



POF 1262  
(FOREIGN PURCHASE)

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

To

Dear Sirs,

Reference: Tender Enquiry No. 0003-FP-Capt-47-TAF DATED 05.12.2017

You are requested to submit 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 **11.01.2018** and must reach this office on or before 1200 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 No: **0003-FP-Capt-47-TAF DATED 05.12.2017.**  
Tender to be opened on: **11.01.2018 at 12.30 Hours.**

Address as follows:-

**MANAGING DIRECTOR**  
**PAKISTAN ORDNANCE FACTORIES,**  
**GADWAL, WAH CANTT (PAKISTAN).**  
**Post Code 47040**

1.3 If envelop does not indicate reference of TEs or received late, the same may be returned un-opened.

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

2.1 **For Plant & Machinery;** you are required to quote in two parts:

**Part-I:** **“Technical Offer”** It should exclusively give technical details and literature / brochures of the offered plant, machinery & equipment, validity date, delivery schedule and signed undertaking given on the schedule to this tender enquiry. It must not indicate price, costs etc. Country of origin should be clearly mentioned.

**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 with out price" & Part-II "Commercial Quotation with price".

- 2.2 The quotation must remain valid for, at least 90 days from the date of opening of tenders.
- 2.3 The quotation should hold good for any reduced or enhanced quantities without notice.
- 2.4 In the event of non-acceptance of offer, intimation may be given to the Tenders on their request.
- 2.5 Conditional offers or alternative offers are likely to be ignored.
- 2.6 Quotations should be based on FOB. 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.
- 2.7 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.
- 2.8 Country of origin and port of shipment to be stated.
- 2.9 Suppliers will render necessary information regarding hazardous effects on environment, of the materials/products supplied by them alongwith shipping / despatch documents.
- 2.10. The supplier will furnish a declaration regarding Fee, Commission & brokerage etc payable by the firm alongwith shipping documents.
- 2.11 If the requisite information is not furnished on the TE form or offer received is not in conformity with the requirement of the TE each offer should be ignored.

### 3. **INSPECTION**

#### 3.1 **Training**

- i. Free of cost training of 04 x POF Engineers/Technicians for 01 week on operation and maintenance of compressor at manufacturer's premises.
- ii. Pre-shipment inspection / acceptance of machine at firm's premises will be conducted by 02 POF Engineers/Technicians for 01 week. The inspection Team besides others will particularly carry out trial run of compressor and it will be considered satisfactory subject to smooth continuous running of compressor for 48 x hours and meeting the requirement down in the contract.

- iii. Air Tickets, boarding / lodging, Daily Allowance (@ 30% of DA), Inland transportation in respect of training and PSI team would be the responsibility of the supplier.

#### **4. Installation & Commissioning**

- 4.1 Installation & commissioning of the Compressor at POF TA Factory Wah Cantt (Pakistan) shall be the responsibility of the supplier. The supplier will also be responsible to provide complete installation materials, Accessories including piping alongwith compressor. Foundations drawings will have to be provided at least 02 x months before shipment of the compressor.
- 4.2. Commissioning of the compressor will be considered successful subject to trouble free & continuous capacity run for 72 hours.
- 4.3. The supplier will provide Warranty /Guarantee certificate, which will be valid for a period of 12 months after successful installation & commissioning of the machine.
- 4.4. Air Tickets, boarding / lodging & inland transportation in respect of supplier's Engineers at purchaser's site would be the responsibility of the supplier.
- 5. **Country of origin:** Europe USA, UK or Japan only.

#### **6. ACCEPTANCE OF OFFERS**

- 6.1 POF may reject all bids or proposals at any time prior to the acceptance of bids or proposals, 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.

#### **7. PERFORMANCE BOND**

- (a) The successful bidders will provide Performance Bond at the rate upto 10% of FOB 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.

8. 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 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.

9. PAYMENT

Payment will be made by means of irrevocable Letter of Credit. 80% payment will be made against shipping documents & acceptance report of PSI team countersigned by the consignee. Balance 20% payment will be released on receipt, commissioning, satisfactory performance & successful trial run of the machine at consignee premises.

All bank charges incurred in Pakistan in connection with the establishment of LC will be borne by the purchaser, whereas all bank charges incurred in connection with drawing of payment including charges for confirmation of LC by the advising bank / foreign bank will be borne by the supplier.

10. 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 offer 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 name would be liable to be removed from the approved list

Yours faithfully,

MANAGING DIRECTOR  
POF Gadwal & TAF  
For PAKISTAN ORDNANCE FACTORIES

SCHEDULE TO TENDER ENQUIRY NO. 0003-FP-Capt-47-TAF, DATED 05.12.2017

(1) FOR MATERIALS N.A.

(2) For Plant &amp; Machinery:

Sr. No	Description of Store	Unit	Qty	Price per Unit		Delivery Schedule
				FOB or Free delivery	In Figures In Words	
1	Rotary Screw Type Air Compressor as per specification mentioned in Annex-"A" enclosed.	No	01			Within 06 months after opening of LC.

Specifications:- Enclosed Annex-"A"(3) Special Conditions

- i. Pre-shipment inspection of machine will be carried out by PSI team of POF at supplier's / manufacturer's premises. The supplier will ship the machine only after having satisfactory inspection report by PSI team, countersigned by the consignee.
- ii. POF will hold no responsibility for any damage occurred during shipment of machine.
- iii. List of Elect / Mech spare parts required for 5000 operation hours with itemized price must be furnished by the supplier.
- iv. Reputable European /USA/UK/Japan OEMs can participate and are required to provide following information:
  - a. Proof of being OEM with profile / brochure.
  - b. Financial status by showing the annual turnover.
  - c. List of similar supplies in past their financial value & references.
  - d. Well established suppliers can take part by indicating their OEMs
- v. Foreign suppliers/manufacturers will bear all expenditure of boarding, lodging of 05 x members of PSI/training teams.
- vi. FOB and C&F prices of the machine should be indicated separately.

