



POF 1262
(FOREIGN SUPPLIES)

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

To,

M/s _____

Dear Sirs,

Reference: **TENDER ENQUIRY NO. 5167-83-FP-CAPT-SJL DATED:08-01-2021**

You are requested to submit quotations for the items(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 **1200 Hours** on **11-02-2021** at Room No. 01, Bid Center near Rabta Hall POF Wah Cantt and must reach this office on or before **1200 Hours** 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:

5167-83-FP-CAPT-SJL

Tender to be opened on:

11-02-2021

Address as follows:-

**ROOM NO. 01, BID CENTER NEAR RABTA HALL POF
WAH CANTT**

1.3 If envelope does not indicate reference of TE or received late, the same may 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 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 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 remain valid for at least 90 days from the date of opening of 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 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 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 TE form or offer received is not in conformity with the requirement of the TE, Such offer shall be ignored.

3. **INSPECTION**

3.1 Supplies shall be subject to the inspection and acceptance by the competent inspection authority nominated by the Purchaser, who will arrange it at his own cost, inspection facilities such as tools, test equipment, instruments 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 stores will be removed and replaced with the acceptable stores 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 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 TE.

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 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 favor 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**

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.

5. **SECURITY OF INFORMATION**

The tenderer and his employees must not communicate any information relating to the Sales/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/stamped by the specified date, alongwith 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.

(Riaz Ul Haque)
Managing Director
For Pakistan Ordnance Factories

Tele:
E-mail: mdsjl@pof.gov.pk

Fax:
Cable:

TO BE OPENED ON**11-02-2021**

Sr. No.	Description Of Store	A/U	Qty	Price Per Unit	Delivery Date/Period
1.	Dynamic Balancing Machine for 122mm, 125mm, 130mm & 155mm HE, BB, BT, BBRA Shell Bodies (as per specifications attached as Annex –A)	Off	01		

SPECIAL TERMS & CONDITIONS:**For Foreign Suppliers Only**

- a. Payment would be released as per following:
- i. 50% payment may be released on submission of despatch documents
 - ii. 30% payment will be released on receipt of Dynamic Balance machine & inspection at site
 - iii. 20% payment will be released after installation, commissioning and satisfactory completion of trial run

For Indigenous Suppliers Only:

- a. Any eligible indigenous bidder can offer on FOR basis.
- b. Tender Fee: tender must be accompanied by a non refundable fee by means of cross Pay order of Rs. 500/- in favor of MD POF Sanjwal.
- c. Bid Money: Bid Money @ of 2% for registered firms and 5% for unregistered firms of the quoted value in the form of CDR in favor of GM PPC POF Sanjwal.
- d. Tender received without tender fee and bid money shall be rejected.
- e. Only registered supplier with sales tax and income tax departments who are on active tax payers list (ATL) of FBR are eligible to participate in the bid.
- f. Photocopy of NTN & PTC certificates duly attested by Gazetted class-1 Officer must be attached with the bid.
- g. Rates & Taxes must be shown separately otherwise rate will be considered inclusive of taxes.
- h. Indigenous suppliers are required to quote their prices in PKR. 100% Payment will be made after acceptance of store at POF Sanjwal.
- i. In case pre-shipment Inspection is required to be carried out, Supplier will be bound to bear the charges incurred in Air Traveling to and fro, Boarding/Lodging, Inland Transport charges, General Medical of visiting team.

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, 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 _____
Stamp _____

Signature of the Tenderer _____
Name _____
Position _____
Address _____

TECHNICAL SPECIFICATIONS OF DYNAMIC BALANCING MACHINE

1. **Nomenclature:**

Dynamic balancing testing machine for 122mm , 125mm, 130mm & 155mm HE, BB, BT & BBRA Shells

2. **Quantity:** = **01 off**

3. **Technical Requirements:**

a. For dynamic balancing testing of 155mm BB, BT & BBRA Shell bodies, under mentioned drawings of the job will be followed. The drawings may be provided on request.

Shell	Drawing No
155 mm BB, BT & BBRA	PDO/H/COM-440 E

b. Material for Component is High Fragmentation Steel (HF1).

c. Dynamic balancing output in single shift of 2000 working hrs. = 20000 Nos.

