

**TENDER DOCUMENTS FOR PROVISION OF  
IT INFRASTRUCTURE & TWO MULTIFUNCTIONAL DIGITAL  
COPIER PRINTERS(1 COLOR AND 1 MONO)**

**Invitation to Bids:**

Quaid-e-Azam Solar Power (Pvt.) Ltd. invites sealed bids/ proposals from tax registered firms/companies for provision of IT Infrastructure and two multifunctional digital copier printers at its Head Office (Lahore) and Site Office (Bahawalpur). This includes configuration of in house Domain Controller, Exchange Server, FTP Server for 50 users (40 in Head Office, 10 in Site Office) and VPN to collect data and control Site Systems from Head Office (**Lot 1**). Further includes two multifunctional digital copier printers (1 Color MFP & 1 Mono MFP) for Head Office, Lahore (**Lot 2**).

**Terms and Conditions:**

1. The detailed criteria for eligibility, specification and requirements for the bids can be downloaded from the downloads section of the QA solar website ([www.qasolar.com/downloads](http://www.qasolar.com/downloads)) and the PPRA website [www.ppra.punjab.gov.pk](http://www.ppra.punjab.gov.pk)
2. A single package containing Technical and Financial separate Bids for the respective Lot, signed, stamped, sealed and in complete conformity with Tender Document should be dropped, in the Tender Box placed at Reception of below mentioned address.
3. Price of deploying the services should be included in the bid along with any/all equipment, cables infrastructure for the deployment. Breakdown for all equipment to be used should be included in the bid. The bid should be in PKR, inclusive of all applicable taxes (Complete installation and configuration charges included).
4. The bidder should submit a single package containing two separate sealed envelopes for the respective Lot. One envelope should contain and be marked as the 'Technical Proposal' and the other envelope should contain and be marked as the 'Financial Proposal'. 'Technical Proposal' should separately contain '**Technical Proposal LOT 1**' and/or '**Technical Proposal LOT 2**'. Similarly, 'Financial Proposal' should separately contain '**Financial Proposal LOT 1**' and/or '**Financial Proposal LOT 2**'.
5. The bidding firm must have local presence in Lahore and a registered office in Pakistan.
6. The bidders may submit their bids for **LOT 1** or **LOT 2** or for both through separate envelop. However, the bidders should comply with the Technical Specifications as given in '**Annexure-A**'.
7. The bidding firm should be registered with Sales Tax and Income Tax Departments (attach copies of registration certificates).
8. The bid should contain a Covering Letter on Company's letter head, Company Profile, detailed Financial Proposal inclusive of all taxes and financial statements of last 3 years.
9. The bidder must be a manufacturer or authorized partner/dealer.
10. The bid should accompany a Bid Security of 2% of the value of 1 year quoted price, submitted in the form of Pay Order or Demand Draft in favor of Quaid-e-Azam Solar Power (Pvt.) Ltd.

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11. All documents submitted by the bidder must be duly signed by the bidder/authorized representative and should have a Company Seal on them.
12. The bid validity period is 90 days, starting from the date of opening of bids.
13. The bidding firm should have a minimum of 3 years' experience (attach relevant evidentiary documents) of similar assignments (preferably with Government, Semi-Government and autonomous bodies).
14. The bidding firm should not be blacklisted by any public or private sector organization (attach an affidavit).
15. QA Solar will not be responsible for any costs/expenses incurred by the bidders in connection with preparation or delivery of bids.
16. The term of the agreement/contract is extendable, based on mutual agreement between the parties.
17. The bids must be delivered to the following address by or before 3 p.m., December 02, 2016:
18. The bids will be publically opened on the aforementioned date at 3:30 p.m. in the Conference Room of QASP office, Lahore.
19. If the technical proposal of any of the bidding firms does not fulfil the aforementioned criteria and/or the terms of the Contract Agreement (**Annexure-B**), they will be considered disqualified and their bids will be returned unopened. Financial Proposal shall be opened only of those bidders whose technical proposal meets with all the specified technical requirements.
20. The contract will be awarded to the lowest evaluated bidder and payment shall be made within **30 days** after complete installation and commissioning of required goods and services.
21. The competent authority may reject all bids or proposals at any time prior to the acceptance of a bid/proposal. The procuring agency 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.

**MANAGER HR&Admin, Quaid-e-Azam Solar Power (Pvt.) Ltd.,  
3<sup>rd</sup> Floor, NIB Building, 83/A, E-1,  
Main Boulevard, Gulberg-III, Lahore.**

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Annexure-A

**LOT 1 -Exchange and domain Server**

We want Complete and smooth Installation of IT Infrastructure including Exchange server, Domain controller, FTP Server and their services for which we need following items and services of Installation and configuration.

