Response to the Tender (Bid) should be submitted in one part which shall include two separately sealed envelopes of Technical **Proposal** and Financial **Proposal** before **01:00 PM** before Last Date 29-09-2017. Technical Proposals will be opened on same day at **02:30 PM** in the presence of representatives of responding bidders, if any, and Financial Proposals will be opened after completion of technical evaluation. The exact time and place for opening of financial proposals will be informed to technically qualified bidders.

2.2. Responding bidder shall deliver two sealed copies of the bid. Each copy being physically separate, bound, sealed and labeled. Proposals shall be delivered at the address given below.

Project Officer

**Khwaja Fareed University of Engineering & Information Technology
Abu Dhabi Road, Rahim Yar Khan.**

Tel. # 068-5882439

2.3. Any queries regarding this proposal should be directed to the designated Technical Contact Person listed below.

Mr. Irfan Ahmed Chaudhary, Tel. # 068-5882439

2.4. All bids must be submitted by filling the **Annex ‘B’**. Same should be enclosed in the financial proposal. Bidder must use the same numbers and labels used in this Request for Proposal.

2.5. The original Tender Document duly signed and officially sealed by the bidder must be submitted in whole with the proposals. Any conditional, ambiguous, incomplete, supplementary or revised offer after the opening of tender shall not be entertained.

3. Technical Proposal Format

Bidders are required to include the following documents /information in their technical proposals in the order given below:

- i. The Name and Address
- ii. Profile of company (Including Financial Profile)
- iii. List of Previous/Current customers of related designing, composing and printing of prospectus, with contact person and telephone/fax numbers.
- iv. Detailed product design information
- v. Copy of National Tax Registration Certificate
- vi. Copy of Sales Tax Registration Certificate
- vii. Bank letter of financial standing
- viii. An affidavit on Rs 100/- Stamp Paper that currently they are not black listed or de-barred by any Government/Semi-Government Department to participate in bidding and to supply equipment. Failure to submit such affidavit may lead to disqualification.
- ix. Any additional information the bidder may like to furnish e.g. repair/maintenance other concerned facility
- x. Detailed item specifications matched corresponding to the BOQ as given at **Annex 'A'**
- xi. Detailed project implementation schedule/Completion Schedule which includes the delivery of items mentioned in the BOQ
- xii. Signed and stamped Tender document
- xiii. Bank Draft of the Earnest Money

4. Financial Proposal Format

Financial Proposal must include the following in the order given below:

- i. Equipment prices duly entered on the form in the attached BOQ
- ii. Validity period of the quoted price
- iii. Any other Terms and Conditions

5. Terms & Conditions

- 5.1.** This invitation for bids is open to all national original Manufacturers/ Distributors/Agents in Pakistan for Supply of Tools, Carpentering, Plumbing and Electric Material.
- 5.2.** All prices should be quoted in Pak Rupees and inclusive of all Government Taxes & Levies.
- 5.3.** A bank draft equal to 2% of the estimated cost should accompany the Tender as **Earnest Money** drawn in favor of **KFUEIT Rahim Yar Khan**. The Tender shall not be considered without Earnest

Money. Bank Guarantee will not be accepted. Bank draft for Earnest Money should be placed with the Technical proposal.

- 5.4. Earnest Money for bidders not selected will be returned a minimum of two weeks after announcement of award and returned to successful bidder after signing the contract. If the selected bidder fails to sign the contract within stipulated time, Earnest Money will be forfeited.
- 5.5. A Bank draft of 5% of the total amount as **Performance Guarantee** will be provided by the supplier in favor of KFUEIT, Rahim Yar Khan within 10 days after signing of the contract on judicial stamp paper of the value PKR. 1200/-which shall remain valid for 12 months beyond delivery period. This performance guarantee will be released after the completion of warranty/guarantee period, along with the satisfactory completion report which will be intimated to the Seller and the Director Procurement KFUEIT, Rahim Yar Khan for their onward issuance of No Objection Certificate (NOC) for the release of performance guarantee.
- 5.6. KFUEIT Rahim Yar Khan reserves the right to accept / reject any or all proposals without assigning any reason thereof.
- 5.7. The quantity of an order may vary depending on the quoted prices and the allocated funds.
- 5.8. The decision of the KFUEIT procurement committee will be binding on all concerned and will in no case be challenged in any forum.
- 5.9. KFUEIT Rahim Yar Khan reserves the right to modify the conditions / specifications of the Tender Document with written intimation to all the participants who have purchased the Tender Document.
- 5.10. Delivery period will be 45 days from the date of issuance of purchase order/supply order.
- 5.11. Delivery shall be completed according to the agreed upon schedule.
- 5.12. In case the selected bidder fails to execute the contract strictly in accordance with the terms and conditions laid down in the contract, the Performance Guarantee shall be forfeited.
- 5.13. The University will get the item inspected at KFUEIT Rahim Yar Khan and reject the item, if not found according to the stated specifications.
- 5.14. The University reserves the right to claim compensation for the losses caused by delay in the delivery of equipment.
- 5.15. It is the sole responsibility of the bidder to comply with local, national and international laws.
- 5.16. In case any supplies/material is found not in conformity with the specifications provided in the tender, either on account of inferior quality, defective workmanship, faulty design, faulty packing or is short supplied, or wrongly supplied, the supplier will replace the same free of charges or pay the full cost of replacement.
- 5.17. All the proposals submitted will become the property of the University.