4. **Machine Features:**

Sr. #	Features	Unit	Parameters
i.	Maximum length of work piece to be checked	mm	1000
ii.	Maximum outer diameter of work piece	mm	200
iii.	Balancing speed	rpm	05 ~ 2000
iv.	Maximum weight of work piece	kg	100
v.	Residual unbalance Range	gram	1 ~ 500
vi.	Bearing journal diameter	Specs be provided	
vii.	Measuring instruments	Specs be provided	
viii.	Machine must have both Drive Driven & Belt driven operating		
ix.	Digital measuring units and control panel for unbalance calculations preferably CAB 950 or latest		
x.	Special brackets for holding the work piece		
xi.	Printer with mounting kit for balancing documentation		
xii.	Protection against contact with rotating parts and projected fragments as per ISO-21940-23		
xiii.	Position of job Holding Bearings must be adjustable (vertical/horizontal)		

5. **Applicable Standard:**

- For Machine accuracies, latest issued standards, in force at the time of placing order, shall govern various aspects of the work, as mentioned at Para 4.
- Facilities for inspection such as tools, test equipment, instruments etc would be provided by the suppliers in accordance with the relevant specifications.

6. **Accessories**

- 02 x Nos of standard pieces for calibration and testing of machine accuracy.
- Automatic centralized lubrication system for bearings.
- Full door with sliding door interlock and large safety glass windows with optimum accessibility for operator and maintenance staff.
- Low wear laminated glass should be provided as safety glass panes.
- Machine lights minimum 02 numbers.
- Voltage stabilizer and isolation transformer suitable for machine.
- The supplier will provide complete tool kit for electrical, Instrument & mechanical maintenance of machines.
- If machine requires a separate foundation, then a detail foundation plan and design will be provided by supplier.

7. **Spares:**

- a. 02 x years essential maintenance and operation spares would be supplied along with machine, which should be quoted separately.
- b. Spare part list would be provided along with specification of each.
- c. Backup support for provisioning of spares for 15 x years is to be ensured.

8. **OEE:**

Overall equipment efficiency of the Balancing machine should be 85%.

9. **Safety:**

- a. All Machinery should be equipped/provided with all safety gadgets/accessories.
- b. Noise level must be less than 85 db, for each machine.

10. **Misc:**

- a. System should be safe to handle spike and surge (Transient).
- b. Foundation drawing will be provided by supplier.
- c. All information required for various power sources including total power consumption.
- d. The machine should have environmentally friendly systems.
- e. The supplier will provide complete tool kit for electrical, Instrument & mechanical maintenance of machines.
- f. Software Backup of the control system will be provided.

11. **Site Conditions and Available Services:**

- a. Temperature:
 - Winter = -5 to + 25 °C
 - Summer = + 25 to 55 °C
- b. Relative Humidity = 25 to 90%
- c. Earthquake Value = 6.0 on Richter scale
- d. Electricity 400 Volts, 50 Hz, Three Phases. } ± 05 % in normal conditions.
- e. Electricity 220 Volts, 50 Hz, Single Phase. } ± 10 % in contingency conditions
- f. Compressed air pressure 6 bar (Max)

12. **Backup Service Support:**

The supplier shall confirm that after Installation of Dynamic Balancing Machine, there shall be backup support at least 15 years as & when required by the purchaser. In addition, the purchaser

shall be kept informed regarding latest advancement in the related technology for further improvement in the production and operation of machines.

13. **Terms of Delivery & Packing:**

The Dynamic Balancing Machine will be delivered as per following terms:

- a. The delivery will be on C & F Karachi basis. Freight may be indicated.
- b. Sea Worthy packing.
- c. Marking and stenciling as per contractual terms and conditions.
- d. Machine parts would be lettered in English and / or internationally recognized symbols.
- e. Machines are required to be made ready for PSI within 04 to 06 months after confirmation of Contract order.
- g. Dispatch of machines must be ensured within 01 x month after successful completion of PSI and Training.

