

PAKISTAN AERONAUTICAL COMPLEX, KAMRA
AIRCRAFT MANUFACTURING FACTORY
TENDER NOTICE

Tender No. AMF/2901/A/LOG (PC- 23) DATED

31 October, 2019.

TO BE OPENED ON 18 NOVEMBER, 2019

TENDER INQUIRY :- (23)

1. Sealed tenders are invited from sales tax registered Suppliers who are on Active Taxpayers List (ATL) of FBR for the Purchase / Repair of the following items: -

S No	Part No	Noun	U/I	Req Qty	Remarks/ Specifications
1.	P38259	Adhesive RTV 3145 Grey Cat	Ea	60	SBG
2.	33C/AMF-2	Rubber Sheet 2MM	Mtr	300	SBG
3.	70200-13	Coolant Agent	Pkt	200	SBG
4.	SGS-6340-16XR	Fibre Agregation Switch	EA	01	Copper Ports: 8 10/100/1000Base-T RJ-45 ports, shared with port 1 to 8 Supports Auto-negotiation and Auto-MDI / MDI-X. SFP I mini-GBIC Slots: 24 or more SFP modules interfaces 1000Base-SX/LXSFP transceiver compatible 100Base-FXSFP transceiver compatible SFP transceiver type and speed auto detection. Console: 1 x RS-232 DB9 serial port (115200, 8, N, 1). Switch Processing Scheme: Store-and-Forward. Switch Fabric: 68Gbps. Address Table: 8K entries. Share Data Buffer: 1392 kilobytes. Flow Control: IEEE 802.3x Pause Frame for Full-

					<p>Duplex Back pressure for Half-Duplex.</p> <p>Jumbo Frame: 10Kbytes.</p> <p>Reset Button: < 5 sec: System reboot > 5 sec: Factory Default.</p> <p>Dimensions(W x D x H): 440 x 200 x 44.5 mm, 1U height.</p> <p>Power Supply: With redundant power supply.</p> <p>Power Requirements: 100-240V AC, 50/60Hz or 48V DC @ 0.6A, Range: -30 - -60V.</p> <p>Stacking Ports: Two 5Gbps HDMI-Like interface.</p> <p>Stacking Numbers: 16 or more.</p> <p>Stacking Bandwidth: 10Gbps (Full-Duplex) or better.</p> <p>Stack ID Display: 7-Segment LED Display (1-9, A-F,O). Stack Topology.</p> <p>Stack Topology: Ring / Chain / Back-to-Back stack.</p> <p>Basic Management Interfaces: Console, Telnet, Web Browser, SNMPv1, v2c.</p> <p>Secure Management Interfaces: SSH, SSL, SNMP v3.</p> <p>Port configuration: Port disable / enable Auto-negotiation 10/100/1 000 Mbps full and half duplex mode selection Flow Control disable / enable Bandwidth control</p>
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					<p>on each port.</p> <p>VLAN: 802.1Q Tagged Based VLAN. Port-Based VLAN Q-in-Q Private VLAN Edge (PVE) Up to 255 VLAN groups, out of 4094 VLAN IDs or more.</p> <p>Spanning Tree Protocol: IEEE 802.1D Spanning Tree IEEE 802.1w Rapid spanning Tree IEEE 802.1s Multiple spanning Tree Up to 8 MST instances.</p> <p>Link Aggregation: IEEE 802.3ad LACP 1 Static Trunk Support 12 groups of 16-Porttrunk support.</p> <p>QoS. Traffic classification based, Strict priority and WRR 4-level priority for switching - Port Number - 802.1P priority - 802.1Q VLAN tag DSCP /TOS field in IP Packet Policy-Based QoS.</p> <p>IGMP Snooping. IGMP (v1/v2/v3) Snooping, up to 255 multicast Groups IGMP Ouerier mode support.</p> <p>Access Control List. IP-Based ACL 1 MAC-Based ACL Up to 256 entries or more.</p> <p>SNMP.MIBs. RFC-1493 Bridge MIB RFC-1643 Ethernet MIS RFC-2863 Interface MIS RFC-2665 Ether-Like MIS RFC-2819</p>
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					<p> RMON MIS RFC-2737 Entity MIS RFC-2618 RADIUS Client MIB RFC-2933 IGMP-STD-MIB RFC3411 SNMP-Frameworks-MIB IEEE 802.1X PAE LLDP MAU-MIS. </p> <p> Standards Compliance. </p> <p> IEEE 802.3 10Sase-T IEEE 802.3u 100Sase-TX/100Sase-FX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T IEEE 802.3x Flow Control and Sack pressure IEEE 802.3ad Port trunk with LACP IEEE 802.1D Spanning tree protocol IEEE 802.1w Rapid spanning tree protocol IEEE 802.1s Multiple spanning tree protocol IEEE 802.1P Class of service IEEE 802.10 VLAN Tagging IEEE 802.1x Port Authentication Network Control IEEE 802.1ab LLDP RFC 768 UDP RFC 793 TFTP RFC 791 IP RFC 792 ICMP RFC 2068 HTTP RFC 1112 IGMP version 1 RFC 2236 IGMP version 2. </p> <p> Safety. </p> <p> CE UL, cUL. </p> <p> Regulation Compliance. </p> <p> FCC Part 15 Class A,. </p> <p> Environment. </p> <p> Operating Temperature: -20 to </p>
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					70 degrees C or more Relative Humidity: 20 - 95% (non-condensing). Warranty: 03 Years replaceable warranty. OR Equivalent Provost NOTE: - Latest specifications available in the market also acceptable.
5.	14A/AMF-12	Photo State Machine	EA	01	Copier speed 30-35 copy /min Type Analog Max Original Paper Size A3 Zoom 50-200% 1 st copy time Max 7 Sec Capability 1000 copies at a stretch and 3000 copies in a day Count Down Multi Cop 1-99 minimum Paper supply cassette mini 60 Sheets Dry Electric Transfer Required Manual Feed required 220~240 Volts AC 50 to 60 Hz Accessories Required Compatible voltage stabilizer & PPC cover with all standards accessories of PPC OR Equivalent Provost
6.	DBT100A	1553Network Tester	Ea	01	Log JF-17
7.	AISI4130	Steel Sheet 1 mm (36X72X0.040) Inch	Sht	02	Central Lab JF-17
8.	CS-GT-15-10-200G	Metallo Organic Standard 10/30 ppm (200 Gram)	Btl	1	Central Lab JF-17

