

TENDER NOTICE

No. EA/02-34-2023

For Providing of Solar Sites Solution

1. Bids are invited from potential Companies for Providing Optic Fiber in Afghanistan as per RFP Annexure. This bid Document is also available in Etisalat website (www.etisalat.af, Tenders).

2. RFP Deadline is 25-June-2023 Afghanistan time. The bids shall be submitted through email (ashalizi@etisalat.af) and marked clearly with **RFP name, number**.

3. Bid received after the above deadline shall not be accepted.

4. Local and international firms can send their offer via email to ashalizi@etisalat.af and copy lhsanullah@etisalat.af.

5. Etisalat Afghanistan reserves the right to accept or reject any or all bids and to annul the bidding process at any time, without thereby incurring any liability to the affected bidder(s) or any obligations to inform the affected bidder(s) of the grounds for Etisalat Afghanistan action.

6. The bidder shall submit proposal with separate (Technical and Commercial) parts. The commercial part must be password protected document and we will request the password once here the concerned committee opened bids (start bid's Commercial evaluation). The bids shall be first evaluated technically. Technical evaluation will be based on the conformity to required technical specifications and compliance matrix

specified in the Bidding Documents. Only technically compliant bids which meet all the mandatory service effecting requirements will be evaluated commercially.

7. Bidder should be registered with Etisalat Afghanistan in Vendor Registration List. If any interested bidder **is not registered**, first they should fill the attached Vendor Registration Form and provide following documents before tender deadline and submission of bid. Bidder's offer will not be considered without registration process.

- 1- Company Profile
- 2- Business License
- 3- President and Vice President ID Cards/Tazkira Copies
- 4- Article of Association (اساس نامه)
3. Past Performance:

Firm must describe past performance on similar public and or private agency contracts, including past performance on similar works for any other telecom company.

8. All correspondence on the subject may address to Ahmad Shikib Shalizi, Specialist Procurement, and Etisalat Afghanistan. Email ashalizi@etisalat.af and Phone No. +93781 204 040.

Ihsanullah Zirak

Director Procurement and Contracts

Ihsan Plaza, Shar-e-Naw, Kabul, Etisalat

Afghanistan

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Request for Proposal

(RFP)

For

**Providing Solar Sites Solution for
Etisalat Afghanistan**



1. DEFINITIONS

In this document, the following terms and meanings shall be interpreted as indicated:

1.1 Terms.

"Acceptance Test(s)" means the test(s) specified in the Technical Specifications to be carried out to ascertain whether the Goods, Equipment, System, Material, Items or a specified part thereof is able to attain the Performance Level specified in the Technical Specifications in accordance with the provisions of the Contract.

"Acceptance Test Procedures" means test procedures specified in the technical specifications and/or by the supplier and approved by EA as it is or with modifications.

"Approved" or "approval" means approved in writing.

"BoQ " stands for Bill of Quantities of each job/work as mentioned in this contract and its annexes according to which the contractor shall supply equipment & services and subject to change by agreement of both parties.

"Bidding" means a formal procurement procedure under which sealed bids are invited, received, opened, examined and evaluated for the purpose of awarding a contract.

"Bid/Tender Document" means the Bid/Tender documents issued by EA for invitation of Bids/Offer along with subsequent amendments and clarifications.

"CIF" means "Cost Insurance Freight" as specified in INCOTERM 2010.

"Competent Authority" means the staff or functionary authorized by EA to deal finally with the matter in issue.

"Completion Date" means the date by which the Contractor is required to complete the Contract.

"Country of Origin" means the countries and territories eligible under the rules elaborated in the "Instruction to Bidders".

"Contract" means the Contract between Etisalat Afghanistan (EA) and the Contractor and comprising documents.

"Contractor" means the individual or firm(s) ultimately responsible for supplying all the Goods/Equipment/Systems/Material/Items on time and to cost under this contract to EA.

“Contractor’s Representative” means the person nominated by the contractor and named as such in the contract and approved by EA in the manner provided in the contract.

“Contract Documents” means the documents listed in Article (Contract Documents) of the Form of Contract (including any amendments thereto) or in any other article in this contract.

“Contract Price” means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.

“Day” means calendar day of the Gregorian calendar.