14. **Literature:**

Literature must be in English Language inclusive but not limited to:

- a. 04 x sets of operating manuals
- b. 04 x sets maintenance manuals
- c. Details of electric schematics
- d. Brochures of the offered model

15. **Training**

- a. The supplier will provide training to POF personnel at no additional cost to the extent of 03 x men for 01 x week for Dynamic Balancing Machine of Shells 155mm BB, BT & BBRA Shells in the field of machine setting, operating of machine, inspection, mechanical, electrical and electronics maintenance related to machine at supplier's and its sub contractor's premises.
- b. Training expenses of POFs personnel, at Supplier's premises including boarding, lodging, return Air Tickets etc. will be borne by the Supplier.
- c. During stay on site at Purchaser's works, supplier's engineers shall train the concerned production, maintenance, instruments and Inspection personnel for satisfactory & safe use of machines.

16. **Pre-Shipment Inspection:**

- a. Supply of machines shall be subject to Pre-Shipment Inspection (PSI) and acceptance by the designated team comprising of 02 x officers for 01 x week.
- b. Inspection facilities for machines such as tools, test equipment, instruments etc will, however, be provided by the Suppliers in accordance with the relevant specifications.
- c. The supplier shall provide assembly protocol during PSI including assembly of Control panel, Pneumatic system, Hydraulic system and electrical components.
- d. The supplier will ensure calibration and testing of machine with 02 x Nos Standard pieces having minimum and maximum residual unbalance.
- e. For PSI 05 x dummy components will be made available by the supplier suitable to perform function test of the machines with no additional cost and having residual unbalance range mentioned at Para 4.
- f. The clamping arrangement must be suitable enough to hold the component. Further, flexibility must be ensured to hold and check other calibers shells.
- g. The demo components should indicate the unbalance parameters as per drawing requirements mentioned in Para 3.
- h. Expenses of POFs personnel during PSI, at Supplier's premises including boarding, lodging, return Air Tickets etc. will be borne by the Supplier.
- i. The machines & equipment will be dispatched by supplier only after the receipt of pre-delivery trials acceptance certificate issued by the purchaser, certifying that the machines & equipment have qualified the requirements.

- j. Rejected machines/equipments will be removed and replaced with the acceptable one by the Supplier at his own expense, within a specified time.
- k. The supplier will render warranty /guarantee certificate as per Annex B.

17. **Installation, Commissioning and Trial Production Run**

- a. The Dynamic Balancing Machine shall be commissioned and trial production of the machines shall be carried out by supplier's engineers. However, Purchaser shall provide required number of operators and technicians for the commissioning and trial production of the machines.
- b. The supplier is to indicate the total man-weeks of his engineers / technicians required for installation, commissioning and trial production of the machines. Terms and conditions are to be stated clearly.
- c. All expenses, including boarding & lodging, air travel and daily allowances of the engineers / technicians are to be borne by the supplier. Local transportation shall be arranged by the Purchaser. The supplier is to indicate the time schedule for the completion of whole project.
- d. The oil and process lubricants required 1st time to run the machines for one year shall be supplied by the supplier.

18. **Final Acceptance Test (FAT)**

- a. Final acceptance test will be performed at purchaser premises. This test will be carried out with the technical assistance of the supplier and will comprise of calibration and testing of machine with standard piece and successful check of acceptable quality of dynamic balancing of 155mm BB, BT & BBRA ammo Shells as per criteria mentioned at Para 3.
- b. The Machine will be trial run for 14 days. The input materials shall be supplied by Purchaser.
- c. Qty. 500 x components will be checked as per drawing requirement to check/confirm the unbalance parameters of the components.
- d. The supplier experts will stay, at supplier cost till the production has been achieved provided such delays are attributable to supplier. Supplier men should stay for 01 week after successful trial run to look after / handle the machine problems at supplier's expense.
- e. The Spares and Process lubricants consumed during trial production run will be borne by the supplier. Delay penalty will also be imposed @ 2 % per month of contracted value for the delayed period of achievement of production run of the machines beyond the schedule date of final acceptance and will be deducted from balance 20% payment connected with production run.
- f. In case, the machines could not be commissioned by the OEM, the same will be commissioned by utilizing local available expertise at the risk and cost of the OEM.

19. **Acceptance of Offers:**

The right to accept or reject any offer in full or in part is hereby reserved.

20. **Performance Bond:**

The successful bidder will provide Performance Bond at the rate of 10% of F.O.B. value of the contract in favor of CMA (Store) POF Wah Cantt. The Performance Bond will be furnished in the form of Deposit at Call Receipt 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 period of 24 months after the date of expiry of letter of Credit. If the Performance Bond is not furnished within the a/m prescribed time, the Purchaser reserves the right to cancel the contract and has the right to take risk purchase action.

