



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

TO

PPRA & MIS

Dear Sirs,

Reference: TENDER ENQUIRY NO. **4145-EM-17(05)-FP-PUR-Hosp** DATED **04.01.2017**

You are requested to submit sealed quotations for the item(s) NOTED ON THE Schedule to the Tender. Please note the following instructions for filling the tender:-

1. SUBMISSION OF TENDER

1.1 Tenders will be opened at **1230** hours on **6-February- 2017** and must reach this office on or before 1200 hours. 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: **4145-EM-17(05)-FP-PUR-Hosp**
Tender to be opened on: **6-February- 2017**
Address as follows:- **DY.COMMADANT -POF-HOSPITAL
POF WAH CANTT. (PAKISTAN)**

2. GENERAL INSTRUCTIONS REGARDING PREPERATION 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; 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 quotations should hold good for any reduced or enhanced quantities without notice.
- 2.5 In the event of non-acceptance of offer, no intimation will be given to the Tenders.
- 2.6 Conditional offers or alternative offers are likely to be ignored.
- 2.7 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.
- 2.8 **Offer submitted only by manufacturers/principals will be entertained and respective OEM must be submitted authorization certificate about their sole distributors/ local representative in Pakistan. Submission of the offer through an agent in Pakistan will not be considered.**
- 2.9 Country of origin and port of shipment to be stated.
- 2.10 If the requisite information is not furnished on the T.E forms or offer received is not in conformity with the requirement of T.E, such offer shall be ignored.
- 2.11 The supplier will render necessary information regarding hazardous effects on environment of the material/products supplied by them, alongwith dispatch documents.
- 2.12 Please ensure fulfillment of condition specified in sub para 2.2 alongwith other conditions.

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 Third party inspection;- Firm will supply the store duly inspected/cleared by the renowned inspecting Agencies like SGS, Lloyd Bureau Varitas etc.
- 3.3 Where considered necessary by the Purchaser, the 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.

4 ACCEPTANCE/REJECTION OF OFFERS

- 4.1 Rejection of any bids will be as per PPRA Rule 33(I).

4.2 PERFORMANCE BOND

- (a) The successful bidder will provide Performance Bond at the rate of 10% of F.O.B value of the contract on the prescribed Performa attached as for satisfactory execution of the order in favour of Controller of Military Accounts (Pakistan Ordnance Factories), CMA Wah Cantt. The Performance Bond will

be furnished in the form of 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 05 years 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 of risk purchase action.

- (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; 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 irrevocable letter of credit. All bank Charges incurred in Pakistan in connection with the establishment 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 will be borne by the Supplier.

5. SECURITY OF INFORMATION

The Tenderers 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 specification drawings etc, if any, enclosed herewith - even if you are unable to quote.

MANAGER PURCHASE-HOSPITAL

PAKISTAN ORDNANCE FACTORIES

SCHEDULE TO TENDER ENQUIRY NO. 4145-EM-17(05)-FP-PUR-HOSP

DATE 04.01.2017.

(1) **FOR MATERIALS**

Item No	Description with Spec etc.	Unit	Quantity	Price Figure	Price in Words	Delivery Date
1.	<u>Detail of Machinery:-</u> VENTILATOR SPECIFICATION:- Attached As Annexure-“B”	Nos.	06			Immediate

(2) **For Plant & Machinery:-**

(3) **Special Conditions.**

- 1 The store must be protected adequately and appropriately to the mode of dispatch against damage from environmental effects, water or other substances during the sea voyage and overland journey to withstand the rough handling involved in transit and prove proper preservation of materials while held in storage by the consignee.
2. Firm should not quote the rates, if their Govt. does not permit them for export of the material to Pakistan.
(ATTACHED AS ANNEXURE-C).