- 5.18. All prices should be valid for at least 60 days. Withdrawal or any modification of the original offer within the validity period shall entitle the KFUEIT Rahim Yar Khan to forfeit the Earnest Money in favor of the KFUEIT Rahim Yar Khan and/or putting a ban on the future inquires or taking any other suitable action against the bidder.
- 5.19. Delivery of the items will be free of charge at Khwaja Fareed University of Engineering & Information Technology, Rahim Yar Khan during the office hours with a copy of Delivery Challan.
- 5.20. Items being ordered should be brand-new and according to order specification from the current production and covered under normal warranty/guarantee etc. as mentioned in the quote. Brochures mentioned and product details must be attached.

6. Tender Evaluation Criteria

All bids shall be evaluated on technical and financial merit. The Company Evaluation Criteria is attached at **Annex ‘C’** for reference. Technical evaluation process may include, but not limited to the consideration of the following with respect to the functional requirements given ahead:

- a. Technical specifications of proposed item
- b. Company Profile
 - I. Age of the company
 - II. Financial strength of the bidder

Certification from Recognized International Testing Laboratories for the following equipment

- i. Photo Voltaic Module**
- ii. Solar Inverters**

Financial Evaluation process will be based on the consideration of the quoted price.

7. Undertaking

On behalf of the company it is certified that we agree to the all the Instructions and Terms & Conditions given in this Tender Document

Name of bidder.....

Authorized person.....

Authorized signature.....

Stamp.....

Office Address.....

Tel No

Fax No

Supply & Installation of 252KW On-Grid Solar Energy System for Civil Engineering Department

Sr.	Item Name	Specifications/Minimum Requirements	Qty.
1	PV Module Specifications	<p>Trina Solar/JA Solar /Canadian Solar/Hanwha Q cell/First Solar and equivalent or better</p> <ul style="list-style-type: none"> ▪ Module type Polycrystalline ▪ PV Module sizes should be 325 watts ▪ Withstand challenging environmental conditions of 2400 pa wind load, 5400 pa snow load Hail resistance as per IEC 61215 hail test ▪ Positive power tolerance of 0-5w ▪ Min 10-year product warranty ▪ 25-year linear power life surety ▪ Module efficiency 16.7% or above ▪ PV module should be Potential Induced Degradation (PID) resistant ▪ Salt and ammonia resistance as per TUV certification ▪ PV module should have following certification: IEC 61215/IEC 61730/UL 1703, ISO 9001:2008 ISO 14001:2004, OHSAS 18001 ▪ Authorization letter from the manufacturer 	776
2	Inverter specifications	<p>SMA/Fronius/Solar edge/ABB/Delta/Schneider equivalent or better</p> <ul style="list-style-type: none"> ▪ 3 phase inverter build in MPPT ▪ European manufactured ▪ Inverter size 25 KW Minimum Requirement ▪ Should comply on following certification IEC 62109, IEC 61727 built in dc disconnect ▪ Warranty minimum 5 years ▪ IP 65 rated or more, ▪ Transformer less topology ▪ Max permitted humidity: 100% ▪ Ambient temperature range: -25C to 60C ▪ Built-in reverse polarity protection ▪ Built-in DC connectors ▪ Harmonics distortion of current < 3% ▪ Maximum efficiency 98% or greater ▪ Authorization letter from the manufacturer. 	10
3	Mounting structure	<ul style="list-style-type: none"> ▪ Imported Aluminum Structure without need for roof alteration ▪ Should be bearable against wind velocity of min. 33m/s 	1 Job