“Delivery charges” means local transportation, handling, insurance and other charges incidental to the delivery of Goods to their final destination.

“D.D.P” means Delivered Duty Paid as defined in the Incoterms 2010 including the unloading responsibility of bidder/seller.

“Effective Date” means the date the Contract shall take effect as mentioned in the Contract.

“Etisalat Afghanistan (EA)” means the company registered under the Laws of Islamic republic of Afghanistan and having office at Ihsan Plaza Charahi Shaheed Kabul in person or any person duly authorised by it for the specific purpose for the specific task within the Contract and notified to contractor in writing.

“Final Acceptance Certificate” means the certificate issued by EA after successful completion of warranty and removal of defects as intimated by EA.

“Force Majeure” means Acts of God, Government restrictions, financial hardships, war and hostilities, invasion, act of foreign enemies, rebellion, revolution, riot, industrial disputes, commotion, natural disasters and other similar risks that are outside of Contractor's and EA's control.

“Goods Receipt Certificate” means certificate issued by the consignee certifying receipt of Goods in good order and condition.

“Liquidated Damages” mean the monetary damages imposed upon the contractor and the money payable to EA by the contractor on account of late delivery of the whole or part of the Goods.

“L.o.A” means Letter of Award issued by EA to successful bidder with regard to the award of

tender.

"Month" means calendar month of the Gregorian calendar.

"Offer" means the quotation/bid and all subsequent clarifications submitted by the Bidder and accepted by EA in response to and in relation with the Bid Documents.

"Origin" means the place where the Goods are mined, grown or produced from which the ancillary services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

"EA's Representative" shall mean the representative to be appointed by EA to act for and on behalf of EA with respect to this Contract.

"Specifications" means the specifications, provided in the Contract and its annexure and in EA Tender Specifications and where the Contract is silent and in cases of conflicting specifications appearing in the documents, based on the latest version of ITU-T recommendations.

"Supplier/Vendor" (used interchangeably) means the individual or firm ultimately responsible for supplying all the Goods on time and to cost under this Contract acting individually alone or as a "prime contractor" for a consortium.

"Supplier's Representative" means the person nominated by the Contractor and named as such in the Contract and approved by EA in the manner provided in the Contract.

"Warranty Period" shall mean the period of 12 months or any extended period starting from the acceptance of the delivered Goods in good order and conditions at consignee's certified by EA authorized representative (s).

2. INTRODUCTION TO WORK.

2.1 Bids are invited for Providing Solar Sites for Etisalat Afghanistan in accordance with Etisalat specifications as per Annexure A.

2.2 New Solar Sites Technical Details & Prices is attached as excel sheet. Please provide your offer/prices as per attached sheet and fill the technical questions.

3. Bill of Quantity (BoQ)

As per Annexure –A

4. Validity of Offers

The Tenders must be valid for a minimum of 90 days from the Tender closing date, or as may be specified by Purchaser in the Tender documents.

5. Price and Payment Term

5.1 Payment shall be made by bank transfer after receipt of original Hardcopy of invoice.

5.2 Advance payment will be not made to contractor.

5.3 EA shall make prompt payment, within thirty days of submission of an invoice/claim by the contractor subject to availability of prerequisite documents specified under the contract and adjustment of penalty (if any) on account of late delivery and/or defective Goods replacement after confirmation from Project Director.

5.4 Payments are subject to deduction of income tax at prevalent rate from the relevant invoices of the contractor and paid to the Tax Authorities, except those especially exempted by the authorities. EA will issue certificate of deductions to the contractor to enable him to settle tax returns with the concerned authorities.

5.5 Payments against the entire contract will be made by EA based on the contractor's ability to meet payment milestones as defined in the Bid Documents in the following manner.

5.5.1 For Supply of Equipment (Hardware & Software);

5.5.1.1 EA will make payment equal to 50% of the amount of equipment on arrival of Equipment at site of installation and certification by EA Project Director/Manager of their receipt in good condition.

5.5.1.2 Balance 50% of the amount of equipment will be paid on issuance of RFS for complete system area in individual city.

5.5.2 For Installation, Testing, Commissioning and Professional Services.

5.5.2.1 EA will make payment equal to 75% of amount of Services cost when equipment is offered for Acceptance Testing in individual city.