Sr.	Hardware	Quantity	Specs.
1	Server (Domain Controller, Exchange Server, Active Directory, File Server)	1	<p>Processors: 2 sockets, 2 CPUS, minimum 10 cores per CPU, 2,5GHz, Intel E5-2600v3 or similar</p> <p>RAM: 128GB DDR4with ECC minimum</p> <p>Chassis: Rack-mountable, 2U with at least 4 PCIe slots</p> <p>Power supply: Redundant, hot-swappable, 230AC 50Hz</p> <p>Local disk: Local Raid1 controller with 2x1TB SAS (or bigger), hot-swappable</p> <p>Disks DVD-ROM, internal or external</p> <p>Network Connectivity: 4x1GbE iSCSI HBA: 1x Dual port 10GbE with SFP+</p> <p>Remote management: Full lights-out-management via Ethernet: power cycle, remote</p> <p>Console, virtual DVD etc.</p> <p>Rack mount kit: Rack-mount kit included</p> <p>License: window server 2012 R2, Microsoft SQL Latest, Microsoft Exchange, VM Ware</p> <p>Vendor hardware support: Full NBD on-site hardware support for 5 years covering spare parts and access to firmware releases. Suitable spare part set for local maintenance as per vendor best practice.</p>
2.	Server (Clone)	1	Processors: 2 sockets, minimum 8core CPU

			<p>per CPU, 2,4GHz, Intel E5- 2600v3 or similar</p> <p>RAM :64GB DDR4 ECC minimum</p> <p>Chassis: Rack-mountable 2U with at least 4 PCIe slots</p> <p>Power supply: Redundant, hot-swappable, 230AC, 50Hz</p> <p>Local disk: Local Raid1 controller with 2x300GB SAS (or bigger), hot swappable disks</p> <p>Network connectivity: 4x1GbE iSCSI HBA: 1xDual port 10GbE with SFP+</p> <p>License: window server 2012 R2, Microsoft SQL Latest, Microsoft Exchange, VM Ware</p> <p>Remote management: Full lights-out-management via Ethernet: power cycle, remote console, virtual DVD etc.</p> <p>Rack mount kit: Rack-mount kit included</p> <p>Vendor hardware support: Full NBD on-site hardware support for 5 years covering spare parts and access to firmware releases. Suitable spare part set for local maintenance as per vendor best practice.</p>
3.	1G Ethernet switches	2	<p>Management: Remote management via SSHv2 command-line interface (CLI), SNMPv1-3, NTP</p> <p>Rack-mountable: Rack-mount kit included</p> <p>Power supplies: Redundant, hot-swappable, 230AC, 50Hz</p> <p>Connectivity: 24 x 1GbE ports, 2 x 10GbE ports with SFP+, 2 pcs SFP+ Devices included per switch.</p> <p>L2 features: Standard spanning-tree support: STP, RSTP, MSTP, STP Root Guard Link-</p>

			<p>aggregation IEEE 802.3ad</p> <p>Security: ACLs, IP source guard, Port isolation</p> <p>Vendor hardware support: Full NBD on-site hardware support for 5 years covering</p> <p>Spare parts and access to firmware releases. Suitable spare part set for local maintenance as per vendor best practice. 1G Ethernet switches will come from same vendor.</p>
3.	Firewalls Management	2	<p>Advanced GUI, Command line interface (CLI) via SSH2</p> <p>For L3 features, configuration rollback</p> <p>Connectivity: Minimum 2x1GbE SFP+ interfaces, 2SFP+ devices</p> <p>Included per firewall. Minimum 8x1GbE</p> <p>L3 features IPv4 and IPv6: VRRP, static routing, OSPFv3, DNAT, SNAT, site-to-site VPN tunneling</p> <p>Security : Stateful firewall with clustering to HA unit.</p> <p>Advanced security: Cloud based anti-virus, application security, anti spam, web filtering</p> <p>High availability : Redundant unit with automatic failover and failback, active-passive and active-active configuration support, session mirroring between devices</p> <p>Stateful firewall inspection throughput: Minimum 1.8Gbps</p> <p>IPS throughput : Minimum 230Mbps</p> <p>VPN throughput: Minimum 300Mbps</p> <p>Concurrent sessions: Minimum 200k</p> <p>Licenses: Full 5 year licensing for all above</p>

