

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



Tender Document

Tender No. Misc-048

**Re-Tender for Supply & Installation of Car Parking Solar
Canopy Shed for Civil Engineering Department**

at

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

TENDER DOCUMENT

TENDER No. Misc-048

Re-Tender for Supply & Installation of Car Parking Solar Canopy Shed for Civil Engineering
Department

at

Khwaja Fareed University of Engineering and Information Technology

TENDER PRICE Rs. 1000/-

Last date of submission: _____

FOR OFFICE USE ONLY

Serial No _____

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 Car Parking Solar Canopy Shed 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** on **03-10-2017**. Technical Proposals will be opened on same day at **01:30 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.

Director Procurement

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

Tel. # 068-5882420

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

Dr. Zaheer Ahmed, Tel. # 068-5882464

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 debarred 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. The quantity of an order may vary depending on the quoted prices and the allocated funds.
- 5.7. The decision of the KFUEIT procurement committee will be binding on all concerned and will in no case be challenged in any forum.
- 5.8. 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.
- 5.9. Delivery period will be 45 days from the date of issuance of purchase order/supply order.
- 5.10. Delivery shall be completed according to the agreed upon schedule.
- 5.11. 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.

- 5.12.** The University will get the item inspected at KFUEIT Rahim Yar Khan and reject the item, if not found according to the stated specifications.
- 5.13.** The University reserves the right to claim compensation for the losses caused by delay in the delivery of equipment.
- 5.14.** It is the sole responsibility of the bidder to comply with local, national and international laws.
- 5.15.** 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.
- 5.16.** All the proposals submitted will become the property of the University.
- 5.17.** 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.
- 5.18.** 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.
- 5.19.** 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.
- 5.20. Amendment of Proposal Documents:**
- a) At any time prior to the deadline for submission of proposals, KFUEIT may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective company, modify the tender documents by amendment.
 - b) The amendment will be notified in writing to all prospective companies who have received the tender documents and will be binding on them. The amendment, once noticed, shall become part of tender documents.
 - c) In order to afford prospective companies reasonable time in which to take the amendment into account in preparing their proposals, KFUEIT may at its discretion, extend the deadline for the submission of proposals.

5.21. KFUEIT's Right to Accept / Reject Any or All the Proposals

KFUEIT reserves the right to accept or reject any or all proposals without assigning any reason or having to owe any explanation whatsoever at any time prior to award of Contract/Purchase Order, thereby incurring no liability to the affected company or companies or any obligation to inform the affected company or companies.

KFUEIT may also reject offers in case:

- The offer is received after the closing date & time,
- The offer is incomplete and not responsive to tender documents
- The offer is not technically qualified.

The vendor will be required to keep liaison with the Procurement Department.

5.22. General Terms and Conditions:

- a. KFUEIT reserves the right to call in further details of any or part of this Tender Document.
- c. Terms and condition submitted by the vendor with their proposals will only be valid and applicable, if agreed by KFUEIT. The purchase order issued by KFUEIT will supersede all the terms and conditions of vendor proposal.
- d. Vendors who are insolvent or have filed for bankruptcy are prohibited from participation in the bid.
- e. 100% Payment will be made after delivery upon submission of invoices and necessary documents within 4 weeks' time after receipt.

6. Tender Evaluation Criteria

All bids shall be evaluated on technical and financial merit. The company which fulfills the basic evaluation criteria will qualify for detailed technical evaluation. 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

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 Car Parking Solar Canopy Shed for Civil Engineering Department

(Solar System BOQ)