21. **Payment:**
- a. Payment will normally be made by means of irrevocable letter of credit. Unless otherwise stated 50% payment may be released on submission of despatch documents to Bank along with pre-shipment inspection acceptance certificate from the purchaser.
 - b. 30% payment will be released on receipt of Dynamic Balance machine & inspection at site.
 - c. 20% payment will be released after installation, commissioning and satisfactory completion of trial run of the machines at purchaser premises against the final acceptance test certificate issued by the Purchaser.
 - d. 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 L.C. by the advising Bank/Foreign Bank will be borne by the Supplier.
22. **Arbitration:**
- All matters of dispute or difference, except regarding rejection of stores by the inspector and/or cancellation of contract by the purchaser arising out of this agreement between the parties hereto, the settlement of which is not otherwise specially provided for in this agreement, shall be referred for adjudication to two arbitrators, one to be named by each party, who before entering upon the reference shall appoint an umpire by mutual agreements, and if they do not agree a judge of superior court shall appoint the umpire, the arbitration proceedings shall be held in Pakistan under the Pakistan law. The arbitration awards shall be un-spoken.
23. **Warranty Guarantee:**
- a. The Dynamic Balancing Machine and accessories shall be accepted on Supplier's Warranty / Guarantee with regard to quality and quantity subject to these being technically checked/tested and accounted for on arrival at Consignee's ware-house in presence of supplier's rep (if desired by supplier) at their cost. The supplier shall render Warranty / Guarantee certificate in duplicate to the Purchaser on the enclosed Preformed attached as **Annex B** as soon as stores have been dispatched/delivered. This Warranty / Guarantee shall be binding on the Supplier for a period of 12 months reckoning from the date of commissioning of the machines.
 - b. In case the stores on checking / test after receipt at Consignee's warehouse are found not conforming strictly to the relevant specification and other particulars are found damaged during transit, the Supplier shall immediately replace the rejected/damaged stores by acceptable stores, free of cost, and without any obligation to the Purchaser. Rejected / damaged stores shall be disposed off by the Supplier under his own arrangements.
 - c. The supplier shall warranty the good quality of all equipment supplied against all defects or failures due to faulty design, material, or workmanship.
The supplier shall also provide Guarantee for meeting the requisite quality and quantity of products. In case of any deficiency in term of quality or quantity of products, all related expenditure to fulfill commitment shall be borne by the supplier.

WARRANTY/GUARANTEE CERTIFICATE

Firm’s Name:

1. We hereby guarantee that the store/goods supplied against the Contract are in all respect in accordance with the relevant specifications and terms of the contract and that the materials used, whether or not of our manufacture, are in accordance with the latest approved standard specifications complete, are of good workmanship/quality throughout, and that we shall replace free of cost, every article or part thereof which before use or in use, shall be found defective, or not within the limits and tolerance of specification requirements, or in any way not in accordance with the terms of the contract.

2. In case of our failure to replace the defective stores free of cost within the period specified by the purchaser, we will refund the relevant cost.

3. The Warranty/Guarantee will remain valid for 12 months from the date of satisfactory completion of Trial Run.

Signature: _____

Name: _____

Status in firm: _____

Dated: _____

Capital Purchase
Special Points To be Considered While Preparing Commercial Bid

Commercial offers in the line with the following clarification would be considered acceptable otherwise the same will stand rejected.

- a. FOR/FOB & C&F Cost of Machine alongwith accessories etc.
- b. List & Cost of Tooling.
- c. List & Cost of Spare Parts for two years.
- d. Cost of Training & installation / Commissioning charges.
- e. Acceptance of travelling expenditure of PSI team including boarding / lodging, air ticket, inland traveling charges & 30% DA.
 - a. Payment would be released as per following:
 - i. 50% payment may be released on submission of despatch documents 30% payment will be released on receipt of Dynamic Balance machine & inspection at site 20% payment will be released after installation, commissioning and satisfactory completion of trial run

For Indigenous Suppliers Only: Confirmation regarding obtaining of export permit. Confirmation regarding submission of 10% Performance Bond.