5.5.2.2 Balance 25% of the amount of Services cost will be made at the time of issuance of final PAC for complete system in individual city.

5.5.3 For System Support and Maintenance Services.

5.5.3.1 EA will make payment on quarterly basis at end of each quarter, after support/service delivered.

7. Penalty:

7.1 If the contractor fails to complete the said job on or before the Completion Date, the Contractor shall pay to the Purchaser as and by way of Penalty resulting from the delay, the aggregate sum of one percent (1%) of Total Contract price of the delayed services for each week and pro-rata for parts of week, for delay beyond the specified date, subject to a maximum of ten percent (10%) of the Total Contract Price of the service(s). In the event that delay is only in respect of small items which do not affect the effective utilization of the system, penalty shall be chargeable only on the value of such delayed items.

7.2 Any penalty chargeable to the Contractor shall be deducted from the invoice amounts submitted by the Contractor for payment, without prejudice to the Purchaser's rights.

8. Construction of Contract:

The Contract shall be deemed to have been concluded in the Islamic Republic of Afghanistan and shall be governed by and construed in accordance with Islamic Republic Afghanistan Law.

9. Termination of the Contract

9.1 If during the course of the Contract, the Contractor shall be in breach of the Contract and the Purchaser shall so inform the Contractor by notice in writing, and should the breach continue for more than seven days (or such longer period as may be specified by the Purchaser) after such notice then the Purchaser may immediately terminate the Contract by notice in writing to the Contractor.

9.2 Upon termination of the Contract the Purchaser may at his option continue work either by himself or by sub-contracting to a third party. The Contractor shall if so required by the Purchaser within 14 days of the date of termination assign to the Purchaser without payment the benefit to any agreement for services and/or the execution of any work for the purposes of this Contract. In the event of the services/jobs being completed and ready for utilization by the Purchaser or a third party and the total cost incurred by the Purchaser in so completing the required services/jobs being greater than which would have been incurred had the Contract not been terminated then the Contractor shall pay such excess to the Purchaser.

9.3 The Contractor shall not have the right to terminate or abandon the Contract except for reasons of force majeure.

10. Local Taxes, Dues and Levies:

10.1 The Contractor shall be responsible for all government related taxes, dues and levies, including personal income tax, which may be payable in the Afghanistan or elsewhere.

10.2 Withholding tax (if applicable) shall be deducted on local portion only as per prevailing rates as notified Islamic republic of Afghanistan. The amount of withholding Tax(s) is 2% of all project cost for local/registered companies who have Afghanistan Government Official Work License and 7% for International/nonregistered companies.

Annexure-A

Part A: (Scope of Work) for Solar Sites Solution

- 1: Complete integration with DG, Backup & Solar System via smart control, bidder be able to connect existing one, two or 3 string (100 or 150-AH) batteries without outage of site while changing b/w Solar and DG where backup would be low
- 2: Bidder design & calculation must accompany with each site solutions
3. The design and implementation must meet telecom sites need
4. The design and material detail of a standard frame would have drawing, material type, size & color with all details, Per EA Defined Specs
5. PV Panels, Batteries, Charge Controllers etc. all must have Technical Specs sheet
6. Charge Controller input voltage range must be high so that DG start signal should be based on PV input voltage not battery voltage
7. Bidder has to design & implement all new installation of Solar Sites as per Technical Standards of Manufacturer & EA Telecom Sites need
8. Bidder must have expert staff handling with vast experience and should implement as per standard design and calculation
9. Bidder will Test the capacity on standard testing tools
10. Bidder must meet the contractual capacity of EA during the test
11. Bidder would be liable to meet EA agreed PIP
12. Bidder will do SSG power connectivity with Low Consumption DC System only for his room
13. Bidder must meet high standard of workmanship and resources to meet sites standard quality need
14. The designed solar system must give max. power output time starting from early sunrise to late sun-down.