Sr. No	Item Name	Specifications/Minimum Requirements	UOM	Qty.
1	Inverter	i. SMA or equivalent or better ii. Grid Tie 25KW each iii. 5 years warranty	Nos.	04
2	PV Panels	i. Poly 320 watt Each (JA Solar / Tesla/ Canadian Solar equivalent/Better) ii. Cell Efficiency minimum 16.5% or better iii. 25 years standard warranty	Watts	100000
3	Materials Breakers	i. Per unit rate to be provided ii. As per Design	No.	01
4	DB Panels	i. Per unit rate to be provided ii. As per Design	No.	01
5	Cables	i. 4 core 25mm fast/Pakistan cables/new age or equivalent or better	meters	As per actual measurement
		ii. 4 core 150mm fast/Pakistan cables/new age or equivalent or better	meters	As per actual measurement
6	Other Accessories	i. As per Design ii. Lumpsum	No.	As per actual requirement
7	Civil Work for the Solar Panels structure & fabrication items like bolts, pads, Angle iron	i. As per Design provided and Install by vendor ii. Lump sump	Nos.	As per actual measurement
08	Cluster controller	i. SMA or equivalent compatible with item no 01 for Monitoring purpose at lan (Internet connection required for remote monitoring)	Nos.	01
09	Red Oxide, color coating	i. As per Design provided and Install by vendor	Nos.	As per actual measurement
10	Cleaning Setup	Cleaning setup for Carshed inclusive but not limited to i. Flexible piping to reach each end of structure	No.	01

		ii. MS rust proof specially designed scaffold (with wheels) approved iii. All PPE's required for cleaning at given height iv. Long range wipers v. Anti-scratch cleaning agent for bird droppings vi. Complete in all respect		
11	Other thing required for the Installation	vii. As per Design provided and Install by vendor viii. Rate per Unit ix. Lump sump	No.	As per actual measurement

(Structure & Fabrication BOQ)

Sr. No.	Description	Unit	Qty.	Weight/Unit	Total Weight (Kgs.)
1	Anchor Bolt MS Dia. 20mm x 570 Long.	Nos.	42	3.3	138.6
2	Plate MS 506 x 200 x 16mm Thk.	Nos.	7	18	126
3	Plate MS 150 x 1505 x 8mm Thk	Nos.	7	21	147
4	Plate MS 150 x 204 x 8mm Thk	Nos.	7	4.3	30.1
5	Plate MS 150 x 2783 x 8mm Thk.	Nos.	7	34.3	240.1
6	Plate MS 500 x 2450 x 4mm Thk.	Nos.	7	45.6	319.2
7	Plate MS 489 x 2450 x 4mm Thk.	Nos.	7	51.6	361.2
8	Plate MS 150 x 5076 x 8mm Thk.	Nos.	7	57.8	404.6
9	Plate MS 200 x 2655 x 6mm Thk.	Nos.	7	32.6	228.2
10	Plate MS 200 x 2655 x 8mm Thk.	Nos.	14	39.9	558.6
11	Stiffner Plates 150 x 75 x 8mm Thk.	Nos.	56	2.4	134.4
	Supporting Plates 200 x 75 x 8mm Thk.	Nos.	28	2.4	67.2
12	C-Channel 160 x 206 x 5mm Thk.	Rft.	825	3.3	2722.5
13	Bolt Hex Head M16 x 60mm Long.	Nos.	56	0.6	33.6
Total for Mechanical Structure (A)					5511.3
Sr. No.	Description	Unit	Qty		
1	Civil Foundation for Mechanical Structure	Nos.	7		

Supply & Installation of Car Parking Solar Canopy Shed for Civil Engineering Department

(Bid Form)

Sr. No.	Item Name	Qty.	Unit Rate	Total Price (inclusive of all taxes, and Shipment charges)
1	Inverter	04		
2	PV Panels	100000		
3	Materials Breakers	01		
4	DB Panels	01		
5	Cables	As per actual measurement		
		As per actual measurement		
6	Other Accessories	As per actual measurement		
7	Civil Work for the Solar Panels structure & fabrication items like bolts, pads, Angle iron	As per actual requirement		
08	Cluster controller	01		
09	Red Oxide, color coating	As per actual requirement		
10	Cleaning Setup	01		