			mentioned features. Vendor hardware support: Full NBD on-site hardware support for 5 years Covering spare parts and access to firmware releases. Suitable spare part set for local maintenance as per vendor best practice.
4.	Storage system	1	NAS (8TB)
5.	power distribution units, uninterruptible power supplies, cabling and SFPs	1	1 x 10kVA Uninterruptible power supply (UPS): Enterprise quality UPSs, rack mountable, 2U size, management via USB, input 230V 50Hz, output 230V 50Hz sine wave, 1x IEC-320-C20 input connector, 6 x output IEC-320-C13 connectors, >90%AC-AC efficiency in online mode, maintenance free battery with intelligent battery management, automatic and manual bypass capability, surge protection, overload capability, input circuit breaker, minimum 4 minutes battery capacity at full load.

## LOT 2 -Digital Multifunctional copier Printer

We need multifunctional digital copier and printers 1 is color MFP and 1 is mono MFP having following specs.

### ➤ Color MFP

#### Main Specifications :

Copies per Minute.	:	45 Copies (A4). color
Minimum Resolution	:	1800 x 600 DPI / 1200 X 1200 DPI (In 1200 DPI Mode)
Minimum Memory	:	4 GB standard,
Warm-Up Time	:	Less than 25 Sec
First Copy Out	:	5.5 Sec color

Maximum Original Size.	:	A3.
Copy Sizes.	:	A3 to A5R.
Reduction /Enlargement.	:	25-400% with 0.1% increments.
Reprographic System.	:	Laser Electronic Transfer.
Acceptable Originals.	:	Single sheets, books, 3-dimensional objects.
Continuous Copying.	:	1 to 9,999 copies.
Copy Paper.	:	Regular or special paper (Offset masters,
transparencies, labels, Paper Supply	:	500 X 2 Sheets
Bypass	:	150 Sheets Bypass
Protocol	:	TCP/IP, IPX/SPX (NDS Support), SMB
(Net BEUI), LPD, IPP1.1,	:	SNMP, HTTP
Support OS	:	windows 2008 SP3/ XP/ XP 64bit, Vista/ Vista 64 Bit/ Win7/ Server2003/server2003 64bit/ server 2008/ server 2008 64bit/Server 2012 R2/Server 2016/ Mac OS 9.2 (PPD) x 10.2, 3, 4, 5/10.5, 5 Intel, Linux
Interface	:	1/100BASE-TX/1000BASE-T
Processor speed	:	800 MHz (Dual)
Scanning speed (A4) b&W/color :	:	80 opm (300dpi) simplex , 160 opm (300dpi) duplex.
Network Printer	:	Built in
Network color Scanner	:	Built in
ADU	:	Built in
DSDF	:	Built in
Internet Fax	:	Built in
250 GB Hard Disk	:	Built in
Mobile compatibility	:	Built in
WI – FI Connectivity	:	Built in

➤ **Mono MFP**  
**Main Specifications**

Copies per Minute.	:	45 Copies (A4).
Minimum Resolution	:	1800 x 600 DPI / 1200 X 1200 DPI (In 1200 DPI Mode)
Minimum Memory	:	2 GB standard,
Protocol (Net BEUI), LPD, IPP1.1,	:	TCP/IP, IPX/SPX (NDS Support), SMB SNMP, HTTP
Support OS Vista 64 Bit/ Win7/	:	windows 2008 SP3/ XP/ XP 64bit, Vista/ Server2003/server2003 64bit/ server 2008/ server 2008 64bit/ Server 2016
		Mac OS 9.2 (PPD) x 10.2, 3, 4, 5/10.5, 5 Intel, Linux
Interface	:	1 /100BASE-TX/1000BASE-T
Processor speed	:	800 MHz (Dual)
Scanning speed (A4) b&W/color :	:	90 opm (300x300dpi), 60 opm (600x600dpi)
Warm-Up Time	:	Less than 25 Sec
First Copy Out	:	4.6 Sec
Maximum Original Size.	:	A3.
Copy Sizes.	:	A3 to A5R.
Reduction /Enlargement.	:	25-400% with 0.1% increments.
Reprographic System.	:	Laser Electronic Transfer.
Acceptable Originals.	:	Single sheets, books, 3-dimensional objects.
Continuous Copying.	:	1 to 9,999 copies.
Copy Paper.	:	Regular or special paper (Offset masters, transparencies, labels, Paper Supply 500 X 2 Sheets
Bypass	:	150 Sheets Bypass
Protocol	:	TCP/IP, IPX/SPX (NDS Support), SMB (Net BEUI), LPD, IPP1.1, SNMP, HTTP





