

PAKISTAN AERONAUTICAL COMPLEX, KAMRA MIRAGE REBUILD FACTORY

TENDER NOTICE : OPEN TENDER

Tender reference	:	MRF/Log/23-24/OT-25
Tender No	:	OT-25
Publishing date	:	21 March, 2024
Last date of submission of bids	:	04 April, 2024 (1000 Hrs)
Opening date & Time	:	04 April, 2024 (1100 Hrs)

1. Sealed tenders for purchase / repair of items as per enclosed list are invited from sales tax registered Suppliers who are on Active Taxpayers List (ATL) of FBR.

Pattern of Quotations

2. The quotation shall comprise a single package containing 02 separate envelopes. Tender reference along with due date of opening and Category Number must be clearly marked. Each envelope shall contain separately, the financial proposal and the Technical proposal respectively. Each bid (financial / technical) will be on separate leaf against single line item, envelope cover must be marked with "Item name". Quotations with multiple line items on single page will be dropped. **Quotations should be on original letter head (color printed).** The quotations shall be addressed to Managing Director MRF, PAC Kamra as per terms given below:-

(a) **Technical Offer:** It should be without prices and contain all relevant essential specifications along with literature / brochures. Tender number, date of opening and word (**Technical offer**) should be clearly marked. The tendered Part No should be mentioned against quoted item / offer. Any details of equivalent / variables being quoted should be clearly mentioned against Part No being tendered. **NSN / OEM Part No** should be mentioned on both technical and commercial quotations. All quoted products must have traceable local / foreign OEM. **Country / Place of Manufacture / OEM** of stores is to be provided along with Technical / Commercial offer. **Certificate of Conformance** (where applicable), **Technical Data Sheet (TDS)** and **Material Safety Data Sheet (MSDS)** along with any other relevant literature by OEM are must for all Aviation Items, Chemicals, Material and Equipment. All precision measuring equipment must be quoted with provisioning of fresh **Calibration Certificate**. Spectrometric analysis report against raw material / hardware items may be required to establish conformity of delivered product. All Chemicals, lubricants and any item of shelf life range must be quoted with provisioning of **MSDS** along with fresh **Laboratory Test Reports** against corresponding LOT No, Batch No, Date of Production, Date of Expiry of delivered stores. **Part Catalogues, IPBs (Illustrated Part Breakdown), User Guides, Operating / Maintenance Manuals, Brochures, Prices** which ever available / applicable would be provided free of cost along with delivered stores. **Unit of issue** must be same as mentioned in tender notice. Confirmation to this effect is to be furnished by written certificate along with quotation. License keys, activation / access passwords and source codes are to be provided along with all software whether purchased individually or as a part of any system/equipment or machinery.

(b) **Financial Offer:** It should indicate price of quoted item (**to be delivered at MRF, Kamra premises with all liabilities on Suppliers**) and confirmation to the terms and condition of MRF tender inquiry. The words "**Financial offer**" should be clearly marked. The Quoted prices are to be exclusive of GST levied by the Government and these should be in accordance with the current Local market prices. GST must be mentioned separately. All

other charges must be incorporated in offered price. Rates must be mentioned in both “words” and “figures”. Following documents must accompany financial offer:-

- (i) Proof of being on **active taxpayers list**
- (ii) Sales tax registration certificate
- (iii) NTN certificate
- (iv) Professional Tax certificate of the province where the contract is being concluded as per MAG letter No 54/AT/S/1687-Vol-XXVII/P-29 dated 22 April, 2013 and Taxation department Punjab letter No SO (TAX) 1-33/77 (P-IV) date 28 August, 2003.
- (v) Any specific SRO / Tax exemptions if applicable must be notified along with commercial offer.