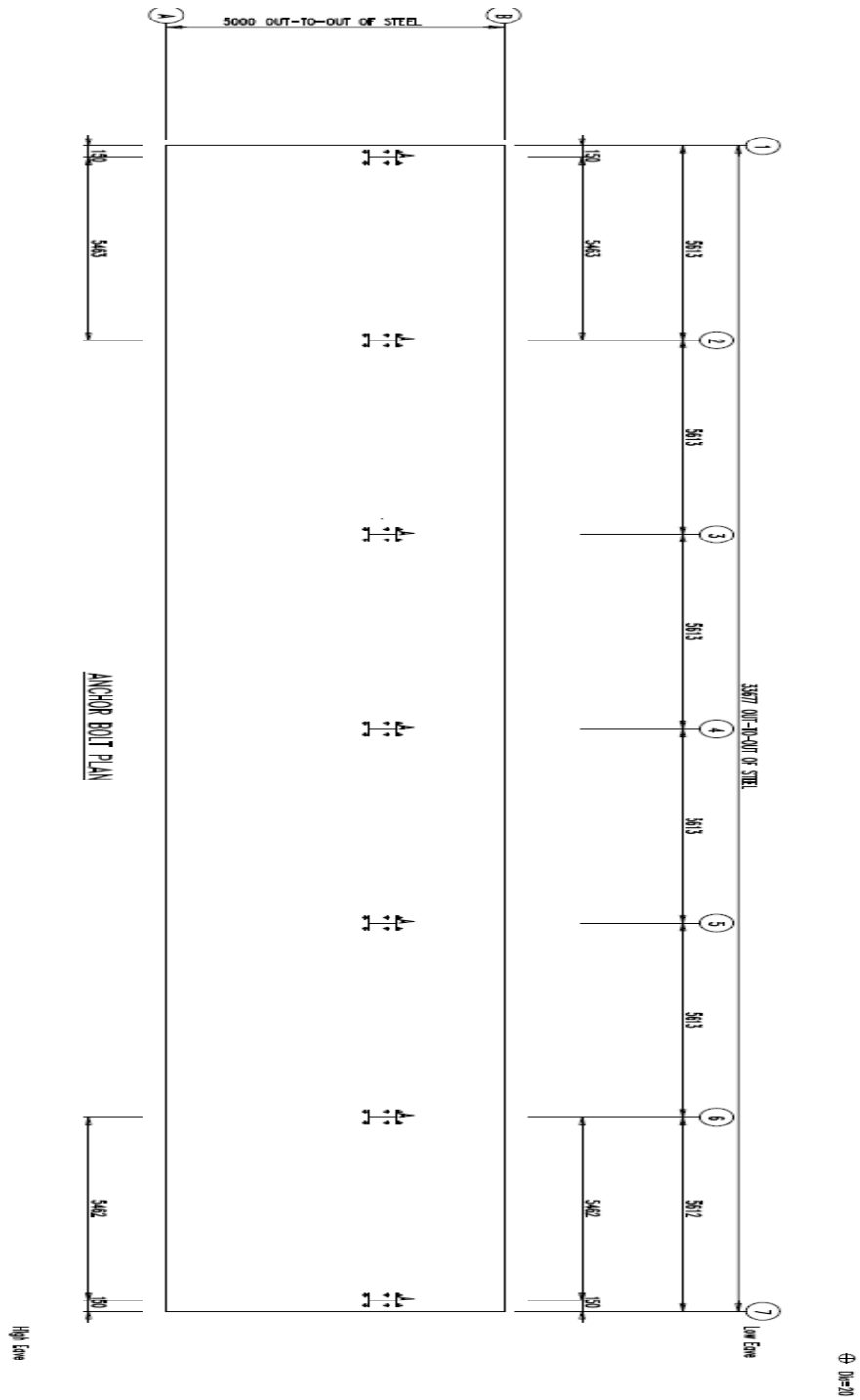
Sr. No.	Item Name	Qty.	Unit Rate	Total Price (inclusive of all taxes, and Shipment charges)
11	Other thing required for the Installation	As per actual requirement		

