



**GOVERNMENT OF PAKISTAN
PAKISTAN ORDNANCE FACTORIES
TENDER ENQUIRY.**

To

M/s _____

Dear Sirs,

Reference: **TENDER ENQUIRY # 012-FP-B-51-SCM (R&D) - Capt-Pur-III, Dated: 25-10-2021.**

You are requested to submit quotations for the items(s) noted in the Schedule to the Tender as per **PPRA Rule 36(b)**.i.e. Signal Stage Two Envelope Offers should be sent duly sealed in an envelope. Please note the following instructions for filling the tender:-

1. **SUBMISSION OF TENDER**

1.1 Tenders will be **opened at 1200 hours on 11-12-2021 and must reach Bid Center Adjacent to Rabita Hall** on or before **1130 hour upto due date**. The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If a representative is deputed, he should bring a letter of authority from you.

1.2 Only one tender should be included in one envelope. The outside of the envelope should be inscribed with: - Tender Enquiry #: **012-FP-B-51-SCM (R&D) - Capt-Pur-III DT: 25-10-2021.**

Tender to be opened on: **11-12-2021.**

Address as follows: - **GM-Purchase-I, BID Center Adjacent to Rabita Hall POF Wah Cantt, Pakistan.**

1.3 If envelope does not indicate reference of T.Es or received late the same may be returned un-opened.

2. **GENERAL INSTRUCTIONS REGARDING PREPARATION OF QUOTATIONS
& EVALUATION CRITERIA**

2.1 The prices should be filled in column 5 and delivery date in column 6 of the schedule to this Tender Enquiry. The undertaking should be signed at the bottom of the Schedule which shall form the Quotation. You may use a separate sheet if necessary.

2.2 As per **PPRA rule 36 (b)** single stage two envelope procedure will be applied for open competitive bidding. For Plant and Machinery, you are required to quote in **two parts:-**

Part I **"TECHNICAL OFFER"** It should exclusively give technical details and literatures/brochures of the offered plant, machinery and equipment; validity date; delivery schedule; and signed undertaking given on the schedule to this Tender Enquiry. It must not indicate price, costs etc.

Part II **"COMMERCIAL OFFER"** It should indicate the commercial terms e.g. price, terms of payment, mode of payment, mode of supply.

Each part should be placed in a separate sealed cover. The envelopes should be inscribed with: Part I "Technical Quotation without price" and Part II "Commercial Quotation with Price."

2.3 **The quotation must be extendable if required but must remain valid for, at least 120 days from the date of opening of tenders.**

2.4 Procurement will be made strictly as per PPRA rules and contract will be placed in favour of lowest evaluated bidder.

2.5 In the event of non-acceptance of offer, intimation may be given to the bidders on their request.

2.6 Conditional offers or alternative offers are likely to be ignored.

2.7 Quotations should be based on F.O.B. The consignment will be shipped through Pakistan National Shipping Corporation (PNSC) In case there is no PNSC service in the country of shipping, please quote on C & F basis. The freight should be indicated separately. Insurance premium should not be included in the quoted price. However where insurance is considered necessary, advice to that effect should be given in the quotation.

2.8 Submission of the offer through an agent in Pakistan should be avoided. In case it is considered inevitable, the agent's quotation must invariably be accompanied by the original proforma invoice B from the principals/ manufacturers.

2.9 Country of origin and port of shipment to be stated.

2.10 The offer of principal must clearly indicate whether the rate quoted is inclusive of agent's commission, and if inclusive rate of commission included be specified.

2.11 Suppliers will render necessary information regarding hazardous effects on environment, of the materials/products supplied by them, in their quotations and shipping/Dispatch documents.

2.12 If the requisite information is not furnished on the T.E form or offer received is not in conformity with the requirement of the T.E or received late/after due date such offer shall be ignored.