9.	VBMT160408-NN-LT1000	Turning Insert 35 Deg 16mm R0.8	Ea	30	Central Lab JF-17
10.	1619377200	Oil Filter	Ea	4	Central Lab JF-17
11.	7AM09000050	Foot Pedal	Ea	3	Central Lab JF-17
12.	10421136	Paint Standard Colour Reference Card	Ea	2	Central Lab JF-17
13.	US064709732486808	Fluke Universal Input Module 2635A	Ea	2	Central Lab JF-17
14.	DZ-10E	Heating Element For Distillation Unit	Ea	1	Central Lab JF-17
15.	237H0C3006	Hose Assy Rear Evaporator To Pipe	Ea	23	Central Lab JF-17
16.	5F6	Sulphur Hexafluoride Gas	Kg	08	Central Lab JF-17
17.	5000248-050	Rubber Asbestos 1.6MM	M2	As Req	QAF
18.	23700C3002	Rear Evaporator Assy	EA	As Req	QAF
19.	H480D190	SSR MODULE	EA	05	PMI JF-17
20.	HD4850-10	SOLID STATE RELAY I/P 3-32VDC O/P 480VAC	EA	01	PMI JF-17
21.	LPX-200	X Ray Machine With All Accessories	Ea	01	S.O.W 1. Control unit giving alarm “ ARC DETECTED ” 2. Made by LOARD industrial imaging USA 3. Required whole machine serviceability and functionally check after repair with 06 months warranty. Repair PMI, AMF
22.	H480D190	SSR MODULE	EA	05	PMI JF-17
23.	HD4850-10	SOLID STATE RELAY I/P 3-32VDC O/P 480VAC	EA	01	PMI JF-17
24.	BBF-HDA2525	AC Servo Drive Siemens	Ea	01	PMI JF-17
25.	VIDEOJET-1520	Video Jet Small Character Ink Jet Printer (MODEL-1520)	Ea	1	
26.	12W-860L	LED Panel Light	Ea	4	PMI