(c) **Bid Money / Earnest Money:** The **unregistered firms with PACB** (Pakistan Aeronautical Complex Board, Kamra) will have to furnish **earnest money @ 5%** of the quoted value through **Bank Draft / CDR** in favour of **Public Fund Account MRF PAC, Kamra**. The earnest money instrument should indicate Tender reference and firm/company name. In case where the exact Quantity has not been mentioned the earnest money should be calculated against MOQ / market available standard OEM packaging. The exact bid money in this scenario will have to be furnished within 01 week of intimation of being technically accepted, lowest financial bidder. The confirm purchase order will be furnished upon receipt of earnest money. Earnest money of bidders backing out of submitted quote or failing to provide in time delivery will be forfeited along with initiation of disciplinary actions.

Quantity

3. Quantity can be increased / decreased at the time of order as per MRF requirement without change of financial quotations. Bids once submitted will not be allowed to be changed and will be binding on suppliers for delivery of stores if purchase order is furnished, however, clarifications may be sought.

Offer requirement / validity

- 4. The quotation should be valid if it contain under mentioned information.
 - (a) Quote Validity should be minimum **90 days** and extendable on request. Quotations with less validity will be rejected.
 - (b) EDD must be available on Commercial Quote. Quotation will not be accepted without delivery period.
 - (c) Picture and TDS must be available with technical quote.
 - (d) Separate quote for every single line item.
 - (e) Mentioning of date on commercial / technical quotes is mandatory.
 - (f) Terms & Conditions should be mentioned on commercial / technical quotes.

Delivery Period

5. **Items are to be delivered at MRF, PAC KAMRA premises with all liabilities on Suppliers.** Stores are required within minimum possible delivery period. Offer with minimum delivery period are likely to be preferred. However, the delivery period should be factual as no subsequent extension will be granted except under extreme / un-avoidable circumstances. **Delivery period will invariably start from furnishing of written (provisional / firm) purchase order whichever is earlier.** Delivered stores must be in **standard packing** (free of any separate

cost). Delivery of items shall be strictly made as per timeline mentioned in purchase order. In case of failure, MRF reserves the right to cancel any PO.

6. **Acceptance of Stores / General Terms & Conditions**

- (a) **Certificate of Conformance, TDS and MSDS** by OEM is must for all aviation items, Materials and Equipment.
- (b) All precision measuring equipment must accompany fresh **Calibration Certificate either from OEM or any certified credible facility.**
- (c) All Chemicals, lubricants and any item of shelf life range must accompany **MSDS** along with fresh **laboratory test reports against corresponding LOT number, Batch number, date of production, date of expiry of delivered stores.**
- (d) In case of life items, the remaining shelf life must be at least 75 % at the time of delivery.
- (e) Stores will be accepted after inspection by concerned user / Quality Control Directorate as per QMS of MRF.
- (f) Supplier will be made responsible for **warranty / guarantee** of newly purchased items **at least one year or maximum possible.** In case of rejection of item on receipt or any defect / anomaly found within warranty period whether before use or while in use, the supplier will provide free of cost repair / replacement (which applicable) at MRF Kamra premises bearing all liabilities.
- (g) All repair works / services will INVARIABLY be under at least **06 months warranty**, unless contracted otherwise and depends upon case to case basis.
- (h) **Part Catalogues, IPBs (Illustrated Part Breakdown), User Guides, Operating / Maintenance Manuals, Brochures, Prices** which ever available / applicable would invariably be provided **free of cost** along with delivered stores.
- (j) Items should be current year's production.
- (k) Supplier will retain record of all products delivered to MRF karma, for at least 03 years.
- (l) MRF reserves the right to visit / inspect any premises of supply chain against required / offered products.
- (m) The supplier will be responsible for in time payment of all applicable taxes and duties to relevant agencies as per in vogue GOP regulations. The supplier must be able to furnish / produce such record as and when demanded by MRF.
- (n) Any item being tendered if obsolete / discontinued by OEM may please be communicated along with said certification by OEM. Suitable replacements / substitutes / interchangeable may also be communicated along with complete technical / operational details.
- (p) All quotations/ bids, correspondence and clarifications / queries must be on company letter head duly signed by authorized signatory authority. Active contact / correspondence details (phone no. mobile no. email & postal address must be mentioned).
- (q) All quotations, bids, clarifications, queries, correspondence and product will be kept strictly confidential.