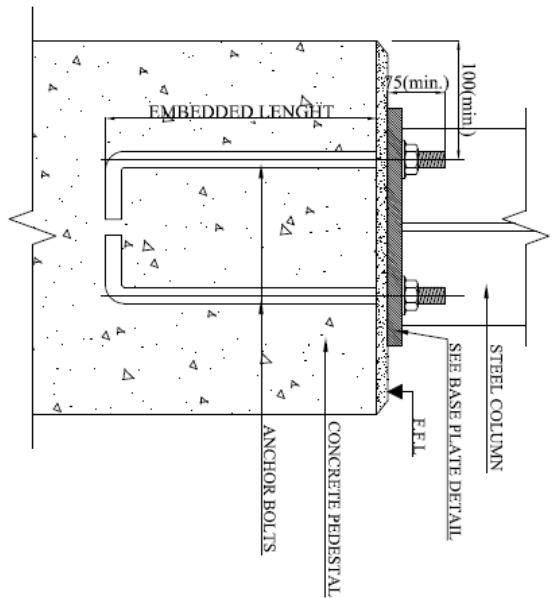
Total for Solar System BOQ (A): _____

Sr. No.	Description	Unit	Qty.	Weight/Unit	Total Weight (Kgs.)	Rate per Kgs.	Total Amount (inclusive of all taxes, and Shipment charges)
1	Anchor Bolt MS Dia. 20mm x 570 Long.	Nos.	42	3.3	138.6		
2	Plate MS 506 x 200 x 16mm Thk.	Nos.	7	18	126		
3	Plate MS 150 x 1505 x 8mm Thk	Nos.	7	21	147		
4	Plate MS 150 x 204 x 8mm Thk	Nos.	7	4.3	30.1		
5	Plate MS 150 x 2783 x 8mm Thk.	Nos.	7	34.3	240.1		
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7	Plate MS 489 x 2450 x 4mm Thk.	Nos.	7	51.6	361.2		
8	Plate MS 150 x 5076 x 8mm Thk.	Nos.	7	57.8	404.6		
9	Plate MS 200 x 2655 x 6mm Thk.	Nos.	7	32.6	228.2		
10	Plate MS 200 x 2655 x 8mm Thk.	Nos.	14	39.9	558.6		
11	Stiffner Plates 150 x 75 x 8mm Thk.	Nos.	56	2.4	134.4		
	Supporting Plates 200 x 75 x 8mm Thk.	Nos.	28	2.4	67.2		
12	C-Channel 160 x 206 x 5mm Thk.	Rft.	825	3.3	2722.5		

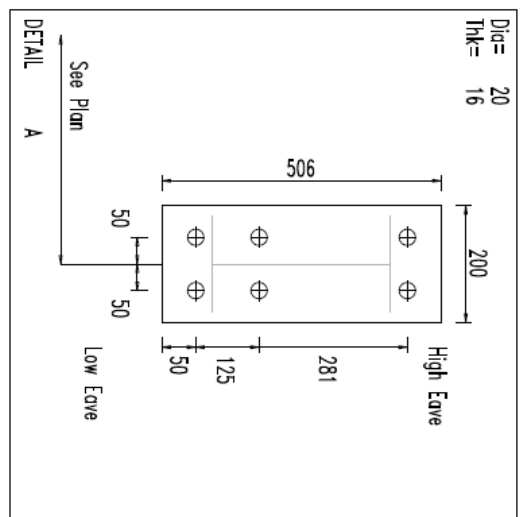
13	Bolt Hex Head M16 x 60mm Long.	Nos.	56	0.6	33.6		
Total for Mechanical Structure (B)					5511.3		
1	Civil Foundation for Mechanical Structure	Nos.			7		
Total Amount for Civil Foundation (C)							
Total Amount (A+B+C) of 25 KW Structure							
Total Amount for 100 KW Car Parking Shed							

Drawings



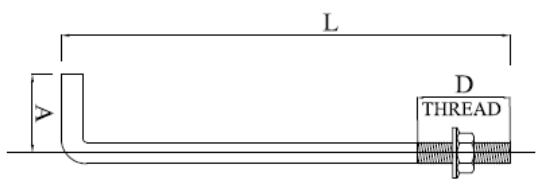


TYPICAL SECTION FOR ANCHOR BOLT



ANCHOR BOLT SCHEDULE

S.NO.	DIA (mm)	L (mm)	A (mm)	D (mm)	TOTAL LENGTH (mm)
01	16	450	120	125	570
02	20	500	175	150	675
03	24	750	205	150	955
04	30	850	265	200	1115
05	36	1050	295	200	1345



