

**PAKISTAN AERONAUTICAL COMPLEX, KAMRA
AVIONICS PRODUCTION FACTORY
TENDER NOTICE**

S.No	Tender No	End User Tel Ext
(a)	APF/1920/42/LOG/PC-16	051-9099-6206
	Opening Date	• 06 February, 2025

TERMS AND CONDITIONS

1. Sealed tenders are invited from only those sales tax registered suppliers who are on Active Taxpayers List (ATL) of FBR and preferably registered with PAC Board (if not than get themselves registered with PACB after winning the tender), for the purchase / repair of the undermentioned item.

APF/1920/42/LOG/PC-16		Tel Ext; 6206			
S NO	PART NO	NOUN	U/I	QTY	Specification
1	SMH100S/28	ABBOTT MODULE	EA	1	Specification Attached
2	537191A1	IC 5 TO 250MHZ AMPLIFIER 04 PIN ROUND METALIC	EA	2	
3	RS170-5403	HEAT SHRINK TAPE (REEL OF 50M)	RL	1	
4	KDS5200LL	BOTTLE FOR FLUX (20Z) (FLUX DISPENSER TYPE FD22D) (1 PK=10 EA)	PK	1	
5	63000-2RS1	DEEP GROOVE BALL BEARING WITH SEALS OR SHIELDS	EA	8	
6	62202-2RS1	DEEP GROOVE BALL BEARING WITH SEALS OR SHIELDS	EA	8	
7	1270150-CAT	AXIAL FAN BLADE 15 INCH	EA	4	
8	A6D-LMUN2114	A6D BIAS RESISTOR PNP TRANSISTOR	EA	5	
9	8AB-BC846B	8AB NPN TRANSISTOR	EA	5	
10	MMBT2907A(M29)	SMALL SIGNAL PNP TRANSISTOR	EA	30	
11	MMBT2222A(W1P)	SMD GENERAL PURPOSE TRANSISTOR(NPN)	EA	30	
12	KA3525A	SMP5 CONTROLLER	EA	10	
13	EL817	EI817 SERIES PHOTOCOUPLER	EA	24	
14	K3878	N CHANNEL MOSFET	EA	10	
15	IRF3205	N CHANNEL POWER OSFET	EA	30	
16	IRFB3306	N CHANNEL POWER MOSFET	EA	30	
17	IRF740	N-CHANNEL MOSFET	EA	30	
18	LM358D	LOW POWER DUAL OPERATIONAL AMPLIFIER	EA	10	
19	207029	LUBRICANT SHELL ALVANIA 2	TB	1	

Delivery of Tender

Each envelope shall contain separately, the commercial offer and the technical offer respectively. **Each bid (commercial / technical) shall be on separate envelope against single line item**, envelope cover must be marked with "Tender No", addressed to **Assistant Director Logistics (S&A) APF, PAC Kamra**. Complete details / specifications of items, if required can be obtained from **Contact No 051-9099-6206** on any working day before opening of tender.

(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 equipment / 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 precisions 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 and 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, APF 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) **Commercial Offer:** It should indicate price of quoted item (to be delivered at APF, KAMRA premises with all liabilities on Suppliers) and confirmation to the terms and condition of APF tender inquiry. The words "**Commercial 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 commercial 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 local purchase order / 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 NoSO (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 registered / unregistered firm with PACB (Pakistan Aeronautical Complex Board, Kamra) will have to furnish earnest money Rs 20,000/- in shape of **Bank draft, DDR, Pay Order or CDR** in favor of **MD APF, PAC Kamra**. Cheques will not be accepted as in lieu. The earnest money instrument should indicate Tender reference and firm / company name. 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 APF requirement without change of commercial 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 APF, 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 APF 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, Lubricant 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 No, Batch No, date of production and date of expiry of delivered stores.**

(d) In case of lited 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 APF.

(f) 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 APF Kamra premises bearing all liabilities.

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

(h) [**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.

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

(l) APF 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 APF.

(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, Cell No, E-mail & Postal Address must be mentioned).

(q) 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, APF 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 will be released after successful acceptance of delivered stores by user and upon furnishing of requisite documentations. **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 APF, 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 051-9099-6298 and concern user.

10. **Rejection** Offers are liable to be rejected upon opening of Tender, if: -

(a) There is a deviation from any instruction.

(b) Offers are found conditional or incomplete in any respect.

(c) Hand Written / 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 (commercial / 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, APF with tender Inquiry number and opening date.