Release of Payment

7. Payment will be released by Dte of Budget and Accounts, MRF PAC, Kamra on submission of Sales Tax invoice along with copies of GST registration, NTN certificate and Professional Tax certificate. Sales Tax Return against previous transactions (if any) during current financial year and copy of relevant SRO (if applicable) will also be required. All payments are to be received after successful acceptance of delivered stores by user and upon furnishing of requisite documentation. After receipt of payment, supplier is to furnish monthly sales tax return declaration along with Annexure "C" (DOMESTIC SALES INVOICE DETAIL) duly depicting invoice number against which payment has been received from MRF, Kamra. Specified amount of GST and Income tax will be withheld/ deducted at source as per GOP instructions in vogue. Any exemption in this regard will only be entertained upon furnishing of FBR issued EXEMPTION certificate in name of Firm / Company against specified item.

Terms and Conditions

8. The terms and conditions mentioned in this document will be integral part of any purchase order furnished against this tender, whether or not mentioned again.

Clarifications of Queries

9. Queries if any may be cleared by contacting **051-90994414, 90994727**.

Rejection

10. Offers are liable to be rejected if:

- (a) There is a deviation from any instruction.
- (b) Offers are found conditional or incomplete in any respect.
- (c) Overwriting / erasing in prices.
- (d) Firm **BLACKLISTED / UNDER EMBARGO / DELISTED** by any **Government Organization**.
- (e) Any terms and conditions not in conformity with tendered terms and conditions.

Delivery of Tender

11. **Each quotation (financial / technical) shall be on separate leaf against single line item.** Both the envelopes of **Technical and Commercial** offers should be enclosed in one cover properly sealed, **envelope cover must be marked with "Item name"** and bear the following address of Indigenous Provisioning office, MRF with **tender Inquiry number and opening date**.

O i/c Indigenous Provisioning
Mirage Rebuild Factory,
Pakistan Aeronautical Complex, Kamra
District Attock

Opening of Tender

12. The quotations must be in original and are to reach at this factory by **1000 Hrs** on **04 April, 2024**. All quotations are to be dropped in the tender box placed at the MRF Guard Room. No quotation will be accepted in photocopy, through Fax and after due date and time. Tender will be opened on **same day at 1100 Hrs** in the presence of witnessing officers and available representatives of the firms in O i/c Indigenous Provisioning. MRF reserve the right to cancel or reject any or all bids / proposals against complete tender or any part thereof, at any time

without any liability. In case of official holiday the Tender will be opened on next working day. Details of requirements is as follows: -

“NISLIP, NISLIP, Sermateal Part-1, Fume Extraction Plant, Rubber Mat, High Back Seat Creaper, Working Table, PTZ IP Camera 2MP Day And Night View IR, Diamond Jet Oxyregu, Field Installation Plier, Electric Platform Truck, Rag Coloured, Hollow Flange Torque, Roll Cab, Rubber Mat, Air Flow Measuring Machine, Lucas.Hrz.Boring MA, Auto Fire System”.

13. List of items can also be downloaded from PPRA website www.ppra.org.pk and as well as PACB website www.pac.org.pk free of cost or can be collected from DTE of Log (LP Section) MRF PAC Kamra Distt Attock from **22 March, 2024** during working hours (except holidays).