2.13 Special conditions must be carefully studied and conformed.

3. **INSPECTION**

3.1 Supplies shall be subject to the inspection and acceptance by the **Pre-shipment inspection (PSI) team (02 inspectors)** nominated by the purchaser. All expenses of the PSI team including Air travel from and to Pakistan, boarding lodging and inland travel will be at the supplier's account. Inspection facilities such as tools, test equipment, instruments etc will be provided by the supplier in accordance with the relevant specification.

(**Note:** In case of more than one consignment/ part pre-shipment inspection criteria/procedure will be the same as located above for each & every consignment/part,)

3.2 Relevant PSI clauses are as under:-

Pre-Shipment Inspection & Trainings:

- a. Free of cost training for 05 days for 02 x POF engineers / Technicians on operating, test simulation, and maintenance at supplier premises.
- b. Boarding lodging, travelling and air tickets for 2 personnel shall be borne by supplier.
- c. Pre-shipment inspection and acceptance of equipment at supplier premises.

3.3 Where considered necessary by the Purchaser, stores may be obtained on Warranty/Guarantee, subject to inspection on receipt. Rejected stores will be removed and replaced with the acceptable stores by the Supplier at his own expense, within a specified time.

3.4 **TENDER SAMPLE**. Where required offer must accompany tender sample strictly according to the description given in tender Enquiry. Offer not accompanied by tender sample will NOT be entertained excepting the established and reputable firms who have either previously satisfactorily supplied the same or similar stores or have submitted an acceptable samples thereof against previous T.E.

4.1 ACCPETANCE OF OFFERS

4.1.1 The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, but is not required to justify those grounds.

4.1.2 Procuring agency shall incur no liability, solely by virtue of its invoking sub-rule (1.1) towards suppliers or contractors who have submitted bids or proposals.

4.1.3 Notice of the rejection of all bids or proposals shall be given promptly to all suppliers or contractors that submitted bids or proposals.

4.2 PERFORMANCE BOND

(a) The successful bidders will provide Performance Bond at the rate upto **10% of F.O.B.** value of contract in favour of the Controller Military Accounts (CMA) POF Wah Cantt. The Performance Bond will be furnished in the form of Deposit At Call Receipt (CDR) from any scheduled Bank in Pakistan or an unconditional bank guarantee on prescribed proforma covered by any scheduled bank in Pakistan. The **Performance Bond shall be furnished within 45 days** from the date of opening of Letter of Credit. It shall be valid for a period of 12 months after the date of expiry of letter of credit. If the Performance Bond is not furnished within the prescribed time of 45 days, the Purchaser reserves the right to:

- i. **Impose penalty @ 1 % per month of the value of CDR/BG.**

(Clause-4.2 (a i) is not applicable in case of procurement of Plant / Equipment / Machinery items)

OR

- ii. **Cancel the contract and make other arrangements for purchase of the stores at the risk and expense of the Supplier.**

(b) No Performance Bond will be required if the total FOB value of the contract is **less than US\$ 50,000** and contract is placed directly on the foreign Supplier.

4.3 FAILURE TO SUPPLY THE STORES

All deliveries must be completed by the specified date. If the failure to deliver the stores within the scheduled time should have arisen from "Force Majeure", which the Purchaser may admit as reasonable ground for further time, he will allow such additional time as he may consider to have been required by the circumstances of the case. Otherwise, he will be entitled, at his discretion, to cancel the contract; and/or, claim liquidated damages **upto 2%** but not less than **1%** of the contract price of the items and their quantities for each and every month or part of a month, beyond the specified delivery date, during which these may not be delivered, subject to a maximum of **10% of the total contract value** of particular store which remained unsupplied either in part or in full or, to purchase, from elsewhere, the unsupplied stores at the risk and cost of the Supplier.