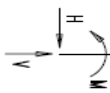
Width (mm) = 5000
 Length (mm) = 33677
 Eave Height (mm) = 3000 / 3883
 Roof Slope (rise / 100) = 18
 Dead Load (kN/m²) = 0.10
 Collateral load (kN/m²) = 0.25
 Live Load (kN/m²) = 0.60
 Wind Speed (m/s) = 37.0

BUILDING BRACING REACTIONS

Loc	Wall Line	Col Line	± Reactions(kN)		Panel Shear (N/m)		Note
			Wind	Seismic	Wind	Seis	
			Horz	Vert	Horz	Vert	
L_EW	1						(h)
F_SW	A						66 38
R_EW	7						(h)
B_SW	B						56 36

(h) Rigid frame of endwall

FRAME LINES: 1 2 3 4 5 6 7



RIGID FRAME:

BASIC COLUMN REACTIONS (kN,kN-m)

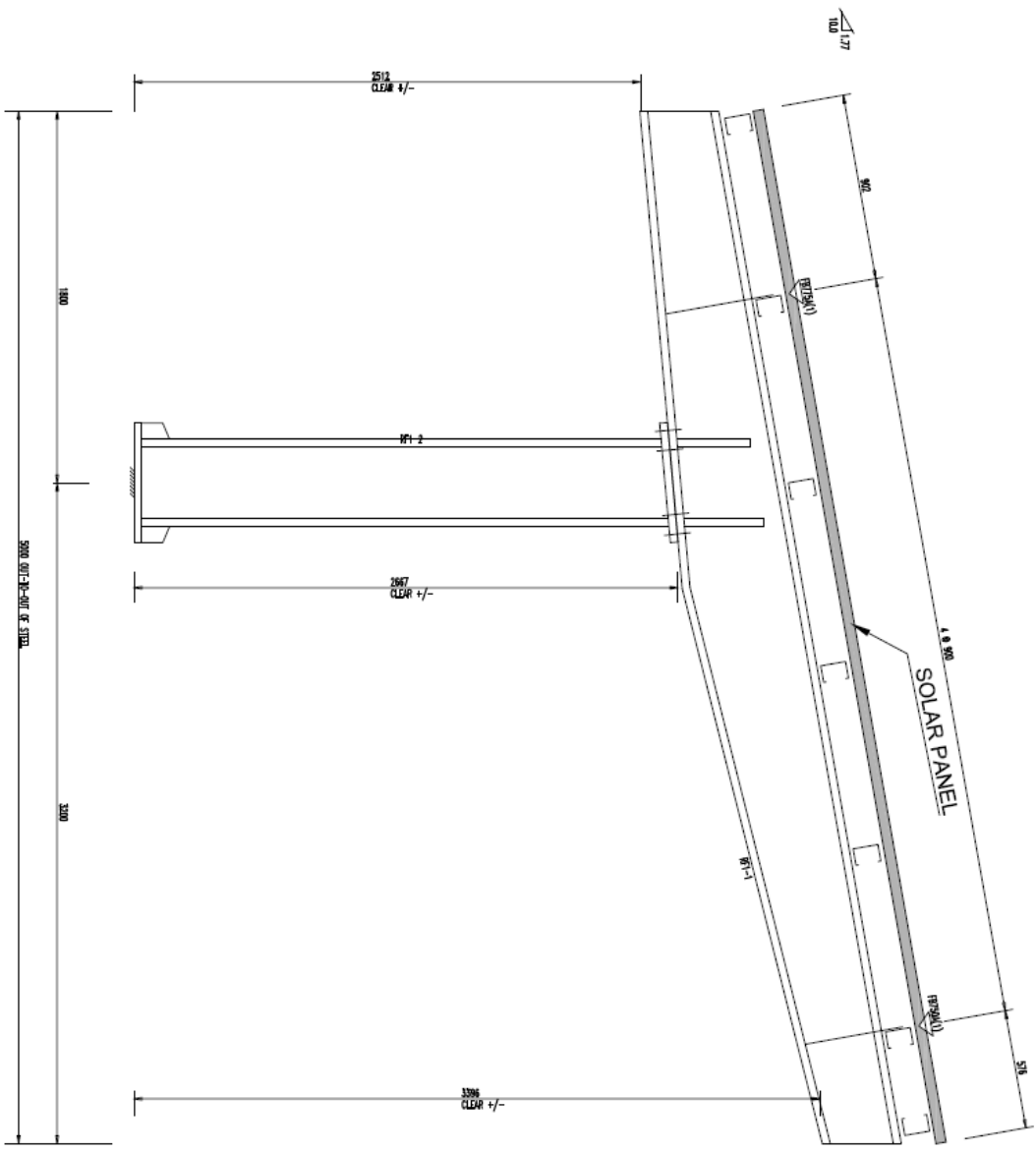
Frame Column Line	Dead		Collateral		Live		Wind Right	
Line	Horz	Vert	Mom	Horz	Vert	Mom	Horz	Vert
1*	0.0	5.5	3.31	0.0	7.1	5.34	0.0	16.9
								12.62
							2.7	-15.1
								-15.97
Frame Column Line	Wind Left		Wind Right		Wind Long1		Wind Long2	
Line	Horz	Vert	Mom	Horz	Vert	Mom	Horz	Vert
1*	-0.7	3.8	-4.63	2.7	-15.3	-28.26	2.5	-14.3
								-18.49
							-1.1	6.0
								7.80
Frame Column Line	Seismic Left		Seismic Right		Wind Long1		Wind Long2	
Line	Horz	Vert	Mom	Horz	Vert	Mom	Horz	Vert
1*	-0.8	0.0	2.62	0.8	0.0	-2.62		