Yours Sincerely,



(RAFAY JAMAL)
Squadron Leader
for Managing Director
MRF, PAC Kamra

vMRF QUALITY SYSTEM REQUIREMENTS

Following are the requirements to be satisfied by the Supplier (External Provider) / Sub-Contractor (Local Vendor) of MRF:-

1. The processes, products, and services to be provided including the identification of relevant technical data (e.g., specifications, drawings, process requirements, work instructions).
2. The approval of products and services, methods, processes, equipment, and the release of products and services.
3. Provide inspection and testing criteria for acceptance by MRF.
4. Obtain approval from MRF of changes in product / process.
5. Provide Objective evidence of the quality of product.
6. To ensure product conformance to specified requirements.
7. To provide manufacturing date and Lot number.
8. To provide shelf life and expiry date as applicable
9. Competence, including any required qualification of persons.
10. The external providers' interactions with the organization.
11. Control and monitoring of the external providers' performance to be applied by the organization.
12. Verification or validation activities that the organization, or its customer, intends to perform at the external providers' premises.
13. Supplier (External providers) apply appropriate controls to their direct and sub-tier Suppliers (external providers), to ensure that requirements are met.
14. Design and development control.
15. Special requirements, critical items, or key characteristics.
16. Test, inspection, and verification (including production process verification).
17. The use of statistical techniques for product acceptance and related instructions for acceptance by the organization.
18. To provide Material / Metallurgical test reports along with raw material for traceability through Lot / Batch No. External Provider will also provide date of manufacture of provided Lot / Batch No of raw material.
19. The need to:
 - (a) Implement a Quality Management System.
 - (b) Use customer-designated or approved external providers, including process sources (e.g., special processes).
 - (c) Notify the organization of nonconforming processes, products, or services and obtain approval for their disposition.
 - (d) Prevent the use of counterfeit parts.
 - (e) Notify the organization of changes to processes, products, or services, including changes of their external providers or location of manufacture, and obtain the organization's approval.
 - (f) Flow down to external providers applicable requirements including customer requirements.
 - (g) Provide test specimens for design approval, inspection/verification, investigation, or auditing.
 - (h) Retain records (documented information), including retention periods and disposition requirements.
20. Ensuring that persons are aware of:
 - (a) Their contribution to product or service conformity.
 - (b) Their contribution to product safety.
 - (c) The importance of ethical behavior.

MRF/Log/23-24/OT-25 Date of Publishing 21 March, 2024 Last Date of Bids Submission 04 April, 2024

S No	Part No	Noun	Qty	UI	Shop	Remarks / Specifications
1	NISLIP520A	NISLIP	27	GI	E T P Shop T-56, E T P Shop j69 O/H Project	Part No: NISLIP520A Noun : NISLIP Description: Remaining life at the time of delivery should be at least 75% with company life sticker and manufacturing certificate.
2	NISLIP520B	NISLIP	55	GL	E T P Shop T-56, E T P Shop J69 O/H Project	Part No: NISLIP520B Noun : NISLIP Description: Remaining life at the time of delivery should be at least 75% with company life sticker and manufacturing certificate.
3	P-720	Sermateal Part-1	2	GL	Paint Shop	P-code : P-720 Part No : 093-997-5001 Serma Seal : 570 A&B
4	7887371	Fume Extraction Plant	1	EA	ETP Shop(J 69)	Scope of Work: Repair / rewinding of electric motor (R13-005B) is required from civil market. Repair of electrical panel with safety equipment's for motor are also required with one year warranty certificate. Capacity of motor is 30 KW.
5	32C/598L	Rubber Mat	800	Kg	F100 Engine Assembly Bay, Inspection Services ATAR	As per Sample
6	JCHP30A	High Back Seat Creaper	As req	Ea	Inspection Services TFE 731, NDI Bay, Tech Admin Quality Engine, Inspection Services TFE 731, Inspection Services ATAR	Specifications are attached at the end, please
7	5510PK0960002	Working Table	6	Ea	Chemical Lab	Dimensions: 7.5 ft x 4 ft x 3.5 ft (Along with 02 Drawers) Make: Made of Stainless Steel Picture attached