(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 _____

Income Tax G.I.R No. _____

ANNEXURE "B"**Detail of Machinery:****Ventilator (Qty-05 No.)****Specifications:**

- | | | |
|-----------------|---------------------------|---|
| 1. | Dynamic Lung | Real Time Visualization of the Lungs with Representations of Tidal Volume, Lung Compliance, Resistance and Patient Activity. |
| 2. | Vent Status | Visual Representation of Ventilator Dependency, Lung Graphically Display, CO2 Monitoring, Patient SPN Activity. |
| 3. | Target Graphics | Graphic Display of Target and Actual Parameters for Tidal Volume, Frequency, Pressure and Minute Ventilation |
| 4. | weaning Off | Automatic Weaning off form Ventilator by using Patient frequency, Tidal volume and CO2 monitoring. |
| 5. | Numeric Monitoring | More than 50 Monitoring Parameters can be displayed |
| 6. | Display | TFT color Touch monitor 15'' or more with rotary knob. |
| 7. | Real-Time Waveforms | Simultaneous Display of up to 3 Wave forms or up to 2 loops based on Loops based on: volume, flow, airway pressure, auxiliary pressure, or CO2. |
| 8. | Trending | Simultaneous Display of all parameter trends and store up to 120 hours. |
| 9. | Others | Graphic curve freeze and cursor inspiratory/expiratory hold layout can be configured with combination of the Graphic displays described above. |
| Controls | | |
| 10. | Ventilation Modes | CMV, SIMV, SPONT, CPAP, ASV, P-CMV, P-SIMV, BiPAP, APRV, NIV, MMV and AutoFlow. |
| 11. | Special Functions | Built in Nebulizer, Manual Breath, 100% O2, Standby, Sigh, High Flow oxygen Therapy, Screen-Lock, Apnea Backup Ventilation, Tube resistance compensation. |
| 12. | Patient Types | Adult, Pediatric, Infant/neonatal |
| 13. | Patient Height Adjustable | Ventilator Startup by enter Patient Height and Patient weight at standby. |
| 14. | Tidal Volume | 2 to 2000 ml |
| 15. | PEEP/CPAP | 0 to 50 cmH2O. |
| 16. | Oxygen | 21 to 100 % |
| 17. | I: E Ratio | 1:9 – 4:1 |
| 18. | Inspiratory Time | 0.1 to 10 sec or more. |
| 19. | Pause Time | 0 to 8 sec. |
| 20. | Flow Trigger | 0.1 to 15 L/Min |
| 21. | Pressure Control | 3 to 100 cmH2O or more. |
| 22. | Pressure Support | 0 to 100 cmH2O or more. |

23. Additional Features Automatic Leakage for Static Compliance, Automatic leakage compensation, Automatic calibration of flow and O2 sensor.
24. Oxygen Measurement Measurement of Oxygen Sensor should be paramagnet for low running cost (with life time warranty).
- Alarms**
25. Operator Adjustable Low/High Minute Volume, Low/High Pressure, Low/High Tidal Volume, Low/High Rate, Apnea Time, low/high PetCO2, %leak,
26. Special Alarms Oxygen Concentration, Disconnection, Exhalation Obstruction, Check Setting, Flow Sensor Alarms, Power Supply, Batteries, Gas Supplies,
27. Event Log Storage and Display of up to 1000 Events with Date and Time Start.
28. Air Source Central supply connection. Air Compressor built in on same trolley and should be from same manufacturer and compressor have battery backup. Air source automatic on in case of central supply failure.
29. Battery Backup Built in Battery backup more than two hour with complete running system.

ACCESSORIES WITH VENTILATOR (ATTACHED)

ACCESSORIES	Qty
1. Breathing Circuit Adult (With water trap)	01 No.
2. Inspiratrey filter	01 No.
3. Expiratory Cover	01 No.
4. Expiratory Membrane	01 No.
5. Test Lung with ETT Tube	01 No.
6. Flow Sensor	01 No.
7. Humidifier with Heating Wires	01 No.
8. Adult Humidifier Chamber	01 No.
9. Power Cords	02 Nos.
10. Oxygen Pipe	01 No.
11. Air Pipe	01 No.
12. Compressor to Ventilator Pipe	01 No.

