



**Government of Pakistan**  
**PAKISTAN ORDNANCE FACTORIES**  
**TENDER ENQUIRY**

Reference: TENDER ENQUIRY No: **457-FP-Capt-DS-Elect** dated: **31.01.2018**

You are requested to submit sealed quotations for the item(s) noted in the Schedule to the Tender. 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 **1230** hours on **06.03.2018** and must reach this office on or before 1200 hour up to due date. The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If representative is to be deputed he should bring a letter of authority from you.
- 1.2 Only one tender should be included in one envelop. The outside of the envelope should be inscribed with:

Tender Enquiry No. 457-FP-Capt-DS-Elect, Dt: 31.01.2018  
Tender to be opened on 06.03.2018

Address as follows:-

- i) **TECHNICAL OFFER (PART-I)**      ii) **COMMERCIAL OFFER (PART-II)**

Director Services,  
POFs Wah Cantt – 47040 (Pakistan)  
Tele: +92-51-9055 21090  
Fax: +92-51-9271400, 9314100

Chairman POF Board  
POFs Wah Cantt – 47040 (Pakistan)  
Fax: +92-51-9271400, 9314100

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

2. **GENERAL INSTRUCTIONS REGARDING PREPARATION OF QUOTATIONS**

- 2.1 For materials, the prices should be filled in column 5 and delivery date in column 6 at Para I 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 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; 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 remain valid for, at least 120 days from the date of opening of commercial tenders.
- 2.4 The quotation should hold good for any reduced or enhanced quantities without notice.
- 2.5 In the event of non-acceptance of offer, intimation may be given to the Tenderers 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 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 receive is not in conformity with the requirement of the T.E such offer shall be ignored.

### **3. INSPECTION**

- 3.1 Supplies shall be subject to the inspection and acceptance by the complete inspection authority nominated and purchaser, who will arrange it at his own cost, inspection facilities such as tools, test equipment, instrument etc will, however, be provided by the suppliers in accordance with the relevant specifications.
- 3.2 Where considered necessary by the purchaser, stores may be obtained on warranty / guarantee, subject to inspection on receipt. Rejected store will be removed and

replaced with the acceptable store by the supplier at his own expense, within a specified time.

### 3.3 **TENDER SAMPLE**

Where required offer must accompany tender sample strictly according to the description given T.E. 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 bids or proposals, but is not required to justify those grounds.

## 4. **ACCEPTANCE 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 proposals. The procuring agency shall upon request communication to any supplier or contractor who submitted a bid or proposal, the ground for its rejection of all submitted a bid or proposal, but is not required to justify those ground. but is not required to justify grounds for its rejection. POF shall incur no liability towards suppliers or contractors who have submitted bids or proposals.

4.1.2 Procuring agency shall incur no liability, solely by virtue of its involving 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 proposal shall be given promptly to all suppliers or contractors that submitted bids or proposals.

### 4.2 **PERFORMANCE BOND**

a) The successful bidder will provide performance bond at the rate of 10% of F.O.B. Value of contract in favour of Controller of Military Account (CMA) Pakistan Ordnance Factories, 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 shall be furnished within 45 days from the date of opening of Letter of Credit. It shall be valid for a period of Two Years after the date of expiry of letter of credit. If performance bond is not furnished, within the above mentioned prescribed time of 45 days, the purchaser reserves the right to:

i) Cancel the contract and make other arrangement 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 US\$50,000 and contract is placed directly 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 remain 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**

4.4.1 Payment will normally be made by means of irrevocable letter of credit. Scheduled of payment is as under:

- i) 80% payment after shipment of store, on submission shipping document alongwith PSI certificate to the bank.
- ii) 20% Payment will be released after FAT at POF Wah Cantt.

4.4.2 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 tenderer 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, alongwith the specifications, drawings etc. if any, enclosed herewith even if you are unable to quote.

#### **WARNING**

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

Yours faithfully,

Tele + 92-51-905521090  
+ 92-51-905521099

DIRECTOR SERVICES  
Fax + 92-51-9271400  
Fax + 92-51-9314100

## **PAKISTAN ORDNANCE FACTORIES**

SCHEDULE TO TENDER NO. **457-FP-Capt-DS-Elect**, Dated: **31 -01-2018**

To be opened on **06-03-2018**

### 1. FOR MATERIALS

(1)	(2)	(3)	(4)	(5)		(6)
Item No.	Description with spec etc	Unit	Qty (Units)	Price per unit for C&F delivery.		Delivery date
				Price in figure	Price in words	
1.	Underground Utility Scanner (as per detail given in Annexure-A)	Nos.	01			

### 2. For Plant & Machinery:

Specifications: - Attached as [Annexure-A](#)

Specifications may also be downloaded from POF Website ([www.pof.gov.pk](http://www.pof.gov.pk)).

### 3. Special Conditions:

- 3.1 Quotation/Offer are invited from the renowned OEM (Original Equipment Manufacturer) regarding of supply of Underground Utility Scanner.
- 3.2 OEM may quote directly or through their authorized dealers in Pakistan.
- 3.3 Warrantee / Guarantee shall be valid for Two (02) years from the date of acceptance at purchaser premises. The firm shall replace all the spares at no cost, which fall during the warranty period.
- 3.4 The supplier shall provide operational and maintenance training of the equipment at purchaser's premises to four (04) Officials for 05 working days:
- 3.5 The supplier will bear all expenses on account of training, air ticketing, boarding/loading, including transportation & 30% D.A of visiting team.
- 3.6 Pre Shipment inspection (PSI) will be carried out by the 03 officials for 01 week at OEM premises. Supplier will bear all expenses on account of training, air ticket, Boarding / loading, inland transportation & 30% D.A of visiting team.
- 3.7 Authorized dealers of the renowned OEM may submit the quotation on behalf of their principal at abroad.
- 3.8 Offers with conditions like availability of export permit or any other restrictions will not be accepted.
- 3.9 Firm will provide their complete company profile alongwith following information in the technical part of the tender.