27.	L80-012	Electro Magnatic Clutch	Ea	1	PMI
28.	250034-124	Primary 1st Level Filter	Ea	2	PMI
29.	250034-130	Secondary 2nd Level Filter	Ea	2	PMI
30.	3B/AMF-543	Rotary Hammer Drill (Hilt Machine) DEWALT	Ea	1	PMI
31.	SA2-7D-LAY3-XB	Speed Selector Switch	Ea	1	PMI
32.	760207P4DB	Lead Screw Bearing (35X72X17)	Ea	12	PMI
33.	7020AC/P4TBT.B	Precision Angle Contact Ball Bearing 100X150X21	Ea	3	PMI
34.	7017C/P4DB.B	Precision Angle Contact Ball Bearing 85X130X22	Ea	2	PMI
35.	XK715-1830	Gear NT-35 MAT-40CR HT-G48	Ea	1	PMI
36.	XK715-1836	Gear NT-39 MAT-40CR HT-G48	Ea	1	PMI
37.	XK715-1826	Gear NT-39 MAT-40CR HT-G48	Ea	2	PMI
38.	XK715-1859	Gear NT-89 MAT-40CR HT-G48	Ea	1	PMI
39.	XK715-1838	Gear NT-61 MAT-40CR HT-G48	Ea	1	PMI
40.	ZXAUTOINDEX 1250/30(106-83)	NC Hydraulic Single Work Station Press (106-83)	Ea	1	PMI
41.	XXHP-2005A/104B-428-A	Portable X-Ray Flaw Detector XXHP-A	Ea	1	PMI
42.	BUM60-VC-A0-0001	Baumuller Servo Drive Card	EA	1	PMI
43.	BUM60-12/24-54-B-001	X- Axis Drive Module	EA	1	PMI
44.	8-97219-054-0	Piston Ring Set	Set	1	PMI
45.	LPX-200	X-Ray Machine With All Accessories	EA	1	PMI
46.	2K300GA	ZF Gear Box With Complete Accessories	EA	1	PMI
47.	1FT6136-6AB71-1AG0	THREE PHASE SERVO MOTOR (SIEMENS)	EA	1	PMI

2. Pattern of Quotations

The quotation shall comprise a single package containing 02 separate envelopes. Tender reference along with due date of opening must be clearly marked. Each envelope shall contain separately, the financial proposal and the Technical proposal respectively. Each bid (financial / technical) shall be on separate leaf against single line item, envelope cover must be marked with "Item name", addressed to Managing Director AMF, 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 (CoC), TECHNICAL DATA SHEETS (TDS) and MATERIAL SAFETY DATA SHEETS (MSDS) along with any other relevant literature by OEM** are must for all AVIATION ITEMS, MATERIALS AND EQUIPMENTS.

All precision measuring equipment must be quoted with provisioning of fresh **calibration certificate**. Spectrometric analysis report against raw material / hard ware 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 books), USER GUIDES, OPERATING / maintenance MANUALS, BROCHURES, PRICES**] which ever available / applicable would be provided free of cost along with delivered stores. In case of **Unit of issue** being Quoted other than which has been tendered, conversion formula is to be mentioned, AMF will conclude all transaction formalities (vetting, approval, placement of order, receipt of stores and subsequent payment) as per tendered / published Unit of Issue.

All cyber range products must be of **branded origin and without vPro technology, ivy / sandy bridge processors**. 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 AMF, KAMRA premises with all liabilities on Suppliers**) and confirmation to the terms and condition of AMF 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:-

- (1) **Proof of being on ACTIVE TAXPAYERS LIST**
- (2) **Sales tax registration certificate**
- (3) **NTN certificate**
- (4) **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.**

(5) Any specific SRO / Tax exemptions if applicable must be notified along with commercial offer.