Solar Sites:

S.No.	Region	Province	SiteCode	DG1 Capacity (KVA)	DG2 Capacity (KVA)	Rectifier Brand	No. Rectifiers	Rectifier Capacity (A)	DC Load (A)	Space for Solar inside of site yes/no	Existing space dimension in (M2)	Space for Solar outside of site yes/no	Outside Dimension in (M2)	obstacle/shadow to the sunlight yes/no	Selection	Remarks
1	HRT	FRH	FRH002	GEP9	GEP9	ZTE	1	120A	40	yes	5x5m	yes	yes	no	Solar	we have space inside of site
2	HRT	FRH	FRH005	GEP22	GEP22	ZTE	1	150A	40	yes	4x5m	yes	yes	no	Solar	we have space inside of site
3	HRT	FRH	FRH008	CAT22	CAT22	ZTE	1	120A	20	yes	5x5m	yes	yes	no	Solar	we have space inside of site
4	HRT	FRH	FRH010	GEP9	GEP9	ZTE	1	120A	20	yes	5x5m	yes	yes	no	Solar	we have space inside of site
5	HRT	FRH	FRH012	GEP9	GEP9	ZTE	1	120A	19	yes	3x5m	yes	yes	no	Solar	we have space inside of site
6	HRT	FRH	FRH016	GEP22	GEP22	ZTE	1	120	19	yes	3x5m	yes	yes	no	Solar	we have space inside of site
7	HRT	BDS	BDS006	GEP09	GEP09	Huawei	1	90A	20	yes	4x4m	yes	yes	223qrt	Solar	we have space inside of site
8	HRT	BDS	BDS008	GEP22	GEP22	Huawei	1	90Am	20	yes	5x5m	yes	yes	no	Solar	we have space inside of site
9	HRT	HRT	HRT135	GEP13	GEP13	Huawei	1	90Am	22	yes	3x4m	yes	yes	no	Solar	we have space inside of site
10	HRT	HRT	HRT116	GEP13	GEP13	Huawei	1	90Am	35	yes	4x4	yes	yes	no	Solar	we have space inside of site
11	East	Laghman	LGM001	GEP22	GEP22	ZXDU68	1	120A	50	yes	3x4m	yes		no	Solar	we have space inside of site
12	East	Laghman	LGM002	GEP22	GEP22	ZXDU68	1	120A	50	yes	4x5m	yes		no	Solar	we have space inside of site
13	East	Laghman	LGM015	GEP13	GEP13	ZXDU68	1	120A	30	yes	3x4m	yes		no	Solar	we have space inside of site
14	East	Nangarhar	RPT_KNR009	GEP22	GEP22	ZXDU68 W201 V5.0	1	225A	21	yes	3x4m	yes	yes	no	Solar	
15	East	Kunar	KNR012	GEP13	GEP13	ZXDU58 B121	2	300A	21+18	yes	4x4	yes	yes	no	Solar	
16	Central	Nangarhar	NGR005	GEP09	GEP09	ZXDU68 W201	1	120A	28	yes	3x3m	yes	yes	no	Solar	
17	Northeast	Baghlan	BGL030	GEP22	0	Huawei	1	90	42	Yes	20			No	Solar	Currently ACB installed but due to BB is faulty DG is running also 24/7
18	Northeast	Kunduz	QDZ046	GEP13	13Kva	HW	1	90A	38	No	0	Yes	100	No	Solar	Residential houses around site area
19	Northeast	Kunduz	QDZ050	GEP09	9Kva	HW	1	90A	30	No	0	Yes	100	No	Solar	Space available out of site
20	Northeast	Kunduz	QDZ060	GEP22	22Kva	HW	1	90A	28.41	No	0	Yes	100	No	Solar	Currently ACB installed but due to BB is faulty DG is running 24/7
21	Northeast	Kunduz	RPT_QDZ001	GEP22	22Kva	ZTE	1	200A	10	No	0	Yes	100	No	Solar	Outside the site SP foundation is available, before there was SP but removed
22	Northeast	Badakhshan	BDK005	GEP13	13Kva	Huawei	3	90	53	No	0	Yes	100	No	Solar	Roof top site and the space is available and should discuss with land owner
23	Northeast	Badakhshan	BDK006	GEP13	13Kva	Huawei	3	90	58	No	0	Yes	100	No	Solar	The land we mention for SP is an agricultural land
24	Northeast	Badakhshan	BDK022	GEP13	13Kva	NIAN	1	120	15	No	0	Yes	100	No	Solar	The land we mention for SP is an agricultural land
25	Northeast	Takhar	TKH035	GEP22	22Kva	HW	1	120	14	Yes	18	No	0	No	Solar	Space available in site as mentioned but out of site space is not available due to city
26	Northeast	Takhar	RPT_TKH002	GEP22	22Kva	ZTE	2	120	12	No	0	Yes	100	No	Solar	Space available out of site
27	Northeast	Takhar	TKH044	GEP22	22Kva	HW+ZTE	2	120	17	No	0	Yes	100	No	Solar	Space available out of site
28	South	Kandahar	QDH006	GEP22	GEP22	ZTE	1	120	23.6	Yes	4*4	No	No	No	Solar	
29	South	Kandahar	QDH014	RID-20KVA	RID-20KVA	ZTE	1	120	32	Yes	4*4	Yes	6*8	No	Solar	