(4) Undertaking

Should our offer be accepted, we hereby undertake to supply the stores/render the Services contracted on the basis of Conditions of contract embodied in Form POF 1280 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 .....

Signature of the Tenderer.....

Date .....

Name .....

Position .....

Address .....

TUNGSTEN ALLOY FACTORY

SPECIFICATIONS OF ROTARY SCREW TYPE AIR COMPRESSOR

1. Description & Technical data:

Rotary Screw Type air compressor having following features:

i. Compressor Type	Rotary screw dry air compressor along with suitable refrigeration system, air drier, heat exchanger and air vessel.
ii. Capacity	4.5 – 5 M <sup>3</sup> / Min
iii. Working Pressure	10 bar
iv. Discharge Pressure	09 bar
v. Cooling System	Water Cooled
vi. Lubrication system	Oil lubrication
vii. Drive system	Direct coupled
viii. Power supply	400 ± 5% , 50HZ, 3Phase 40 KW Max, H.P 50
ix. Main Compressor Motor Power.	37 KW Max.
x. Sound Level	70 dba max
xi. Quality air after Air dryer and Refrigeration system:	a) Solid impurities 50µm (max) b) Water contents 10g/m <sup>3</sup> (max) c) Oil Contents 25mg/ m <sup>3</sup> (max)

2. SAFETY DEVICE

Safety devices in accordance to International standards must include the followings.

- i) High discharge temp. tripping system
- ii) Over current tripping system
- iii) High air pressure tripping system
- iv) Oil pressure tripping system
- v) High noise attenuation system
- vi) Safety valves of compressor & vessels

3. Control

Digital control for all functions including fault diagnostic system.



4. **Lubrication system**

Oil based injection system for compression area, bearing and shaft seals. It should also serve as lubrication absorption of heat and seals the rotors.

5. **Operating Temperature**

- a) Suction air temperature varies from  $-5^{\circ}$  C to  $+ 50^{\circ}$  C
- b) Discharge compressed air temperatures should not exceed than  $8^{\circ}$  C

6. **OIL & WATER SEPARATOR**

The compressor should have oil and water separator units to ensure oil & water flow.

7. **Gauges**

Discharge temperature gauge and discharge pressure gauge must be provided. Flow hours meter and on load hour meter must be installed.

8. **Documentation**

04 x sets of following documents in English language are required

Electric sequence control circuit diagram of compressor.

- a) Detail of motors and their control
- b) Operating, maintenance and service manual.
- c) Working drawing of compressor.

9. **Spare parts**

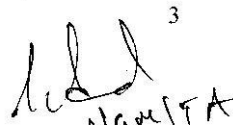
- a) Electrical, Electronic & mechanical spare parts for 5000 operating hrs.
- b) Certification regarding availability & provisioning of Electrical, Electronic & Mechanical spare parts for 10 years maintenance.

10. **TOOL KITS**

Tool kit for running and planned maintenance.

11. **TRAINING**

- a) Free of cost training of 01 x week for 04 POF Engineers / Technicians on operation maintenance of the compressors at manufacture's premises.
- b) Pre – shipments inspection / acceptance of machine at firm's premises will be conducted by 02 x POF Engineers. The inspection team besides others will particularly carry out trial run of the compressor and it will be considered satisfactory subject to smooth continuous running of compressors for 48 x hours and meeting the requirement down in the contract.

3  


- c) Air ticket, boarding / lodging, daily allowance (@ 30 % of D.A) and inland transportation in respect of training & PSI teams would be the responsibility of the supplier.

**12. INSTALLATION & COMMISSIONING**

- a. Installation & Commissioning of the compressor at POF Wah Cantt shall be the responsibility of the supplier. The supplier will also be responsible to provide , completed installation materials. Accessories including piping alongwith the compressor. Foundations drawings will have to be provided a least 02 x month before shipment of the compressor.
- b. Commissioning of the compressor will be considered successful subject to trouble free & continuous capacity run for 72 x hours.
- c. The supplier will provide Warranty / Guarantee Certificate , which will be valid for a period of 12 months after successful installation and commission of the compressors.
- d. Air tickets, boarding / lodging, and inland transportation in respect of suppliers engineers at purchasers site would be the responsibility of the supplier.

**13. SPECIFICATION FOR ELECTRICAL EQUIPMENT**

a. **SITE & OPERATING CONDITIONS.**

The temperature variation between winter and summer is from -5 ° C to 50° C. The relative humidity varies between 15 % to 90 percent RH. The high humidity period does not exceed 02 months in the year. The machine will be installed inside the machining shop.

b. **SPECIFICATION.**

The acceptable specification will be those being governed by IEC recommendation

c. **INSULATION**

The requirement is for Class B insulation

*Handwritten signature*  
4  
ALGULFA



14. **SUPPLY SYSTEM.**

- a. 400  $\pm$ 5% VAC, 50 Hz, 3 Phases, 4Wire Systems.
- b. 220 $\pm$  5% VAC, 50 Hz, 01 Phase.
- c. The equipment should be earthed.
- d. Equipment should have line protection circuit breaker with the thermally delayed overload release and or electro –magnetic quick-acting release, as required. It should e followed by cup-out and safety fuzes to provide optimum selectivity, if necessary
- e. All motors should be appropriately protected.
- f. the industrial electrical measuring instruments, wherever and used should have an accuracy of Class J or better.

Note: Equivalent DIN specifications are acceptable for electrical equipment.

15. **COUNTRY OF ORIGIN.**

Europe, UK, USA, and Japan.