8	NEZ-5230-IRCW4	PTZ IP Camera 2MP Day And Night View IR	1	EA	Surveillance Recovery Team(SRT)	Specifications are attached at the end, please
9	2DJRO1031550	Diamond Jet Oxyregu	1	EA	Plasma Shop	Part NO: 2DJRO1031550 Noun: Diamond Jet Oxyregu
10	T-37091	Field Installation Plier	1	EA	Accessories T-56	Noun: Field Installation Plier Part No: T-37091
11	21F/8030PK8D30	Electric Platform Truck	1	EA	Air Test Flt	Scope of Work (a) Controller U/S (b) Change of Seat Cover (c) Painting required (d) Battery Charger U/S. (Repair)
12	7930-68-700-0242	Rag Coloured	6000	KG	Warehouse Tech	As per Sample
13	5330-600	Hollow Flange Torque	01	EA	Hyd Shop	As per sample Specifications are attached at the end, please
14	KRA4107B	Roll Cab	03	Ea	MACHINE SHOP J69	As per Sample Company : INGCO or Equivalent
15	32C/598P	Rubber Mat	1000	Kg	Turbine Bay	As per Sample
16	AF36DB	Air Flow Measuring Machine	01	Ea	Inspection Services TFE 731	Scope of Work: Replacement of Main Circuit Board.

17	542B	Lucas.Hrz.Boring MA	1	Ea	Machine Shop (F100)	<u>Scope of Work</u> (a) Machine accuracy (0.001 inch) to be achieved as spindle accuracy is disturbed. (b) All sort of leakages (oil / hydraulic) to be rectified (c) Main lead screw movement to be calibrated (d) Complete wiring to be rectified and routed as per original layout (e) CNC Controller Program parameters input output to be rectified through password reset and movement calibration (f) Complete machine repair on turnkey basis is required
18	FCC3000	Auto Fire System	1	Ea	F100 Mechanical Accessories	<u>Scope of Work</u> (a) Qty 02 Cylinders required to be filled with CO2 gas. (b) Qty 02 Regulator valves (Cylinders head vlve mechanism) required to be repaired.

Annexure 'A' to PAC Record letter
No. PACB/1105/8/DA. 13 (PC) /PACB/1002/58/Org
Pakistan Aeronautical Complex Board Kamra

28 May, 2012

**SPECIFICATION OF EQUIPMENT (SURVEILLANCE & INTRUSION
DETECTION SYSTEM) FOR PERIMETER SECURITY AT PAC KAMRA**

	ITEM DESCRIPTION AND GEN SPECS
1	<p>Active Networking: Edge Switches, Fiber Aggregation Switch, Core Switches, Misc</p> <p>8 Port POE Layer 2 Switch with power supplies, 12 Port Fiber aggregation switch with power supplies & SFP SMRGD, 24 port 10/100/1000 Base T (8-ports PoE) + 320W AC PS + Module for SFP + SFP SMRGD 24 PORT Fiber switch + SFP SMRGD + Power Supply, Power Supplies 31SYS-SMRGD SFP for 802FC</p>
2	<p>Surveillance-Cameras: 5 MP Day / night 9-20 with small housing, 5 MP Day / night 3-10 MM Dome and PTZ Camera</p> <p>5 Megapixel 1/3" with Housing and 9-20 mm Lens, 5 Megapixel HD Dome 3-10mm Lens, Outdoor ready IP66 and MEMA4X rated, PTZ Dome Camera with 20 x optical zoom, Arctic Temperature Control enables operation and start up from -41 C to + 50 C WDR EIS Auto day / night mode down to 0.5 Lux in color and 0.008 night mode continuous 360° rotation etc and complete mounting brackets & accessories kit.</p>
3	<p>NVR: Hybrid NVR-12TB, NVR Server</p> <p>Hybrid NVR with recording / playback Supports 34 Channels 4 HDD Bays + 3 TB SATA HDD, Network Video Management System</p>
4	<p>Alarm / Sensors: Fiber IDS Software & IT Equipment, IDS Fence Equipment</p> <p>Fiber based IDS Enterprise software, Full alarm management software development kit Fiber based software development kit, SDK for integration development to 3rd party, Console Drawer IRU, 15" LCD with accessories, 08 terminals (Fibre) touchpad & 02 Laser Jet Printer, Rittal TS 3 Rack 19", 800 mm deep with 240 v 1000w air-conditioning, UPS 1400 VA 240 V Rack Mount C/MS Desktop PC 2 GB 320 GB windows 7 with 19" LCD, Fiber based Securb Fence TM Controller unit+ 12 Port IRU Rack Mounted Optical Patch Panel+ Duplex Fiber Optic Patch Cord+ Optical Start end Sensor+ Fiber Optical Sensor cable +Cable Ties TM 3000 Isolator U 24 Fiber outdoor enclosures Large Underground Pit and Lid etc</p>
5	<p>Command Centre: 2 17" Monitor Work Stations, 2x52" & 6x52" Monitors</p> <p>20" LCD display work station & client viewing software Workstation, Key Board Matrix Decoder 52" or 55" LCD / LED for wall</p>
6	<p>Power CMC UPS Gen Set</p> <p>04 x 10 KVA UPS and 05X50 KVA Gen Set</p>
7	<p>Local Material & Works</p> <p>UTP Cable Work Fiber Work Camera Fitting Poles, Conduit / Pipes Outdoor Cabinet Fencing</p>
8	<p>Service Charges</p> <p>Design, Deployment Installation Configuration of equipment</p>