30	South	Kandahar	QDH015	RID-20KVA	RID	ZTE	1	120	53	Yes	6*4	No	No	No	Solar	
31	South	Kandahar	QDH063	RID-20KVA	RID	ZTE	1	120	35	Yes	4*6	No	No	No	Solar	
32	South	Kandahar	QDH042	GEP22	GEP22	ZTE	1	120	22	No	No	Yes	5*5	No	Solar	
33	South	Kandahar	QDH098	GEP22	GEP22	ZTE	1	225	38	Yes	14*6	No	No	No	Solar	
34	South	Nimroz	NMZ004	GEP13	GEP09	ZTE	1	120	44	Yes	6*3	Yes	10*10	No	Solar	
35	South	Nimroz	NMZ005	GEP13	GEP13	ZTE+HW	2	120+200	41	Yes	7*3	Yes	5*5	No	Solar	
36	South	Nimroz	NMZ006	GEP13	GEP09	ZTE	2	120	42	Yes	8*3	Yes	10*10	No	Solar	
37	South	Nimroz	NMZ009	GEP09	GEP09	ZTE+HW	2	120+200	40	Yes	6*3	Yes	5*5	No	Solar	
38	South	Nimroz	NMZ010	GEP13	GEP13	ZTE	2	120	44	Yes	6*3	Yes	10*10	No	Solar	
39	South	Helmand	HLM021	T22	GEP09	ZTE	1	200	32	Yes	4*3	No	No	No	Solar	
40	South	Hemand	HLM063	GEP09	GEP09	ZTE	1	336	47.6	Yes	3*6	Yes	10*10	No	Solar	
41	South	Kandahar	QDH017	GEP22	GEP22	ZTE	3	45+120	46	No	No	Yes	10*10	No	Solar	
42	North	Faryab	BDS014	GEP09	GEP9KVA	HUAWEI	2	168	27	YES				No	Solar	
43	North	Faryab	BDS015	GEP09	GEP9KVA	HUAWEI	2	168	49	YES				No	Solar	
44	North	Balkh	BKH005	GEP22	GEP-22KVA	HUAWEI	4	168	55					No	Solar	
45	North	Balkh	BKH047	GEP22	GEP-13KVA	HUAWEI	1	168	35	YES				No	Solar	
46	North	Faryab	FRB076	GEP09	GEP9KVA	HUAWEI	1	168	27	YES		yes		No	Solar	
47	North	Faryab	FRB078	GEP22	GEP-22KVA	HUAWEI	1	168	26	YES		yes		No	Solar	
48	North	Faryab	FRB081	GEP09	GEP9KVA	HUAWEI	1	168	29	YES				No	Solar	
49	North	Jawzjan	JZN004	GEP09	GEP9KVA	HUAWEI	1	168A	22	YES		YES		No	Solar	
50	North	Jawzjan	JZN035	GEP09	GEP9KVA	HUAWEI	1	160 A	29	YES		yes		No	Solar	
51	North	Balkh	RPT_QDZ003	GEP13	GEP-13KVA	ZTE	3	90	27	YES		YES		No	Solar	
52	North	Sariipul	SPL005	GEP22	GEP-22KVA	HUAWEI	1	16 A	45	YES		YES		No	Solar	
53	North	Sariipul	SPL007	GEP22	GEP-22KVA	HUAWEI	1	16 A	39	YES		YES		No	Solar	
54	North	Sariipul	SPL009	GEP09	GEP9KVA	HUAWEI	1	16 A	32	YES		YES		No	Solar	
55	North	Sariipul	SPL011	GEP09	O	HUAWEI	1	16 A	45	YES		YES		No	Solar	
56	North	Sariipul	SPL013	GEP09	GEP9KVA	HUAWEI	1	16 A	41	YES		YES		No	Solar	
57	North	Sariipul	SPL014	GEP09	GEP9KVA	HUAWEI	1	16 A	36	YES		YES		No	Solar	
58	North	Sariipul	SPL023	GEP09	GEP9KVA	HUAWEI	1	16 A	33	YES		YES		No	Solar	