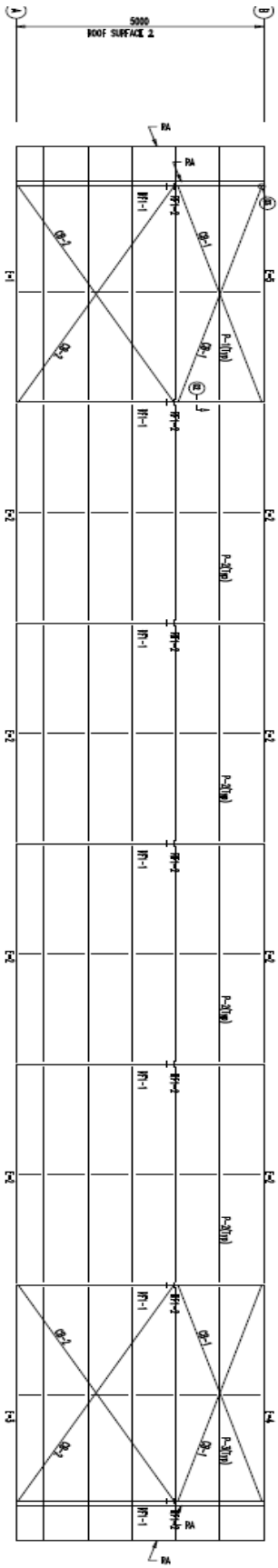
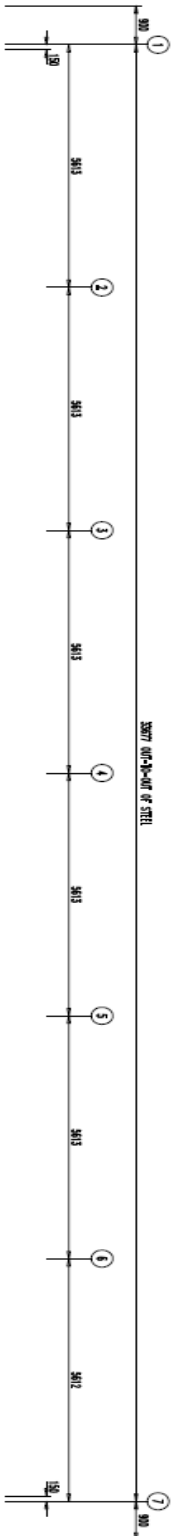
1* Frame lines: 1 2 3 4 5 6 7