ASSISTANT DIRECTOR LOCAL PURCHASE (S & A)

Avionics Production Factory,

12. **Opening of Tender** The quotations must be in original and are to reach at this factory by **30 Mint before opening of Tender**. All quotations are to be dropped in the tender box placed at Main Guard Room APF, PAC Kamra. 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 **Vendor Conference Room (Dte of Log S&A)**. APF 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,



(ZAHOOR AHMED KHAN)
Assistant Director
DTE OF LOG (S&A)
APF PAC, Kamra
Tel No: 051-9099-6367

Dated :- 21-01-2025

LP DEMANDS TECHNICAL SPECIFICATIONS			
S NO	PART NO	NOUN	TECHNICAL SPECIFICATIONS
1	KA3525A	SMPS CONTROLLER	SMPS CONTROLLER I.C PKG 16-DIP
2	MMBT2907A(M29)	SMALL SIGNAL PNP TRANSISTOR	SMALL SIGNAL SMD PNP
3	IRFB3306	N CHANNEL POWER MOSFET	120A 60V N CHANNEL POWER MOSFET PKG TO-220AB
4	K3878	N CHANNEL MOSFET	9A 900V N CHANNEL MOSFET PKG TO-3P
5	MMBT2222A(W1P)	SMD GENERAL PURPOSE TRANSISTOR(NPN)	SMALL SIGNAL SMD NPN TRANSISTOR PKG Sot-23 MARKING CODE W1P
6	EL817	EL817 SERIES PHOTOCOUPLER	EL817 SERIES PHOTOCOUPLER 4 PIN DIP PKG WITH WIDE LEAD SPACING
7	LM358D	LOW POWER DUAL OPERATIONAL AMPLIFIER	LOW POWER DUAL OPERATIONAL AMPLIFIER SMD PKG SO-8
8	IRF740	N-CHANNEL MOSFET	10A 400V N CHANNEL POWER MOSFET PKG TO-220
9	IRF3205	N CHANNEL POWER MOSFET	110A 55V N CHANNEL POWER MOSFET PKG TO-220AB

LP DEMANDS TECHNICAL SPECIFICATIONS			
SNO	PART NO	NOUN	TECHNICAL SPECIFICATIONS
1	SMH100S/28	ABBOTT MODULE	INPUT SUPPLY 28VDC, OUTPUT 28VDC, OUTPUT CURRENT 3.6AMP, 100WATT
2	537191A1	IC 5 TO 250MHZ AMPLIFIER 04 PIN ROUND METAL IC	ML P/N TM7274, PACKAGE TO-3, FREQUENCY 5.0MHZ TO 300.0MHZ, GAIN 31.0dB, OPERATING TEMPERATURE -55.0 TO 85.0 °C

LP DEMANDS TECHNICAL SPECIFICATIONS

S.NO	PART NO	NOUN	SPECIFICATION
01	RS170-5403	HEAT SHRINKABLE TAPE	50 Meter Roll (Black) Width 20mm, Ops Temperature Min -55°C Max +105°C
02	KDS5200LL	BOTTLE FOR FLUX (20Z) (FLUX DESPENSER TYPE FD22D) (1 PK=10 EA)	50 Gram Bottle, 01 FD22D Type Needle & Needle Cap Material Powder Free, Anti-Static and Conductive (REPLACEABLE NEDLE SYSTEM)

LP DEMANDS TECHNICAL SPECIFICATIONS

S.NO	PART NO	NOUN	SPECIFICATION
01	207029	LUBRICANT SHELL ALVANIA 2	Shell Gadus S2 V2202 400 GM High Performance Multipurpose Extreme Pressure Grease, Range -25°C TO +120°C Temperature

LP DEMANDS TECHNICAL SPECIFICATIONS			
SNO	PART NO	NOUN	TECHNICAL SPECIFICATIONS
1	83000-2RS1	DEEP GROOVE BALL BEARING WITH SEALS OR SHIELDS	DEEP GROOVE BALL BEARING WITH SEALS OUTER DIA= 28 mm , BORE DIA= 10 mm, WIDTH = 12 mm
2	82202-2RS1	DEEP GROOVE BALL BEARING WITH SEALS OR SHIELDS	DEEP GROOVE BALL BEARING WITH SEALS OUTER DIA= 35 mm , BORE DIA= 15 mm, WIDTH = 14 mm
3	1270150-CAT	AXIAL FAN BLADE 15 INCH	Axial Fan Blade 15 Inch 6 Wings With Outer Ring & Center Metal Bush With Balancing Accessories

LP DEMANDS TECHNICAL SPECIFICATIONS			
SNO	PART NO	NOUN	TECHNICAL SPECIFICATIONS
1	A6D-1MUN2114	A6D BIAS RESISTOR PNP TRANSISTOR	SMALL SIGNAL SMD PNP TRANSISTOR PNP with Internal Resistors R1= 10k R2=47k PKG Sot-23
2	8AB-BC846B	8AB NPN TRANSISTOR	Marking Code 8ab SMD NPN Epitaxial Silicon Transistor PKG Sot-23