- a) Detail of firm’s capabilities, experience & performance in relevant field as mentioned in this tender.
- b) Complete data of the similar product supplied to any organization/industry or installed anywhere in Pakistan during last five year.
- c) Detail of testing facilities of the product available at firm’s premises

4. **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 1281-A, 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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature of the Tenderer \_\_\_\_\_  
 Name \_\_\_\_\_  
 Position \_\_\_\_\_  
 Address \_\_\_\_\_  
 Income Tax G.I.R No. \_\_\_\_\_  
 Official stamp.

**TECHNICAL SPECIFICATIONS OF**  
**GROUND PENETRATING RADAR (GPR) BASED UNDERGROUND UTILITY SCANNER**  
**(Qty: 01 No. with all standard accessories)**

**1. GENERAL REQUIREMENT**

- 1.1 Portable Ground Penetrating Radar (GPR) based Utility Scanner for locating the position and mapping of underground cables and water network, complete in all aspects of hardware, software and accessories.
- 1.2 Typical use to Identify and mark the location and depth of service utilities i.e gas, communications, sewerage lines and other metallic and nonmetallic objects.
- 1.3 Detection of Metallic, PVC & HDPE Pipes, underground water lines, Electrical & Telephone Cables, underground storage tanks, sewerage line, stone/any hindrance.
- 1.4 Detection of leakage in underground water lines (Metallic / Non-metallic), sewerage lines & storage tanks.
- 1.5 System shall be rugged and can withstand the site's toughest conditions and weather proof.
- 1.6 Rugged, four-wheel cart design.

**2. SPECIFICATION**

- 2.1 Typically measuring depth range (min) : 6 inches - 16 feet (0.15m - 5m)
- 2.2 Data collecting speed :  $\geq 5$  km/h
- 2.3 Display : Color Touch screen with LED Backlighting, Min. 10-inches, HD daylight-readable
- 2.4 Data Storage Internal Memory : 128 GB SSD
- 2.5 Communication : USB Port
- 2.6 Working Temperature :  $-2^{\circ}\text{C}$  to  $55^{\circ}\text{C}$
- 2.7 Protection : IP65
- 2.8 Type of ground : Concrete, brickwork, soil
- 2.9 Power Supply : 220Vac  $\pm 10\%$ , 50Hz
- 2.10 Battery Backup :  $\geq 8$  Hours

**3. SOFTWARE**

- 3.1 User friendly software to identify & pinpoint all type of objects with different marking and exact location / depth of the object.
- 3.2 Identify, clarify and interpret data with enhanced 3D capabilities.
- 3.3 Capable to show multiple interactive views of 2D & 3D data and to create shapes (pipes, objects, lines, etc.) from the GPR data, which can then be exported for integration with CAD drawings in easy to understand format.
- 3.4 Capable of measure higher resolution and easier to understand images.
- 3.5 Realtime Signal Processing, Data Storage and Playback.

- 3.6 Easy-to-use touchscreen interface and Control Unit.
- 3.7 Ability to store and replay data.
- 3.8 Full GPS integration.
- 3.9 Google Earth Integration.
- 3.10 Advanced display modes, including 3D visualization.
- 3.11 Report Generation.

#### **4. SPARES**

Essential spare parts including but not limited to the following: -

- 4.1 Backup Battery (Qty: 01 No.)
- 4.2 Battery Charger (Qty: 01 No.)
- 4.3 The supplier shall provide recommended list of spares with item-wise prices and guarantee for provision of spares for 10 years.

#### **5. ACCESSORIES, DOCUMENTATION & SOFTWARE**

- 5.1 Latest model Portable Rugged Laptop Intel core i7 for Data Processing, Analyzing and mapping, duly loaded with all requisite Software.
- 5.2 All standard accessories of the system should be included.
- 5.3 Item wise price of optional accessories may be quoted separately
- 5.4 Rugged and waterproof packing for transportation.
- 5.5 All documents/Manuals and Software on CD/DVD for any level of programming, configuration, optimization and calibration should be included in supply in English language.
- 5.6 Technical offers of the system shall also be provided in softcopy in CD/DVD/Flash Drive along with hardcopy.

#### **6. FUNCTIONAL TEST / TRIALS, INSPECTION & ACCEPTANCE CRITERIA**

- 6.1 Functional test / trial, Pre-shipment inspection & training shall be carried out by three (03) Officials of purchaser at manufacturer's premises for one (01) week.
- 6.2 The supplier shall provide Operation and maintenance training for programming, configuration, calibration and trouble shooting at all level of applications.
- 6.3 All expenses for air ticketing, boarding lodging and training including local traveling during training will be borne by supplier.
- 6.4 The supplied equipment shall be finally accepted after satisfactory performance and functional test & trial at purchaser's premises.

#### **7. TRAINING AT PURCHASER'S PREMISES**

- 7.1 The supplier shall provide operational and maintenance training of the equipment at purchaser's premises to four (04) Officials for 05 working days.

#### **8. WARRANTEE / GUARANTEE**

- 8.1 Warrantee / Guarantee shall be valid for Two (02) years from the date of acceptance at purchaser premises.
- 8.2 The firm shall replace all the spares at no cost, which fall during the warranty period.