

PAKISTAN AERONAUTICAL COMPLEX, KAMRA  
**AVIONICS PRODUCTION FACTORY**  
(DTE OF LOG S&A)

**OPEN TENDER NOTICE**

**TERMS AND CONDITION OF THE TENDERS**

1. Avionics Production Factory PAC Kamra intends to procure spares (26 L/Items) for life cycle maintenance of JZ/YD-126 IFF System through contract on "FOR" Kamra basis in Local Currency.

2. Sealed tenders are invited from sales tax registered firms for procurement of the said stores/items.

3. **Delivery of Tender**

(a) **Technical Offer:** It should be without prices and contain all relevant essential literatures / brochures. Tender number and date of opening should be clearly marked on the face of envelope of technical offer. The offer must be accompanied with following documents.

(i) **Challan form No. F-32A of Rs 100.00, obtained from SBP / Govt Treasury under "Departmental Receipt Major Head 1221000, CMA (ISOs) Rawalpindi" on behalf of Managing Director APF PAC Kamra.**

(ii) **5% Earnest Money in the shape of Bank Draft (Compulsory for all bidders).**

(b) **Commercial Offer:** It should indicate prices of quoted items and confirmation to the terms and condition of our tender inquiry. The words "Commercial offer with prices" be marked on its envelope.

Both the envelopes of **Technical and Commercial** offers should be enclosed in one cover properly sealed and bear the following address of this office with tender number and opening date.

**Managing Director,**  
Avionics Production Factory,  
Pakistan Aeronautical Complex,  
Kamra –Distt. Attock

4. **Pattern of Quoted Prices**

The quoted prices are to be inclusive of all taxes levied by the Government and these should be in accordance with the current local market / international prices. However GST must be mentioned separately otherwise it will be considered as included in the quoted price.

5. **Validity of offer**

The quotation must be valid for 90 days.

6. **Opening of Tender**

The quotations must be in original and are to reach at this factory as early as possible, but not later than 09 August, 2017 at 1130 hrs. All quotations are to be dropped in the tender box placed at the Factory Guard Room. No quotation will be accepted in photocopy, through fax and after due date and time. Technical offers will be opened on 09 August, 2017 at 1200 Hrs in the presence of available

representatives. Whereas date for opening of commercial offers will be communicated to the respective firm whose technical offers will be accepted. We reserve the right to reject all bids or proposals against this tender at any time prior to the acceptance of a bid on technical grounds. **The technical offers received without challan form and earnest money will not be considered.**

**7. Delivery Period**

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 extension will be subsequently granted except under extreme un-avoidable circumstances.

**8. Country of Manufacture**

Country / place of manufacture of stores are to be provided along with Technical / Commercial offer.

**9. Acceptance of Stores**

The ordered stores will be accepted as per “**Terms and Conditions**” mentioned at the end of this IT. The store if rejected or found defective within one year from the day of commission will be replaced by the supplier free of charge.

**10. Release of Payment**

Payment will be released by CMA (ISOs) Rawalpindi on submission of proper bill / sales tax invoice, copies of GST registration / professional tax certificates, sales tax return and 5% performance bank guarantee (valid for 12 months).

**11. Disqualification**

Offers are liable to be rejected if due to following discrepancies.

- (a) There is a deviation from any instruction.
- (b) Offers are found conditional or incomplete in any respect.
- (c) Multiple rates are quoted against one item or overwriting / erasing in prices.
- (d) Treasury challan of Rs 100.00 is not provided.
- (e) Earnest Money (As applicable).
- (f) Poor performance of the firm in past.

**Yours faithfully,**

**(REHMATULLAH KHAN)**

Wing Commander  
For Managing Director  
APF PAC Kamra  
Tel Ext: 051-90996290

APF/LG-07

**SPECIAL NOTE:-**

- 1. Store to be delivered at APF on “FOR” Kamra basis.**
- 2. Supplier is responsible for warranty/guarantee of item.**
- 3. Prices and Part Catalogue be provided free of cost.**
- 4. Items should be current year’s production.**
- 5. All technical publication (wherever applicable) to be provided free of cost.**
- 6. Store will be inspected by concerned user/quality control APF.**
- 7. Technical data sheet / specification must be provided with technical offers against quoted items.**
- 8. Earnest Money will be forfeited in case of non-acceptance of P.O / Contract.**