59	North	Saripul	RPT_SPL002	GEP22	GEP22					YES		YES		No	Solar	
60	Central	Ghazni	GZN018	GEP13	9KV	ZTEW121	1	120A	35	No	No	Yes	5x5	No	Solar	We have also space out side the site if related allow
61	Central	Ghazni	GZN031	GEP09	9KV	ZTEW121	1	120A	38	No	No	Yes	5x5	No	Solar	We have also space out side the site if related allow
62	Central	Ghazni	GZN063	GEP09	GEP09	ZTEW121	1	120A	33	Yes	3x2	Yes	4x4	No	Solar	Site is located in mountain area
63	Central	Khost	KWT012	GEP22	22KVA	ZTE	1	120A	70.1	Yes	5x5	No	No	No	Solar	
64	Central	Khost	KWT015	GEP22	22KVA	ZTE	1	120A	60.7	No	No	Yes	7x7	No	Solar	Space available out side the site if related allow
65	Central	Khost	KWT017	GEP22	22KVA	ZTE	1	120A	44.3	No	No	Yes	5x5	No	Solar	Space available out side the site if related allow
66	Central	Khost	KWT022	GEP13	9KVA	ZTE	1	120A	47.4	No	No	Yes	5x5	No	Solar	Space available out side the site if related allow
67	Central	Khost	KWT027	GEP09	9KVA	ZTE	1	120A	23.3	No	No	Yes	7x7	No	Solar	Space available out side the site if related allow
68	Central	Khost	KWT035	GEP09	9KVA	ZTE	1	120A	42.6	Yes	5x5	No	No	No	Solar	We have space available on the roof top of SSG room
69	Central	Wardak	WDK014	GEP22	GEP22	Zxdr 1500	1	120A	43	Yes	No	Yes	5x5	No	Solar	
70	Central	Wardak	WDK024	GEP09	GEP09	Zxdr 1500	1	120A	35	Yes	3x2	Yes	5x5	No	Solar	
71	Central	Wardak	WDK025	GEP22	GEP22	Zxdr 1500	1	120A	40	No	No	Yes	5x5	No	Solar	
72	Central	Wardak	WDK028	GEP09	GEP09	Zxdr 1500	1	120A	38	No	No	Yes	5x5	No	Solar	We have space out side the site if the related allow
73	Central	Wardak	WDK029	GEP09	GEP09	Zxdr 1500	1	120A	38	No	No	Yes	5x5	No	Solar	
74	Central	Wardak	WDK037	GEP09	GEP09	Zxdr 3000	1	120A	38	Yes	3x2	Yes	5x5	No	Solar	
75	Central	Paktia	PKT002	GEP22	22KVA	ZTEW121	1	120A	34	No	No	Yes	5x5	No	Solar	
76	Central	Wardak	WDK003	GEP22	0	Zxdr 1500	1	120A	8.8	No	No	Yes	10x10	No	Solar	Site is located in mountain area
77	Central	Wardak	WDK005	GEP22	22KV	Zxdr 1500	1	120A	21.2	No	No	Yes	10x10	No	Solar	Site is located in mountain area
78	Central	Wardak	WDK009	GEP22	22KV	Zxdr 1500	1	120A	39.8	Yes	3x3	Yes	5x5	No	Solar	Before site was solar then they convert it to CP/ Site is located in mountain area
79	Central	Wardak	WDK011	GEP22	GEP09	Zxdr 1500	1	120A	42	No	No	Yes	5x5	No	Solar	We have space out side the site if the related allow
80	Central	Wardak	WDK017	GEP22	0	Zxdr 1500	1	120A	Screen	No	No	Yes	5x5	No	Solar	We have space out side the

