

**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 **(64 line items as per attached list)** for life cycle maintenance of 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 200.00, 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 of the quoted value in shape of Bank Draft / Pay order in favor of CMA (ISOs) Rawalpindi (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 **03 August, 2021 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 **03 August, 2021 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 200.00 is not provided.
- (e) Earnest Money (As applicable).
- (f) Poor performance of the firm in past.

**Yours faithfully,**

**(ABDUL WAJID NAZEER)**

For Squadron Leader  
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 items for 1 year.**
3. **Prices and Part Catalogue be provided free of cost.**
4. **All Items should be factory new and current year’s production.**
5. **All technical publication (wherever applicable) to be provided free of cost. Technical data sheets of all items are necessary.**
6. **Store will be inspected by concerned user/quality control APF.**
7. **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 REQUIRED SPARES

**TENDER NO. APF/1920/240/LOG (PC-100/21)**

S NO	PART NO. (MASTER AS WELL AS I/L)	NOUN	TO REFERENCE	U/I	REQ QTY
1	JZ7.002.027 I/L JZ7.002.029	Illumination Board/ Panel	Final Assy for JZ/YD126, S No 8, P-13	Ea	14
2	CA42-100UF-25V	Capacitor 100uF 25V (THT)	IPB JZ/YD126, S No 3, P-26	Ea	10
3	JA8-20.000MHZ I/L 20.000MHZ	Crystal Oscillator	IPB JZ/YD126, S No 33, P-22	Ea	9
4	FR157-650	Pot Meter (Variable Resistor 5kΩ)	IPB 3AP2, S No 19, P-7	Ea	7
5	TNC-50KFD1	Socket Female THT	JZ/YD126, BOM S No 86, P-13	Ea	14
6	MAX481EPA	Low Power Transceiver Power Transceiver for RS 422 (IC)	IPB JZ/YD126, S No 12, P-26	Ea	21
7	CA45A-35V-10uF	CAPACITOR 10uF, 35 Volt (SMD)	IPB JZ/YD126, S No 7, P-4	Ea	5
8	R.150Ohm/0.125W I/L FEC933-7105	RESISTOR 150Ohm, 0.125WAT (SMD)	IPB JZ/YD126, S No 13, P-4	Ea	7
9	CC41-1206-103-100V	CAPACITOR 10uF 100v (SMD),	IPB JZ/YD126, S No 8, P-6	Ea	3
10	XQ4005EPG156-4M I/L XC4005EPG156-4M	HIGH RELIABILITY FPGA (IC)	IPB JZ/YD126, S No 13, P-24	Ea	2
11	UM6204E	PIN Diode	IPB JZ/YD126, S No 6, P-9	Ea	11
12	RJ13-1OHM/1W I/L FR923-5833	RESISTOR 1 OHM 1W (SMD)	IPB JZ/YD126, S No 6, P-6	Ea	100
13	201SHF101JSL	Capacitor (SMD) 100pF	IPB Power Amp, S No 4, P-5	Ea	5
14	501CHB470JSL	Capacitor (SMD), Package: 1111	IPB Power Amp, S No 5, P-9	Ea	5
15	CA45B-16V-10uF	Capacitor (SMD), Package: CA45B	IPB ZCB-2A, S No 6, P-6	Ea	8
16	CT41-0805-2C1-50V- 104K	Capacitor (SMD), Package: 0805	IPB ZCB-2A, S No 11, P-4	Ea	8
17	CT41-1812-2C1-50V- 105K	Capacitor (SMD), Package: 1812	IPB ZCB, S No 11, P-13	Ea	8
18	V150B28M250BL	DC/DC 150S28 Power Supply Convertor (THT)	IPB P/Supply, S No 23, P-5	Ea	3
19	PSD4235G2-90UI	IC (SMD), Package: SQFP12X12-80(N)	IPB Plot Processor, S No 10, P- 4	Ea	8
20	PSA4-5043	Low Noise MMIC Amplifier Package: MMM1362	IPB Pehchan-14, AK-TPR-IPB- 01, S No 2, P-63	Ea	8
21	857216	1030MHZ SAW Filter Package SMP	IPB Pehchan-17, AK-P17-IPB- 06, S No 10, P-33	Ea	3
22	GALI-84	Mini-Circuit Amplifier Package: DF-782	IPB Pehchan-17, AK-P17-IPB- 06, S No 8, P-41	Ea	8
23	LJ1A-D	Filter 1090MHz (SMD), Package: S-LJ1A1090	IPB Rx (RF/IF), S No 77, P-6	Ea	8
24	SIN-BPF-60M8	Filter (SMD), Package: S-BPF60	IPB Rx (RF/IF), S No 78, P-6	Ea	5
25	LM7171BIM	Operational Amplifier (SMD) Package: SOIC8	IPB Rx (RF/IF), S No 66, P-6	Ea	8
26	AS1117M3-5V	Regulator (SMD), Package: SOT-223	IPB Rx (RF/IF), S No 73, P-6	Ea	8