## LIST OF REQUIRED ITEMS

APF/1920/240/LOG (PC-12/17) DATED 03-07-2017

S NO	PART NO ( MASTER AS WELL AS I/L)	NOUN	U/I	REQ QTY
1	JZ7.002.027 I/L JZ7.002.029	Illumination Board / Pannel	Ea	21
2	MAX481EPA	Low Power Transceiver for RS 422 (IC)	Ea	25
3	LM108AH I/L LM108A I/L LM108A/D	IC (GENERAL PURPOSE VOLTAGE FEEDBACK OP AMP)	Ea	10
4	MAX604EPA	IC (5V to 3.3V dc-dc Convertor)	Ea	7
5	54LS245 I/L SN54LS245 I/L SN54LS245J I/L 42297-Z544-B1	Trnsceiver IC (Dip 20 Pin)	Ea	16
6	INA-03184	Low Niose Amplifier (SMD)	Ea	10
7	CA45A-35V-10uF	CAPACITOR 10uF, 35 Volt (SMD)	Ea	10
8	CC41-1206-153-100V	CAPACITOR 15000 PF, 100V (SMD)	Ea	10
9	CC41-1206-681-100V	CAPACITOR 68 PF, 100V (SMD)	Ea	10
10	27273/PC24J4R5	CAPACITOR (VARIABLE FROM 0.4PF TO 4.5PF)	Ea	10
11	FR197-531 I/L TAJD76K025R	Capacitor 47UF 25V (SMD)	Ea	7
12	CT4C-104-50V	CAPACITOR 0.1uF, 50V (THT)	Ea	10
13	CA42-105-25V-1	CAPACITOR 1uF, 25V (THT)	Ea	10
14	CC42-100V-150PF	CAPACITOR 150PF, 100V THT TANTALUM	Ea	10
15	R100K/0.125W	Resistor 100 Kohm 1/8 W (THT)	Ea	10
16	R.2K/0.125W	RESISTOR 2K, 0.125W (THT)	Ea	10
17	R.0.18K/0.125W I/L FEC934-2729	Resistor 0.18K 180 Ohm 0.125W (THT)	Ea	10
18	R0.39K/0.125W I/L FEC933-6460	RESISTOR 0.39K, 0.125W (SMD)	Ea	10

19	R.0.05K/0.5W	RESISTOR 0.05K, 0.5W (SMD)	Ea	10
20	JAN1N5711 I/L 768005	DIODE (THT IN METAL)	Ea	10
21	RF1-20-3A	Fuse 3A (GLASS SHAPE)	Ea	100
22	BMA-KFB3	Connector RF (F/Male for Rx Mdl)	Ea	10
23	11-9034	LAMP (THT) 28VDC	Ea	165
24	RJ13-1OHM/1W I/L FR923-5833	Resistor 1 Ohm 1W (SMD)	Ea	125
25	CS24-2.54-14TJ I/L QJB867-86CS24- 2.54-14TJ	Socket 14 PIN (Male)	Ea	5
26	FR157-650	Potmeter (Variable Resistor 5K Ohm)	Ea	10

### Technical specifications of item at list S No. 01

1. Material. Transparent acrylic/ polycarbonate sheet of aerospace grade shall be used for illumination front panel which meets military standard (MIL-STD-8184).

2. Optical Defects. The acrylic sheet shall contain no optical defects, such as embedded particles, bubbles, scratches or imperfections that reduce visibility through the sheet and cause a variation in angular deviation of more than five minutes with a distance of not more than 20 inches (50 cm) on a grid board when tested as specified in Para 4.5.13.1 (Mil-STD-8184).

3. Milling Process. Panel shall be manufactured as per our design by molding process. Completely assembled panel with PCB/ electronic components is to be delivered after illumination adjustment.

4. Test Requirement of Paint. The painted panel should qualify the following paint tests:-

(a) Glossiness Measurement. Paint on the front panel in cockpit area shall be lusterless matt black. As per Mil PRF85285C required luster for matt black is measured as  $G_u < 5$ .

(b) Adhesion Measurement by Tape Test. The panel shall be dipped in the solvent as prescribed in Mil -STD 85285 to verify the resistance to the solvent.

(c) Solvent Resistance Test. The cross hatch tape test is recommended to identify the adhesive strength of the topcoat. Test should be performed and cut area should be inspected and rated accordance to ASTM D3359.