81	Central	Ghazni	GZN047	GEP013	GEP013	ZXDU67W201	1	225A	39	Yes	4x4	No	No	No	Solar	possible on DG roof , there is no other place for S.systm in site.
82	Central	Ghazni	GZN036	GEP022	GEP022	ZXDU68W301	1	392A	58	No	No	Yes	5x5	No	Solar	
83	Central	Kabul	KBL416	GEP09	GEP9KVA	ZXD3000	1	200A	40	Yes		Yes		Yes	Solar	Inside the site has big area we can put Solar and outside as well
84	Central	Kabul	KBL435	GEP09	GEP9KVA	ZXD3000	1	200A	55	Yes		No		Yes	Solar	It has a big yard inside there house / Also on Roof
85	Central	Kabul	KBL077	GEP22	GEP22	ZXDU68	1	120A	54	NO	N/A	YES	3000	NO	Solar	
86	Central	Kabul	KBL135	GEP13	GEP22	ZXDU68	1	120A	30	NO	N/A	YES	2500	NO	Solar	
87	Central	Kabul	KBL368	GEP22	GEP22	ZXDU68	1	120A	63	NO	N/A	YES	2000	NO	Solar	
88	Central	Kapisa	KPS010	GEP09	GEP09	ZXDU68	1	120A	15	NO	N/A	YES	144	NO	Solar	
89	Central	Parwan	PRN002	GEP22	GEP22	ZXDU68	1	120A	37	NO	N/A	YES	2000	NO	Solar	
90	Central	Parwan	PRN017	GEP22	GEP22	ZXDU68	1	120A	34	NO	N/A	YES	2000	NO	Solar	
91	East	Laghman	LGM020	GEP13	GEP9	ZXDU68	1	120A	40	NO	N/A	YES	3000	NO	Solar	
92	East	Laghman	LGM038	GEP09	GEP09	ZXDU68	1	200A	30	NO	N/A	YES	150	NO	Solar	
93	East	Laghman	LGM042	GEP09	GEP09	ZXDU68	1	200A	28	NO	N/A	YES	500	NO	Solar	
94	East	Nooristan	NST001	GEP09	GEP09	ZXDU68	1	120A	25	NO	N/A	YES	300	NO	Solar	

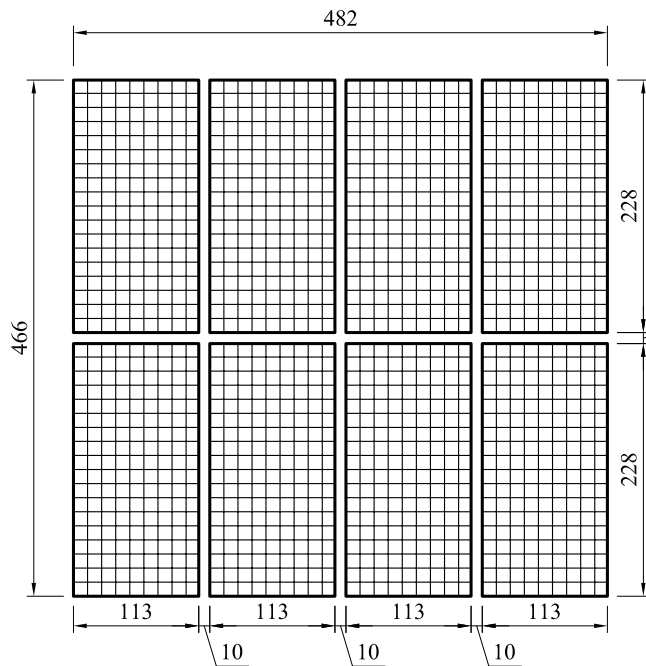
RFP General Terms Compliance to be filled by Bidder.