ACCESSORIES OF VENTILATOR (NOT ATTACHED)

ACCESSORIES	Qty
14. Adult Breathing Circuit Set (Expiratory Cover, Membrane Box, Inspiratory Filter, catheter Mount, Water Trap, Connectors)	01 Set
15. Pediatric Breathing Circuit Set (Expiratory Cover, Membrane Box, Inspiratory Filter, catheter Mount, Water Trap, Connectors)	01 Set
16. Infant Breathing Circuit Set (Expiratory Cover, Membrane Box, Inspiratory Filter, catheter Mount, Water Trap, Connectors)	01 Set
17. Flow Sensor Adult	09 Nos.
18. Flow Sensor Infant	10 Nos.

19. Test Lung	01 No.
20. Catheter Mount	01 No.
21. Guide Wire	01 No.
22. Expiratory Membrane Box	02 Nos.
23. Nebulizer Kit	01 No.
24. Expiratory Cover	01 No.
25. Humidifier Chamber Infant	01 No.
26. Humidifier Refill Paper Adult 100	01 No.
27. Humidifier Refill Paper Infant 100	01 No.

TRANSPORT VENTILATOR (Qty-01 No.)

1. Dynamic Lung	Real Time Visualization of the Lungs with Representations of Tidal Volume, Lung Compliance, Resistance and Patient Activity.
2. Vent Status	Visual Representation of Ventilator Dependency, CO ₂ Monitoring, Patient SPN Activity.
3. Target Graphics	Graphic Display of Tidal Volume, Frequency, Pressure and Minute Ventilation.
4. Numeric Monitoring	More than 50 Monitoring Parameters can be displayed
5. Real-Time Waveforms	Simultaneous Display of Wave forms based on: volume, flow, airway pressure or CO ₂ .
6. Trending	Simultaneous Display of all parameter trends.
Controls	
7. Ventilation Modes	CMV, AC, SIMV, CPAP, BiPAP, Auto flow and NIV.
8. Special Functions	Manual Breath, Standby, Screen-Lock, Apnea Backup Ventilation, Tube resistance compensation.
9. Patient Types	Adult and Pediatric.
10. Tidal Volume	50 to 2000 ml
11. PEEP/CPAP	0 to 20 cmH ₂ O.
12. Oxygen	21 to 100 %
13. I: E Ratio	1:9 – 4:1
14. Inspiratory Time	0.2 to 10 sec or more.
15. Flow Trigger	1 to 15 L/Min
16. Pressure Control	3 to 55 cmH ₂ O or more.
17. Pressure Support	0 to 35 cmH ₂ O or more.
18. Additional Features	Automatic Leakage for Compliance, Automatic leakage compensation.
19. Oxygen Measurement	Measurement of Oxygen FiO ₂ .

Alarms

- | | | |
|-----|---------------------|--|
| 20. | Operator Adjustable | Low/High Minute Volume, Low/High Pressure, Low/High Tidal Volume, Low/High Rate, Apnea Time, low/high PetCO ₂ , %leak, |
| 21. | Special Alarms | Oxygen Concentration, Disconnection, Exhalation Obstruction, Check Setting, Flow Sensor Alarms, Power Supply, Batteries, Gas Supplies. |
| 22. | Event Log | Storage and Display of up to 50 Events with Date and Time Start. |
| 23. | Battery Backup | Built in Battery backup more than 04 hour with complete running system. |

ACCESSORIES WITH VENTILATOR (ATTACHED)

ACCESSORIES		Qty
1.	Breathing Circuit Adult (With water trap)	01 No.
2.	Inspiratrey filter	01 No.
3.	Expiratory Cover	01 No.
4.	Expiratory Membrane	01 No.
5.	Test Lung with ETT Tube	01 No.
6.	Flow Sensor	01 No.
7.	Humidifier with Heating Wires	01 No.
8.	Adult Humidifier Chamber	01 No.
9.	Power Cords	02 Nos.
10.	Oxygen Pipe	01 No.
11.	Air Pipe	01 No.
12.	Compressor to Ventilator Pipe	01 No.
13.	Wall Mounted stand	01 No.
14.	Detachable Transport Trolley.	01 No.
15.	Carrying bag for Ventilator and accessories.	01 No.

