

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 tender the requirement for procurement of Spares **(25 line items as per attached list)** for life cycle maintenance of IFF JZ/YD-126 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 02 August, 2018 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 02 August, 2018 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,

(TILAL MAZHAR)
Flight Lieutenant
For Managing Director
APF PAC Kamra
Tel Ext: 051-90996292

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.**

SPECIAL TERMS AND CONDITIONS FOR EXTERNAL PROVIDERS

General

1. It shall be the responsibility of External Provider to ensure that the product conforms to the agreed specification/drawings/process/design/test/sample. In case of any clarification, External Provider is to coordinate with Contract Section well-in-time before opening of technical offer at **Tel # 051-9099-6289**.
2. Delivery of the items/product shall be strictly made as per given time line. In case of failure, the competent purchasing officer reserves the right to cancel the procurement without any notice and initiate actions, if deemed necessary.
3. The External Provider is to ensure that the source of his purchase is a registered business activity and meets requirement of qualified personnel.
4. The External Provider must understand the quality management system of APF for the inspection/acceptance criteria of the products he shall deliver to APF.
5. It shall be the responsibility of External Provider to get his firm inspected/audited as and when required by APF. Moreover, the External Provider shall be responsible for paying all taxes applicable as per contract clauses as well as GOP policies and must be able to produce relevant records whenever demanded by APF.
6. External Provider must retain the record of products he delivers to APF for a minimum period of five (5) years

Product Realization

7. APF reserves the right to access to External Providers' office, factory, customers, regulatory authorities, at any level of the supply chain for pertaining process and applicable records.
8. External Provider is to notify APF of the non-conforming product as soon as detected.
9. External Provider is to obtain APF approval for disposition on non-conforming product.
10. External Provider must notify APF, for changes in product and/or process changes, changing of manufacturing facility, location and where required, obtain APF approval.
11. Flow down to supply chain and the applicable requirements including customers' requirements.
12. Upon receipt of products at APF, same would be subjected to quality/user's inspection. In case of rejection, External Provider is liable to take the corrective action(s) as per recommendation of APF.
13. External Provider has to ensure contribution to product or service conformity.
14. External Provider has to ensure contribution to product safety.
15. External Provider should know the importance of ethical behavior.
16. Kindly ensure compliance of above mentioned terms, we look forward for good business with your firm.

LIST OF REQUIRED ITEMS

TENDER NO. APF/1920/240/LOG (PC-45/18)

S NO	PART NO (MASTER AS WELL AS I/L)	NOUN	TO /FIG.IND REFERENCE IPB/JZ/YD126 IFF SYSTEM	U/I	QTY REQ
1	JZ7.002.027 I/L JZ7.002.029	Illumination Board / Panel	Final Assy for JZ/YD126 S No 8, P-13	Ea	24
2	54LS245 I/L SN54LS245J I/L SN54LS245 I/L 42297-Z544-B1	Transceiver IC (Dip 20 Pin)	JZ/YD126, S No 19, P-24	Ea	33
3	INA-03184	Low Noise Amplifier (SMD)	IPB N/A	Ea	15
4	SN54LS373J I/L SNJ54LS373J I/L SNJ54S373J	Octal Latch NAND Gate IC (DIP 20PIN) THT	JZ/YD126, S No 26, P-21	Ea	25
5	XC1701PI I/L AT17LV010-1PU I/L XC1701 I/L XC1701EPA	IC Serial Configuration PROM 8PIN Plastic DIP	N/A	Ea	20
6	SN54LS02 I/L SN54LS02J	Micro Circuit (14 PIN)	JZ/YD126, S No 34, P-7	Ea	10
7	HDP005	IC INVERTOR AMPLIFER	JZ/YD126, S No 35, P-7	Ea	5
8	GAL16V8B	IC (EECMOS)	N/A	Ea	25
9	AT89C52-24JI	Micro Controller 44 PIN PLCC	N/A	Ea	20
10	L4960 I/L L4960H	IC 7 Pin (Switching Voltage Regulator)	IPB 3AP2 S No 5, P-7	Ea	49
11	FR157-650	Potmeter (Variable Resistor 5K Ohm)	3AP2 S No 19, P-7	Ea	9
12	R.0.27K/0.125W	Resistor 270Ohm, 0.125WAT (THT)	JZ/YD126, S No 26, P-17	Ea	13
13	R.4.7K/0.125W I/L 144-324 I/L FEC934-3253	Resistor 4.7 KOhm, 0.125WAT (THT)	JZ/YD126, S No 15, P-16	Ea	10
14	R.150Ohm/0.125W I/L FEC933-7105	Resistor 150Ohm, 0.125WAT (SMD)	JZ/YD126, S No 13, P-4	Ea	10
15	R.0.27K/0.25W I/L FEC110-0175	Resistor 0.27K (270 OHM) 0.25W (SMD)	JZ/YD126, S No 22, P-7	Ea	10
16	CA42-100uF-25V	CAPACITOR 100UF 25V (THT)	JZ/YD126, S No 3, P- 38	Ea	28
17	CA45-50v-4.7uF I/L FR922-9345 I/L RS262-4822	Capacitor 4.7 UF 50V SMD CASE .C	KARF/IFF- JZ2.933.030 S No 10, P-10	Ea	83
18	BDM2150-B2ME	DC/DC Converter IN PUT 27V OUT PUT \pm 5 V	KARF/IFF- JZ2.933.030 S No 8 P-9	Ea	6

19	BDM2150-D2ME	DC/DC Converter IN PUT 27V OUT PUT ± 12 V	KARF/IFF- JZ2.933.030 S No 7 P-9	Ea	5
20	3506-SC38A-C3C I/L PFSC3-1-2-38A	Stud Assembly	N/A	Ea	87
21	271-2A	Fuse 2 Amp (SMD)	3AP2, S No.7 P.7	Ea	72
22	Q/JZ819-85M2.5x6	Screw M2.5x6	Final Assy for JZ/YD126, S No 42, P-5	Ea	200
23	JZ2.003.110	Blanking for Rx TNC Connector, (Size- Dia 11mm x Length14mm)	Technological Doc S NO 4, P-12	Ea	200
24	JZ2.003.112	Blanking for Main Unit Supp Connector (Size- Dia 6.35mm x Length 9mm)	N/A	Ea	200
25	TNC-50KFD1	SOCKET FEMALE THT	N/A	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.