S/N	Clause No. and General Terms	Comply (Yes/No)	Remarks
1	4. VALIDITY OF OFFERS:		
2	6. ACCEPTANCE OF OFFERS:		
3	7. REGISTRATION/LEGAL DOCUMENTS OF THE BIDDER		
4	8. PAYMENTS		
5	9. PENALTY:		
6	10. CONSTRUCTION OF CONTRACT:		
7	11. TERMINATION OF THE CONTRACT BY THE PURCHASER		
8	12. LOCAL TAXES, DUES AND LEVIES:		

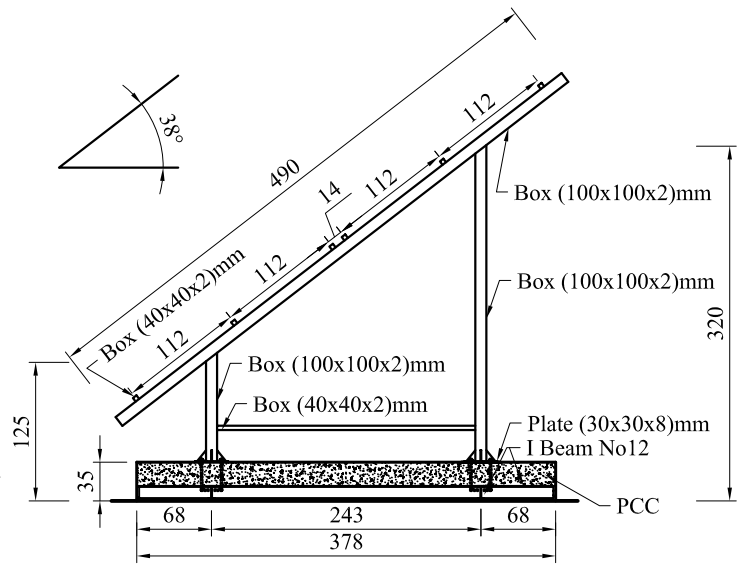
The following Information must be submitted with offer.

Bidder Contact Details	
Bidder Name	
Bidder Address	
Bidder Email Address	
Bidder Phone Number	
Bidder Contact Person Name	
Bidder Contact Person Phone No	
Bidder Contact Person Email Address	
Bidder Registration License Number	
License Validity	
TIN Number /Tax Number	

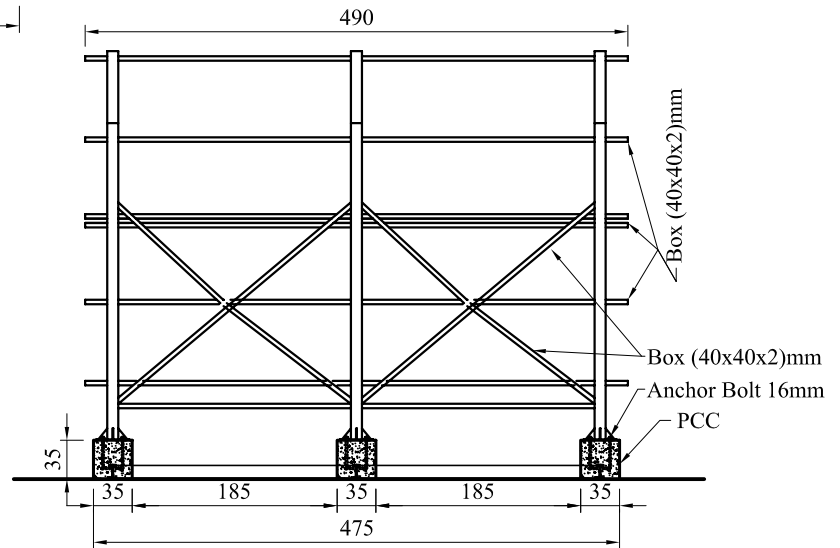
Frame specification and design is attached below:



Solar Panels



side view



Back view

Note:

Structural Steel minimum f_y -2531Kg/cm.²

Structural bolts minimum f_y -6468Kg/cm.²


Structural Anchor bolts minimum f_y -2531Kg/cm.²

Structural Anchor bolts minimum F_u -4080Kg/cm.²

Electrodes class E70xx (minimum F_u -4900Kg/cm.²

The fillet welds size shown on drawing thickness 5mm

Consider safety issues when working, work carefully so as not to cause problems.

Etisalat Afghanistan				PROJECT NAME	Drawing Title	
Civil work Department					Sheet No	
Drawing By :	Designed By :	Checked By :	Director :	Solar Frame for 4KW (8 PCs Panel) on the Roof	Date	
					Scale	As Shown