4.4 PAYMENT

Payment will normally be made by means of an irrevocable letter of credit. Unless otherwise stated **80% payment** will be released on submission of Dispatch documents (including acceptance certificate issued by PSI team duly signed by the firm) to Bank while balance **20% payment** will be released on receipt, installation / commissioning, successful trial and final acceptance of store/machine by the competent authority i.e. Director R&D. All Bank charges incurred in Pakistan in connection with the establishment of L.C. will be borne by the Purchaser, whereas all Bank charges incurred in connection with drawing of payment including charges for confirmation of L.C. by the advising Bank/Foreign Bank will be borne by the Supplier.

5. SECURITY OF INFORMATION

The tendered and his employees must not communicate any information relating to the sale/purchase of stores under this enquiry to any person other than the manufacturer or to any press or agent not authorized in writing by POFs to receive it. Please return the Schedule to the Tender duly signed by the specified date, along with the specifications drawings etc. if any, enclosed herewith - even if you are unable to quote.

6. WARNING

In case the firm abstain from making offers or fail to return/acknowledge the tender form by the specified date on three consecutive occasions, no further tender enquiry may be issued to them and their names would liable to be removed from the approved list.

Note: Offers/bids through E-Mails & Fax are not acceptable. Only one competitive offer/bid must be submitted on firm's original letter head pad through Mail/Courier.

Yours faithfully,

(WAQAS AHMAD)
DIRECTOR SUPPLY CHAIN MANAGEMENT
PAKISTAN ORDNANCE FACTORIES
WAH CANTT, PAKISTAN.

Contact Info:

☎ 051-9055 - 22269, 21087, 21088
Fax: i. 051-9271400 ii. 051-9314100
Email: procurement@pof.gov.pk

PAKISTAN ORDNANCE FACTORIES

SCHEDULE TO T.E. NO. 012-FP-B-51-SCM (R&D) - Capt-Pur-III DT: 25-10-2021

(1) **FOR Plant & Machinery:-**

(1)	(2)	(3)	(4)	(5)		(6)
<u>Item No.</u>	<u>Description with Specs. etc.</u>	<u>Unit</u>	<u>Qty</u>	<u>Price per Unit FOB or C & F</u>		<u>Delivery Date/ Period</u>
				<u>In Figures</u>	<u>In Words</u>	
1.	High Speed Camera Specification Attached As per Annexure "A"	No.	01 No			IMMEDIATE

(2) **Special Conditions:-**

- a. Commercial offers will be opened of those bidders who will qualify in technical evaluation.
- b. contract will be placed in favour of lowest evaluated bidder in the light of PPRA rules as per **POF Contract format POF-1282** and other terms and conditions mutually agreed between POF and the contractor / firm.
- c. The supplier will submit an undertaking to ensure availability / supply of spares for machine upto a period of 10 years.
- d. Obtaining of Export permit from the concerned Govt. will be the responsibility of the firm / bidder. Non issuance of Export permit from the country of origin shall not constitute **"Force Majeure"**
- e. Installation/commissioning, successful trail and local onsite training to POF Personnel will be arranged by the supplier.
- f. The supplier will provide **warranty / guarantee certificate (on POF format)** which will be valid for a period of **24 months** after successful installation and commissioning of the machine.
- g. Local agent in Pakistan for after Sales Service.

(3) **Undertaking:-**

Should our offer be accepted, we hereby undertake to supply the stores/render the services contracted on the basis of General Conditions of Contract embodied in Form POF 1282, and to deposit the performance bond within the prescribed time, failing which it will constitute a breach of contract, and POF will have the right to purchase the stores/services elsewhere at our risk and cost.

Place:

Date:

Name:

Position:

Address:

Income Tax G.I.R.No.