CAP PLATE BOLTS				
Mark	Qty	Type	Dia	Length
RF-2	8	GR.8	16	60

▽ FLANGE BRACES: Both Sides(U.N.)
 (Back(U) : x=Height(mm)
 A - 135x5

MARK	Web Flange		Web Flange		Outside Flange		Inside Flange	
	Start/End	Thick	Length	W/Thk X Length	W/Thk X Length	W/Thk X Length	W/Thk X Length	
RF-1	350 / 409	4	2430	150 X 8 X 307/6	2430	150 X 8 X 153/3	150 X 8 X 153/3	
RF-2	409 / 350	4	2681	200 X 8 X 307/6	2681	150 X 8 X 27/5	150 X 8 X 27/5	





MEMBER TABLE		LENGTH
ROOF PLAN		
MARK	PART	
P-1	160c206	6508
P-2	160c207	5603
P-3	160c206	6507
E-1	160c206	6508
E-2	160c206	5603
E-3	160c206	6507
E-4	160c206	6507
E-5	160c206	6508
OP-1	SP-1	5775
OP-2	SP-1	6305

Company Evaluation Criteria

1. Basic Evaluation

The following Knock out clauses will be evaluated to qualify for detailed technical evaluation

- i. Profile of company (Including Financial Profile)
- ii. Vendor/Bidder should have at least 100 KW and above Projects in projects Experience.
- iii. List of Previous/Current customers of related Supplies, with contact person and telephone/fax numbers of the End-user/Customer so that the projects would be verify.
- iv. Vendor/Bidder Should have Strong Services Structure across the Pakistan especially for KFUEIT.
- v. Vendor/Bidder have to mention the exact services Support structure for this Project.
- vi. Vendor/Bidder should have the PEC registration under category of C-3 and above.
- vii. Detailed product design information
- viii. Copy of National Tax Registration Certificate
- ix. Copy of Sales Tax Registration Certificate
- x. Bank letter of financial standing/Bank Statement
- xi. An affidavit on Rs 100/- Stamp Paper that currently they are not black listed or debarred by any Government/Semi-Government Department to participate in bidding and to supply equipment. Failure to submit such affidavit may lead to disqualification.
- xii. Detailed item specifications matched corresponding to the BOQ as given at **Annex 'A'**
- xiii. Detailed project implementation schedule/Completion Schedule which includes the delivery of items mentioned in the BOQ
- xiv. Signed and stamped Tender document
- xv. Distribution letter

2. Detailed Evaluation

(Minimum Passing Score Required is 65 Points
for Qualifying for financial opening)

TECHNICAL EVALUATION CRITERIA FOR TENDER NO#048			
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	Specific Experience Parking Shed	--	10
2.1	If the Solar Parking Shed had capacity of 100KW	10	--
2.2	If the Solar Parking Shed had capacity of 75KW	8	--
2.3	If the Solar Parking Shed had capacity of 50KW	6	--
2.4	If the Solar Parking Shed had capacity of 30KW	4	--
2.5	If Solar Parking Shed less than 30KW	2	--
3	Relevant Experience 100 KW or above	--	20
3.1	More than 6 solar projects	20	--
3.2	5-6 solar projects	15	--
3.3	3-4 Solar projects	10	--
3.4	1-2 Solar projects	05	--
4	Financial Position/ Status	--	10
4.1	Last sales tax paid Form	4	--
4.2	Bank Certificate (satisfactory)	2	--
4.3	Statement Worth (Min 2 m)	4	--
5	After sale Services Available	--	10
6	Sole Distributor/Distribution License	--	10
7	Technical Evaluation of quoted items	--	30
7.1	Specification matched as provided in Annex-A	5	--
7.2	Literature in printed shape attached	2.5	--
7.3	Reliability	2.5	--
7.4	Delivery schedule as per need	2.5	--
7.5	List of clients / where this equipment delivered	2.5	--
7.6	Satisfactory letter from clients in favour of such equipment	5	--
7.7	Guarantee / Warranty (as the case may be)	5	--
7.8	Provision of training to concerned user	2.5	--
7.9	Free Installation (if required) as per requirement	2.5	--
Total		--	100