		<ul style="list-style-type: none"> ▪ Proper water proofing to be done on roof top, if needed ▪ MS Power Coated, Gauge = 14, Thickness = 3mm, Greater than 90 Microns. 	
4	DC String Cables	<ul style="list-style-type: none"> ▪ 2Core, 6mm², CU/XLPE/XLPE, 1000VDC, Standard: 2PFG1169, TUV Certified. Make: Imported cables 	Per/Meter (as per site Measurement)
5	AC Cables	<ul style="list-style-type: none"> ▪ 4Core, 35mm², Standard, Cu/PVC/PVC, 1Core, 120mm², Standard, Cu/PVC (Tests will be conducted) 	Per/Meter(as per site Measurement)
6	Online monitoring system and Data Logging System	<ul style="list-style-type: none"> ▪ Remote monitoring ▪ Computerized data monitoring system ▪ Data logging of parameter like current, voltage, power, fault etc. 	1 Job
7	Net Metering Grid Tied Solar System	<ul style="list-style-type: none"> ▪ Net metering Grid Tied Solar system 	1 Job
8	Electrical wiring & Distribution	<ul style="list-style-type: none"> ▪ Set all other hardwares as per specification, Testing & Commissioning. 	As per Technical Requirement
9	Cable Tray	<ul style="list-style-type: none"> ▪ Local GI Fabricated. Perforated, Gauge: 18 with top cover, bends, Cross etc complete in all respect. (m). For DC & AC Cables 	Per/Meter (as per site Measurement)
10	Earthing and Protection Systems & Lightning Effects	<ul style="list-style-type: none"> ▪ Provision of Complete Earthing & Protection system including installation and commissioning ▪ Provision of lightning arresters including installation and commissioning. 	1 Job
11	252 KW DB Boxes and Safety Equipment etc	<ul style="list-style-type: none"> ▪ Set all other hardwares as per specification, Testing & Commissioning. 	As per Technical Requirement

Supply & Installation of 252KW On-Grid Solar Energy System for Civil Engineering Department

(Bid Form)

Sr. No.	Item Name	Qty.	Unit Rate	Total Price
1	PV Module Specifications	776		
2	Inverter specifications	10		
3	Mounting structure	As per Design & Technical Requirement		
4	DC String Cables	As per actual Site Measurement		
5	AC Cables	As per actual Site Measurement		
6	Online monitoring system and Data Logging System	1 Job		
7	Net Metering Grid Tied Solar System	1 Job		
8	Electrical wiring & Distribution	As per Technical Requirement		
9	Cable Tray	1 Job		
10	Earthing and Protection system & lightning Effects	As per Technical Requirement		
11	252 KW DB Boxes and Safety Equipment etc	As per Technical Requirement		

TOTAL: _____

Total In Words: _____

Company Evaluation Criteria

1. Basic Evaluation

- i. Profile of company (Including Financial Profile)
- ii. List of Previous/Current customers of related Supplies, with contact person and telephone/fax numbers.
- iii. Detailed product design information
- iv. Copy of National Tax Registration Certificate
- v. Copy of Sales Tax Registration Certificate
- vi. Bank letter of financial standing
- vii. An affidavit on Rs 100/- Stamp Paper that currently they are not black listed or de-barred by any Government/Semi-Government Department to participate in bidding and to supply equipment. Failure to submit such affidavit may lead to disqualification.
- viii. Detailed item specifications matched corresponding to the BOQ as given at **Annex 'A'**
- ix. Detailed project implementation schedule/Completion Schedule which includes the delivery of items mentioned in the BOQ
- x. Signed and stamped Tender document

2. Detailed Evaluation

(Minimum Passing Score Required is 65 Points)

TECHNICAL EVALUATION CRITERIA FOR TENDER			
Specifications are available at Annex-A			
Sr. No	Item Name and Description	Marks	Max Marks
1	Past Performance/Experience of the Bidder (Reg. with GST/NTN)	--	10
1.1	1 – 3 year experience	2	--
1.2	4 – 8 year experience	4	--
1.3	9 – 15 years' experience	6	--
1.4	Above 15	10	--
2	Relevant Experience	--	10
2.1	1 – 5 years' experience	3	--
2.2	6 – 10 years' experience	6	--
2.3	11 and above year experience	10	--
3	Financial Position/ Status	--	10
3.1	Last sales tax paid Form	4	--
3.2	Bank Certificate (satisfactory)	2	--
3.3	Statement Worth (Min 2 m)	4	--
4	After sale Services Available	--	10
5	Technical Evaluation of quoted items	--	60
5.1	Specification matched as provided in Annex-A	30	
5.2	Literature in printed shape attached	2.5	
5.3	Reliability	2.5	
5.4	Delivery schedule as per need	5	
5.5	List of clients / where this equipment delivered	5	
5.6	Satisfactory letter from clients in favour of such equipment	5	
5.7	Guarantee / Warranty (as the case may be)	5	
5.8	Provision of training to concerned user	2.5	
5.9	Free Installation (if required) as per requirement	2.5	
Total		--	100