S No: 04: SPECIFICATION OF PTZ IP CAMERA 2MP DAY AND NIGHT VIEW IR




Leader in Force Measurement

Interface

Model 5330 Hollow Flange Reaction Torque Transducer

Why the Interface model 5330 Reaction Torque Transducer is the best in class:

- High torsional stiffness
- Extraneous load resistance
- Compact size
- Large thru-hole



SPECIFICATIONS

ACCURACY - (MAX ERROR)

- Repeatability % FS ±0.1
- Hysteresis % FS ±0.15
- Nonlinearity % ±0.05

TEMPERATURE

- Compensated Range °F +75 to +175
- Compensated Range °C -24 to +80
- Operating Range °F -65 to +225
- Operating Range °C -54 to +107
- Effect on Output mV/V MAX ±0.002
- Effect on Zero % FS/V MAX ±0.002

ELECTRICAL

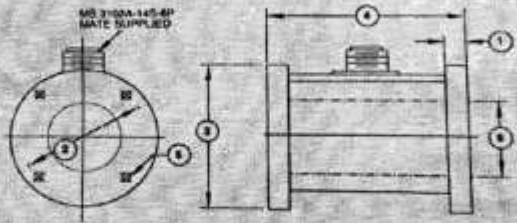
- Rated Output mV/V (Nominal) 2.0
- (1930) 0.5 mV/V
- Bridge Resistance Ohms (Nominal) 350
- (5330) 3K Ohm 100K
- Excitation Voltage MAX 10 VDC

Mechanical

- Calibration CW & CCW
- Safe Overload % CAP 200

DIMENSIONS

Size Drawing	MODEL 5330 HOLLOW FLANGE TYPE				
	5K, 10K, 20K	50K, 100K	2K, 5K	10K, 20K	50K, 100K
1	0.3125 inch	0.3125 inch	0.3125 inch	0.3125 inch	0.625 inch
2	3	2.5	3.5	4.375	7.60
3	2.5	3.5	4	5	6.5
4	7.125	2.025	2.125	3.5	3.5
5	0.750 in / 19mm	0.360 in / 9mm	0.438 in / 11mm	0.500 in / 12.7mm	0.625 in / 15.8mm
6	0.750 in	1.375 in	2.375 in	3.375 in	3.375 in



Model 5330

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Height adjusts from 17.0" to 22.0"

JCHP30A

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Two & one half inch diameter, swivel hooded casters ensure smooth rolling

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