Support OS	:	windows 2008 SP3/ XP/ XP 64bit, Vista/ Vista 64 Bit/ Win7/
		Server2003/server2003 64bit/ server 2008/ server 2008 64bit/ Server 2016
		Mac OS 9.2 (PPD) x 10.2, 3, 4, 5/10.5, 5 Intel, Linux
Interface	:	1/100BASE-TX/1000BASE-T
Processor speed	:	800 MHz (Dual)
Scanning speed (A4) b&W/color	:	80 opm (300dpi) simplex , 160 opm (300dpi) duplex.
Network Printer	:	Built in
Network color Scanner	:	Built in
ADU	:	Built in
DSDF	:	Built in
Internet Fax	:	Built in
250 GB Hard Disk	:	Built in
Mobile compatibility	:	Built in
Developer yield	:	600000 images
WI – FI Connectivity	:	Built in
Optional		
Inner FINIHERS		
Paper feed cabinet (2500 Sheets)		

Agreement No. QASP/

Dated: -----

**CONTRACT AGREEMENT**

THIS CONTRACT made on -----, between M/s Quaid-e-Azam Solar Power (Pvt.) Ltd., Lahore (hereafter "the Client") of the one part and ----- (hereinafter "the Contractor") of the other part.

WHEREAS the Client invited bids for Procurement of IT Infrastructure & Two multifunctional digital copier Printers for M/s Quaid-e-Azam Solar Power (Pvt.) Ltd. as detailed under;

Sr. No.	DESCRIPTION OF IT INFRASTRUCTURE	Unit
1	Configuration of in house Domain Controller, Exchange Server, FTP Server for 50 users (40 in Head Office, 10 in Site Office) and VPN to collect data and control Site Systems from Head Office (Lot 1).	
2	multifunctional digital copier Printers (1 Colour & 1 Mono) for Head Office, Lahore (Lot 2).	2

1. In consideration of the payments to be made by the Client to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Client to provide the Goods and Services and to remedy defects therein in conformity with the provisions of the Contract.
2. The Client hereby covenants to pay the Contractor, in consideration of the provision of the Goods and Services and the remedying of defects therein, at the times and in the manner prescribed by the Contract.

IN WITNESS whereof, the parties hereto have caused this Contract to be executed in accordance with their respective laws the day and year first above written.

**WITNESS**

Signature

Name

Title

**WITNESS**

Signature

Name

**CLIENT**

Signature

Name

Title

**CONTRACTOR**

Signature

Name

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Title

Title

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## CONDITIONS OF CONTRACT

### 1. Definitions

- 1.1 In this Contract, the following terms shall be interpreted as indicated:
- 1.1.1 "Commencement Date of the Contract" means the date of signing of the Contract between the Client and the Contractor.
- 1.1.2 "Contract" means the agreement entered into between the Client and the Contractor, as signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.
- 1.1.3 "Contract Price" means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.
- 1.1.4 "Contractor" means the individual or firm / company / authorized dealer/supplier whose bid has been accepted by the Client and the legal successors, in title to the Contractor.
- 1.1.5 "Client" means Quaid-e-Azam Solar Power (Pvt.) Ltd., Lahore, Pakistan.
- 1.1.6 "Goods" means all of the equipment, machinery, and/or other materials which the Contractor is required to supply to the Client under the Contract.
- 1.1.7 "Services" means services ancillary to the supply of the Goods, such as insurance, and any other incidental services, such as installation, testing, training and other such obligations of the Contractor covered under the Contract.

### 1.2. Periods

In these Conditions "day" means calendar day and week means seven (7) calendar days.

### 1.3. Notice, Consents and Approvals

Wherever in the Contract provision is made for the giving of notice, consent or approval by any person, such consent or approval shall not be unreasonably withheld. Unless otherwise specified, such notice, consent or approval shall be in writing and the word "notify" shall be construed accordingly. All notices should be sent to the following address:

**MANAGER HR, Quaid-e-Azam Solar Power (Pvt.) Ltd.,  
3<sup>rd</sup> Floor, NIB Building, 83/A, E-1,  
Main Boulevard, Gulberg-III, Lahore.**

## 2. Standards

The Goods/Services supplied under this Contract shall conform to the authoritative latest standard appropriate to the Goods/Services.

## 3. Inspection and Tests

- 3.1 The Client or its representative shall have the right to inspect the work being carried out under this Contract and to test the Goods to confirm their conformity to the Technical Specifications (**Annexure-A** of the bidding documents).