(c) Bid Money / Earnest Money: The registered / unregistered firm with PACB (Pakistan Aeronautical Complex Board, Kamra) will have to furnish **earnest money @ 5%** of the quoted value through **crossed cheque / bank draft** in favor of **PUBLIC FUND ACCOUNT AMF 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.

3. Quantity can be increased / decreased at the time of order as per AMF 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.

4. Validity of offer

The quotation should be valid for minimum **90 days, extendable on request.**

5. Delivery Period

Items are to be delivered at AMF, 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 AMF 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 EQUIPMENTS.

(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 no., Batch no., date of production, date of expiry of delivered stores.

(i) In case of lifed items the remaining shelf life must be atleast 75 % at the time of delivery.

(d) Stores will be accepted after inspection by concerned user / Quality Control Directorate as per QMS of AMF.

(e) Supplier will be made responsible for warranty / guarantee of purchased items if required. 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 replacement at AMF Kamra premises bearing all liabilities,.

(f) All repair works / services will INVARIABLY be under at least 06 months warranty, unless contracted otherwise.

(g) [PART CATALOGUES, IPBs (illustrated part books), USER GUIDES, OPERATING/ MAINTENANCE MANUALS, BROCHURES, PRICES] which ever available / applicable would invariably be provided free of cost along with delivered stores.

(h) Items should be current year's production.

(j) Supplier will retain record of all products delivered to AMF karma, for atleast 03 years.

- (j) AMF reserves the right to visit / inspect any premises of supply chain against required / offered products.
- (k) 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 AMF.
- (m) 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.
- (n) 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).
- (o) All quotations, bids, clarifications, queries, correspondence and product will be kept strictly confidential.

7. Release of Payment

Payment will be released by Dte of Budget and Accounts, AMF 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.

No financial liability of any sort will be carried forward to next financial years. 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 AMF, 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.

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.

9. Clarifications of Queries

Queries if any may be cleared by contacting 051-9099-5276

10. Rejection

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 being BLACKLISTED / UNDER IMBARGO / DE LISTED by any Government Organization.
- (e) **ANY TERMS AND CONDITIONS NOT IN CONFORMITY WITH TENDERED TERMS AND CONDITIONS.**

11. Delivery of Tender

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 Local Purchase office, AMF with **tender Inquiry number and opening date.**

Dy Director Local Purchase
Aircraft Manufacturing Factory,
Pakistan Aeronautical Complex,
Kamra Distt Attock

12. Opening of Tender

The quotations must be in original and are to reach at this factory by **1100 Hrs** on **18 November, 2019**. All quotations are to be dropped in the tender box placed at the Local Purchase Section, AMF. No quotation will be accepted in photocopy, through Fax and after due date and time. Tender will be opened on **same day at 1130 Hrs** in the presence of witnessing officers and available representatives of the firms in DD LP office. AMF 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.

Yours Faithfully,

(FAISAL HAMEED)
Squadron Leader
for Managing Director
AMF PAC, Kamra
Tele No. 051-90995281

**NOTE: - THIS TENDER ADVERTISEMENT IS ALSO AVAILABLE ON
www.pac.org.pk.**

AMF QUALITY SYSTEM REQUIREMENTS

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

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 AMF.
4. Notify AMF about non-conformance product or material supplied.
5. Obtain approval from AMF of changes in product / process.
6. Access by AMF, its customers and regulatory authorities be ensured to applicable areas of all facilities involved in the order and to all applicable records at any level of the supply chain;
7. Provide Objective evidence of the quality of product.
8. To ensure product conformance to specified requirements.
9. To provide manufacturing date and Lot number.
10. To provide shelf life and expiry date as applicable
11. Competence, including any required qualification of persons;
12. The external providers' interactions with the organization;
13. Control and monitoring of the external providers' performance to be applied by the organization;
14. Verification or validation activities that the organization, or its customer, intends to perform at the external providers' premises;
15. Supplier (External providers) apply appropriate controls to their direct and sub-tier Suppliers (external providers), to ensure that requirements are met.
16. Design and development control;
17. Special requirements, critical items, or key characteristics;
18. Test, inspection, and verification (including production process verification);
19. The use of statistical techniques for product acceptance and related instructions for acceptance by the organization;
20. 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.
21. 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;

22. 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.