ACCESSORIES OF VENTILATOR (NOT ATTACHED)

ACCESSORIES		Qty
16.	Adult Breathing Circuit Set (Expiratory Cover, Membrane Box, Inspiratory Filter, catheter Mount, Water Trap, Connectors)	01 Set
17.	Pediatric Breathing Circuit Set (Expiratory Cover, Membrane Box, Inspiratory Filter, catheter Mount, Water Trap, Connectors)	01 Set
18.	Infant Breathing Circuit Set (Expiratory Cover, Membrane Box, Inspiratory Filter, catheter Mount, Water Trap, Connectors)	01 Set
19.	Flow Sensor Adult	09 Nos.
20.	Flow Sensor Infant	10 Nos.
21.	Test Lung	01 No.
22.	Catheter Mount	01 No.
23.	Guide Wire	01 No.
24.	Expiratory Membrane Box	02 Nos.
25.	Nebulizer Kit	01 No.
26.	Expiratory Cover	01 No.
27.	Humidifier Chamber Infant	01 No.
28.	Humidifier Refill Paper Adult 100	01 No.
29.	Humidifier Refill Paper Infant 100	01 No.

Standard Terms & Conditions:

- 1) List of equipment available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual.
- 2) The firm should have more than 05 years experience in concern line of business.
- 3) Firm must arrange demo unit of quoted model at the time of technical evaluation
- 4) OEM must provide complete information about their local supplier / Sole distributor in Pakistan who will be responsible for after sale services.
- 5) Firm should have certified company trained engineers who must be trained on quoted system.(certificates must be attached with technical bid)
- 6) A comprehensive list of above said units installed worldwide along with after sale service infrastructure in Rawalpindi / Islamabad will be provided.(list must be attached with technical bid)
- 7) Original brochure of quoted model with detailed specifications must be provided by the firm. Net generated brochure will not be acceptable.
- 8) POF reserves the right to reject any firm's offer on the basis of quality/ services issues
- 9) Firm to guarantee the supply of spare parts up 10 years on as and when required basis
- 10) Standardization: FDA or CE
- 11) Power Supply: 220 V AC \pm 10%, 50 Hz.
- 12) Country of Origin: EU/USA/Japan/UK

SPECIAL CONDITIONS

1. STANDARD ACCESSORIES THE COST OF WHICH IS COVERED IN BASIC UNIT SHOULD BE CLEARLY INDICATED AND LISTED AS A PART OF BASIC EQUIPMENT.
2. OPTIONAL ACCESSORIES, IF AT ADDITIONAL COST, SHOULD BE SHOWN SEPARATELY.
3. THE LIST AND PRICE OF RECOMMENDED SPARE PARTS REQUIRED FOR THREE YEARS TROUBLE FREE OPERATION SHOULD BE QUOTED.
4. EQUIPMENT WILL BE INSTALLED AND COMMISSIONED AT POF HOSPITAL WAH CANTT FREE OF CHARGE.
5. THE FIRM WILL PROVIDE **03 YEARS** WARRAANTY/GUARANTEE OF THE ENTIRE SYSTEM FROM THE DATE OF SUCCESSFUL COMMISSIONING. DURING THIS PERIOD REPLACEMENT OF ANY COMPONENT/PART IF NECESSARY WILL BE MADE BY THE FIRM FREE OF CHARGE IN ADDITION TO FREE SERVICE. THE SUPPLIER SHOULD ALSO CONFIRM THAT THEY HAVE PROPER SERVICES AND CONFIRM THAT THEY HAVE LOCCAL REP. ADDRESS, TELEPHONE/FAX NUMBER AND THE CONTACT PERSONS SHOULD BE CLEARLY STATED IN THE QUOTATION AND UNDERTAKING DULY SIGNED BY YOUR LOCAL REP. FOR MAINTAINING AND PROVIDING AFTER SALES SERVICES TO THE EQUIPMENT ON YOUR BEHALF DURING AND AFTER WARRAANTY/GUARANTEE PERIOD MUST BE ENCLOSED.
6. THE FIRM WILL ENCLOSE AN UNDERTAKING TO GUARANTEE FOR SUPPLY OF SPARE PARTS UP TO 20 YEARS AS AND WHEN REQUIRED.
7. CONSUMABLE BEING OFFEREDE FREE OF CHARGE WILL BE IDENTIFIED SEPARATELY.
8. THE FIRM SHOULD MENTION PRODUCT YEAR OF MAUNFACTURING AND REFERENCES WHERE THE QUOTED MODEL IS AVAILABLE/ INSTALLED IN PAKISTAN.
9. THE PAYMENT WILL BE MADE AGAINST L.C. TO BE ESTABLISHED IN FAVOUR OF FOREIGN PRINCIPAL/FIRM. 70% PAYMENT WILL BE MADE AGAINST SHIPPING DOCUMENTS AND BALANCE 30 % ON RECEIPT AND ACCEPTANCE OF MACHINE/EQUIPMENT IN POF.
10. THE SUCCESSFUL BIDDER WILL PROVIDE PERFORMANCE BOND AT THE RATE OF 10% OF FOB VALUE