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3.2 Should any inspected or tested Goods/Service fail to conform to the specifications as mentioned in 3.1, the Client may reject them, and the Contractor shall either replace the rejected Goods/Service or make all alterations necessary to meet the requirements of the Specifications free of cost to the Client.

3.3 The Client's right to inspect, test and, where necessary, reject the Goods after the Goods arrival at the site of installation shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by the Client or its representatives prior to delivery of the Goods.

**4. Delivery and Transportation**

Delivery and transportation of the Goods shall be made by the Contractor at its own cost, upon the specified time and address.

**5. Incidental Services**

The Contractor shall provide the following services:

- (a) Start-up and testing of the supplied Goods;
- (b) Furnishing of a detailed Operation and Service Manuals

**6. Spare Parts**

The Contractor warrants to the Client that the Service supplied by the Contractor under the Contract are standard and of exact Equipment, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Contractor further warrants that all Service supplied under this Contract shall have no defect, arising from design, materials, or installation & configuration from any act or omission of the Contractor that may develop under normal use of the supplied Service.

**7. Payment to Contractor**

After receiving an application for payment which the Contractor was entitled to receive, the Client shall proceed for the payment within 30 days, subject to

That there are no:

- (a) Defects or short comings in the Goods supplied.
- (b) The performance of the Goods and Services is satisfactory.

**8. Assignment**

The Contractor shall not assign in whole or in part, its obligations to perform under the Contract, except with the Client's prior written consent.

**9. Warranty**

9.1 The Contractor warrants to the Client that the Goods supplied by the Contractor under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Contractor further warrants that all Goods supplied under this

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Contract shall have no defect, arising from design, materials, or workmanship or from any act or omission of the Contractor that may develop under normal use of the supplied Goods.

- 9.2 This warranty shall remain valid for 1 year, after the Goods, or any portion thereof, as the case may be, have been taken over by the Client. This period is hereinafter referred as Warranty Period.
- 9.3 The Client shall promptly notify the Contractor in writing of any claim arising under this warranty.
- 9.4 Upon receipt of such notice, the Contractor shall, within a reasonable period as notified by the Client, repair or replace the defective Goods or parts thereof, without any cost to the Client.
- 9.5 If the Contractor, having been notified, fails to remedy the defect (s) in accordance with the Contract, the Client may proceed to take such remedial action as may be necessary, at the Contractor's risk and cost. The Contractor's warranty pursuant to this Clause 8 is without prejudice to any other rights or remedies which the Client may have against the Contractor under the Contract.

#### **10. Termination for Default**

- 10.1 The Client may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Contractor, terminate the Contract in whole or in part:
- (a) if the Contractor fails to deliver, test and impart training of any or all of the Goods within the specified time
  - (b) if the Contractor does not cure its failure within a period of 3 weeks (or such longer period as the Client may authorize in writing) after receipt of a notice of default from the Client specifying the nature of the default(s).
- 10.2 In the event the Client terminates the Contract in whole or in part, pursuant to Clause 8.1 above, the Client may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Contractor shall be liable to the Client for any excess costs for such similar Goods or Services. However, the Contractor shall continue performance of the Contract to the extent not terminated.
- #### **11. Force Majeure**
- 11.1 The Contractor shall not be liable for termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 11.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the Contractor and not involving the Contractor's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Client in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

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11.3 If a Force Majeure situation arises, the Contractor shall promptly notify the Client in writing of such condition and the cause thereof. Unless otherwise directed by the Client in writing, the Contractor shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**12. Completion Period:**

The delivery of the Goods and Services at the site, their testing, and successful installation shall be completed within 30 days of the receipt of Work Order by the Contractor.

**13. Extension in the Contract:**

This Contract is extendable, with mutual consent of both the parties.

**14. Resolution of Disputes**

The Client and the Contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

**15. Contract Language**

15.1 The Contract shall be in the English language, and all documentation related hereto will also be in the English language. The Contractor hereby represents that it has sufficient knowledge of the English language fully to understand the Contract.

15.2 The Contractor shall bear all costs of translation to English and all risks of the accuracy of such translation.

**16. Applicable Law**

16.1 The Contract shall be governed by and interpreted in accordance with the laws of Pakistan.

**17. Taxes and Duties**

The Contractor shall be entirely responsible for all taxes, stamp duties and other such levies imposed outside or inside Pakistan.

**18. Client's Representative**

The Client's Representative shall be appointed by and be responsible to the Client and shall only carry out such duties and exercise such authority as may be delegated to him by the Client.

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