

INSTRUCTIONS TO BIDDERS

Quaid-e-Azam Solar Power (Pvt.) Ltd. (the "Client") intends to hire a Company for **Testing Equipment** in compliance with PPR 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 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.
2. The procurement will be done under PPR 2014, using **single-stage two-envelope** 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 requirement. The bidders with incomplete information and the bid security shall be considered non-responsive.
3. Financial bids of responsive bidders shall be opened on same day in front of all responsive bidders.
4. The Bidder must be registered with Sales Tax and Income Tax Department, Punjab Revenue Authority. (Attach copies of registration certificates).
5. Rated quotes should be in Pak Rupees, inclusive of all applicable taxes. If not specifically mentioned in the quotation, it will be presumed that the prices include all the taxes.
6. 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.
7. The Bidder should not be blacklisted by any public or private sector organizations (attach an affidavit on stamp paper, refer **Annex-A**).
8. The Bidder should 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.
9. Client will not be responsible for any costs/expenses incurred by the bidders in connection with preparation or delivery of bids.
10. Bid Security amounting to **PKR 35,000 (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 Financial Bid Envelope.

11. The bids must be delivered to the following address by or before **2:30 p.m., 24th January, 2019.**

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

12. The bids will be publicly opened on the aforementioned date at **3:00 p.m.** in the Conference Room of QASPL office.
13. The bid validity period is 90 days, starting from the date of opening of bids.
14. 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.
15. If the proposal of any of the bidder does not fulfill the aforementioned criteria, they may be considered non-responsive.
16. Late received bids will be returned unopened. No alteration/amendment shall be allowed after submission.

TECHNICAL BID FORM

The bidder is required to provide the information and relevant documentary evidence required as under:

Minimum Product Specifications

Sr #	Description	Detail	Compliance (Yes/No)	Alternate Better Specifications (if proposed)
	General Data			
1.	Country of Origin and Manufacture	European, Japanese, American		
2.	Camera Make	FLIR, Fluke or equivalent		
3.	Camera Model	Bidder to Specify		
	Image & Optical Data			
4.	IR Resolution	160 x 120		
5.	MSX Resolution	320 x 240		
6.	Thermal Sensitivity	<0.06°C (0.11°F) / 60 mK		
7.	Field of View (FOV)	45° x 34°		
8.	Minimum Focus Distance	0.5 m (1.6 ft.)		
9.	Spatial resolution (IFOV)	5.2 mrad		
10.	Image frequency	9 Hz		
11.	Focus	Focus free		
	Detector Data			
12.	Detector type	Focal plane array (FPA), uncooled microbolometer		
13.	Spectral range	7.5–13 μm		
	Image Presentation			
14.	Display	3.0 in. 320 x 240 color LCD		
15.	Image adjustment	Automatic adjust/lock image		
	Image Presentation Modes			
16.	Image modes	IR image, visual image, MSX, picture in picture, thumbnail gallery		

17.	Multi Spectral Dynamic Imaging (MSX)	IR image with enhanced detail presentation		
18.	Picture in Picture	IR area on visual image		
	Measurement			
19.	Object temperature range	-20°C to +250°C (-4°F to +482°F)		
20.	Accuracy	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (+50°F to 95°F) and object temperature above +0°C (+32°F)		
	Measurement Analysis			
21.	Spot meter	Center spot		
22.	Area	Box with max./min.		
23.	Emissivity correction	Variable from 0.1 to 1.0		
24.	Emissivity table	Emissivity table of predefined materials		
25.	Reflected apparent temperature correction	Automatic, based on input of reflected temperature		
	Alarm			
26.	Color alarm	Blue below or red above set temperature		
	Set-up			
27.	Color palettes	Black and white, iron and rainbow		
28.	Set-up commands	Local adaptation of units, language, date and time formats		
	Storage of Images			
29.	Image storage capacity	Internal memory store at least 500 sets of images		
30.	Image storage mode	Simultaneous storage of images in IR, visual and MSX		
31.	File formats	Standard JPEG, 14-bit measurement data included		
	Data Communication Interface			
32.	Interfaces	USB Micro: Data transfer to and from PC and Mac device		

	Power System			
33.	Battery type	Rechargeable Li Ion battery		
34.	Battery operating time	Approx. 4 hours at +25°C (+77°F) ambient temperature and typical use		
35.	Charging system	Battery is charged inside the camera or in specific charger		
36.	Power management	Automatic shut-down		
37.	AC operation	AC adapter, 90–260 VAC 50Hz. input, 5 VDC output to camera		
	Environment Data			
38.	Operating temperature range	–15°C to +50°C (+5°F to +122°F)		
39.	Storage temperature range	–40°C to +70°C (–40°F to +158°F)		
40.	Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity		
41.	EMC	WEEE 2012/19/EC RoHs2011/65/EC C-Tick EN 61000-6-3 EN 61000-6-2 FCC 47 CFR Part 15 Class B		
42.	Encapsulation	IP 54 (IEC 60529)		
43.	Bump	25 g (IEC 60068-2-29)		
44.	Vibration	2 g (IEC 60068-2-6)		
45.	Drop	2 m (6.6 ft.)		
46.	Operations	Both Indoor and Outdoor.		
47.	Certification	UL, CSA, CE, PSE and CCC		
48.	Accessories	Standard accessories including Minimum as follows <ul style="list-style-type: none"> • Hard Transport Case • USB Cable • Power supply/Charger suitable for Pakistani Plugs • User Documentation 		

		(printed and CD-ROM)		
49.	Warranty	Minimum warranty as follows <ul style="list-style-type: none"> • 10 Year Detector • 5 Year Battery • 2 Years Parts & Labor 		

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

(Sign. & Stamp of bidder)

FINANCIAL BID FORM

Sr.#	Name & Description	Quantity	Unit Price (PKR)	Total Price (PKR)
1	Thermal Camera (as per specifications defined in Datasheet)	1		
TOTAL (PKR)				

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.

(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 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: _____