WARRANTY/ GUARANTEE CERTIFICATE

Firm's Name _____

Contract No. _____

1. We hereby guaranty that the goods supplied against the above contract are in all respect in accordance with the relevant specifications and terms of the contract and that the material used, whether or not of our manufacture, are in accordance with the latest approved standard specifications complete, are of good workshop/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/ Guaranty will remain valid for **03 years** after the receipt of stores by the consignee/installation of the equipment.

Signature _____

Name _____

Status in firm _____

Date _____

Annex-E

**BANK GUARANTEE FOR PERFORMANCE ON
JUDICIAL STAMP PAPER OF RS.100/- OR AS
SUITABLE TO THE AMOUNT OF B.G.**

- i) Contract No. _____ Date. _____
- ii) Name of Firm/Contractor _____
- iii) Address of Firm/Contractor _____
- iv) Name of Guarantor _____
- v) Address of Guarantor _____
- vi) Amount of Guarantee Rs. _____
(_____)

(in words)

- vii) Date of Expiry of Guarantee _____

To: The President of the Islamic Republic of Pakistan through the Controller of Military Accounts (CMA) POFs, Wah Cantt.

Sir,

1. Whereas your goodself have entered into Contract No. _____
_____ dated _____ with Messrs

(Full Name and Address)

hereinafter referred to as our customer and that one of the conditions of the contract is the submission of unconditional Bank Guarantee by our customer to your goodself for a sum of Rs. _____ Rupees/FE (as applicable) _____

2. In compliance with this stipulation of the contract, we hereby agree and undertake as under:-
- a. To pay to you unconditionally on demand and/or without any reference to our Customer and amount not exceeding the sum of Rs. _____ Rupees or FE (as applicable) _____ as would be mentioned in your written Demand Notice.
 - b. To keep this Guarantee in force till _____
 - c. That the validity of this Bank Guarantee shall be kept **THREE** clear year ahead of the original/extended delivery period or the warrantee of the stores which so ever is later in duration on receipt of information from our Customer i.e. M/S _____ or from your office. Claim, if any, must

be duly received by us on or before this day. Our liability under this Bank Guarantee shall cease on the closing of banking hours on the last date of the validity of this Bank Guarantee. Claim received thereafter shall not be entertained by us whether you suffer a loss or not. On receipt of payment under this guarantee, this document i.e. Bank Guarantee must be clearly cancelled, discharged and returned to us.

- d. That we shall inform your office regarding termination of the validity of this Bank Guarantee one clear month before the actual expiry date of this Guarantee.
- e. That with the consent of our customer you may amend/alter any term/clause of the contract or add/delete any term/clause to/from this contract without making any reference to us. We do not reserve any right to receive any such amendment/alteration or addition/deletion provided such like actions do not increase our monetary liability under this Bank Guarantee which shall be limited only to or FE (as applicable) Rs. _____ (Rupees_____).
- f. That the Bank Guarantee herein before given shall not be affected by any change in the constitution of the Bank or Customer/Seller or Vendor.
- g. That this is an unconditional Bank Guarantee, which shall be encashed on sight on presentation without any reference to our Customer/Seller or Vendor.

Guarantor

Dated: _____

(Bank Seal and Signatures)