Signatures of Tenderer

"HIGH SPEED CAMERA"

1. Specification					
a.	Memory Built In	To record minimum 3.0 second of recording at 12-Bit-depth at Full Resolution and Full Frame per second			
b.	External Fast Memory	1TB (supporting fast transfer from camera recording memory)			
c.	Sensor Resolution	1280 x 800 or above			
d.	Frame Rate	12,500 @ 1280 x 800 pixel Upgradeable to 25,000 fps @ 1280 x 800 pixel			
e.	Sensor type	CMOS			
f.	Lens Mount	F mount & C mount			
g.	Lens Capability	To capture caliber size (30.0 mm – 155.0mm)			
h.	Optics	Zoom 80 to 200 mm, aperture: f/2.8 maximum, f/22 minimum			
i.	Camera mount	Heavy duty camera tripod and 3D geared head			
j.	Carrying Cases	Case for Camera and accessories, Bag for Camera tripod			
k.	Power Input	AC 100-240 VAC, 50HZ, Single Phase including AC/DC power adapter			
l.	Backup Power Source	At least 2KVA portable sine wave electrical generator, petrol, 4 to 6 hour continuous operation			
m.	Environmental Specifications	-5°C to + 50°C			
n.	Camera Control and Data Download Connectivity	1 Gbps Ethernet and 10 Gbps Ethernet			
o.	Supported file formats	Cine RAW, Cine Compressed, AVI, h.264 mp4, Apple ProRes.mov, Multipage TIFF, Windows BMP, JPEG			
p.	Video Processing	Brightness, Gain, White balance, Pedestal, Tone curve, Filters, Color matrix, Image flip and rotate, Crop			
q.	Special Features / Options	1)	Fast option support	2)	Offline viewing
		3)	Multi-cine	4)	Burst mode
		5)	Continuous Recording	6)	Shutter off Mode for PIV exposure
		7)	Image-based Auto Trigger: trigger the camera from motion detected within the live image. Catch unpredictable events without manually triggering the camera.	8)	On Camera Control: Connect a video monitor to the camera and use the intuitive user interface to control most common camera settings and lens focusing.
		9)	Regulatory: EMI/EMC/ESD, Emissions Tests: EN61326-1/FCC part 15, Immunity tests: EN 61326-1	10)	Random Vibration: Operational 7.5 Grms, 3 axes, IAW MIL-STD-202G
		11)	Shock: Operational 5.5G, 11mSec saw tooth, 3 axes, 60 pulses total; non-operational 30G, 11mSec saw tooth, 3 axes, 60 Pulses total	12)	Safety: IEC 60950

r.	Range Data Input	Input azimuth and elevation data from tracker
s.	GPS input	Input time and location from external GPS receiver
t.	Video Port	2 No. HD-SDI ports
u.	Triggering / options	1) Image based auto trigger 2) Trigger from software 3) Hardware Trigger BNC
v.	Software Required	1) Projectile Launch Analysis 2) Muzzle Speed and visual analysis of projectile after launch 3) Motion Analysis.
2. <u>Training and Pre-shipment Inspection</u>		
a.	Free of cost training for 05 days for 02 x POF engineers / Technicians on operating, test simulation, and maintenance at supplier premises.	
b.	Boarding lodging, travelling and air tickets for 2 personnel shall be borne by supplier.	
c.	Pre-shipment inspection and acceptance of equipment at supplier premises.	
3. <u>Payment Terms and Conditions</u>		
a.	By Letter of Credit, at sight, 80% will be paid upon receipt of shipping document	
b.	Remaining amount of 20 % will be paid after satisfactory testing and commissioning of Camera at purchaser premises.	
c.	Required documents – certificate of Origin	
4. <u>Testing, Commissioning and Training</u>		
a.	Dynamic Testing & Commissioning of the High-Speed Camera in the field environment is the responsibility of supplier, purchaser shall be responsible for the supply of ammunition, weapon and test facility, Supplier shall provide 3-day onsite training.	
b.	The supplier will provide minimum 2-year warranty against manufacturing defect (parts and labor inclusive) after successful testing and commissioning of the camera system. Supplier shall provide maintenance support after the warranty period for the repair and technical support at least for 2 years on requirement basis or on annual maintenance contract.	
c.	Guarantee the supply of spares for a period of 10 years from the date of delivery.	
5. <u>Country of Origin.</u>		
Europe, UK, Japan, Singapore, USA.		