27	MAV-11BSM	Amplifier, 50~1000MHz (SMD), Package: RRR137	IPB Rx (RF/IF), S No 68, P-6	Ea	8
28	AG604-86	Amplifier (SMD), Package: SOT-86	IPB Rx (RF/IF), S No 70, P-6	Ea	5
29	SGA-3586	Amplifier (SMD), Package: SOT-86	IPB Rx (RF/IF), S No 72, P-6	Ea	8
30	SRF075	Fuse (SMD), Rating 750mA Package: 3528	IPB Rx (RF/IF), S No 62, P-6	Ea	8
31	SMD1812P2000	Fuse (SMD), Rating 2A Package: 1812	IPB Rx (RF/IF), S No 75, P-6	Ea	8
32	TA78M09F	Regulator (SMD), Package: HSOP3-P-2.30A	IPB Rx (RF/IF), S No 21, P-9	Ea	8
33	BCV62C	Transistor (SMD), Package: SOT143	IPB Rx (RF/IF), S No 67, P-6	Ea	8
34	SLQ-303	Power Divider (SMD), Package: 159LF	IPB Rx (QPD), S No 36, P-5	Ea	8
35	PDZ-K1	Phase Discriminator (SMD), Package: 134J	IPB Rx (QPD), S No 39, P-5	Ea	3
36	SD-2	Power Divider (SMD), Package: 134LF	IPB Rx (QPD), S No 41, P-5	Ea	3
37	AS1117M3-ADJ	Linear Regulator (SMD), Package: SOT-223	IPB Rx (QPD), S No 42, P-5	Ea	8
38	JNLV322522-100J	Inductor (SMD), Package: 1210	IPB Rx (I/Board) S No 6, P-3	Ea	8
39	AS1117M3-3.3V	3.3V Linear Regulator (SMD), Package: SOT-223	IPB Rx (I/Board), S No 20, P-4	Ea	8
40	MAX809REUR	Microprocessor Reset Monitor (SMD), Package: SOT23-3	IPB Rx (I/Board), S No 19, P-4	Ea	8
41	MA4L401-134	Pin Diode, 250V, 100mA (SMD), Package: ODS-134	IPB Rx (CCD), S No 10, P-4	Ea	5
42	MA4P504-132	Pin Diode, 500V (SMD), Package: ODS-132	IPB Rx (CCD), S No 11, P-4	Ea	5
43	MA4P606-131	Pin Diode (Switch/Attenuator), (SMD), Package: ODS-131	IPB Rx (CCD), S No 12, P-5	Ea	5
44	MA4P607-212	Pin Diode (Ceramic), (SMD), Package: ODS-212	IPB Rx (CCD), S No 13, P-5	Ea	5
45	S1AM	Surface Mount Glass Passivated Rectifier (Circulator), (SMD), Package: S-SIAM	IPB Rx (CCD), S No 15, P-5	Ea	8
46	MC78L05ACH	Voltage Regulator, 5V ,100mA (SMD), Package: SOT-89	IPB Rx (APC), S No 17, P-3	Ea	8
47	NL27WZ04DTT1G	6 Pin Inverter (SMD), Package: TSOP-6	IPB Rx (APC), S No 18, P-4	Ea	8
48	SIN-MSSR-PD2	Power Divider (SMD), Package: S-PD2	IPB Rx (APC), S No 19, P-4	Ea	8
49	MA4P504-1072T	Pin Diode, 500V, 7.5Watt (SMD), Package: ODS-1072	IPB Rx (APC), S No 20, P-4	Ea	8
50	BAV99	Rectifier Diode, 85V, 0.215A (SMD), Package: SOT23	IPB Rx (APC), S No 21, P-4	Ea	8
51	XO-9110EF-LF	Crystal Oscillator (SMD), Package: 7050	IPB Rx (APC), S No 25, P-7	Ea	3
52	MAX810MEUR+T	IC Reset Monitor (SMD), Package: SOT-23-3	IPB Rx (APC), S No 26, P-7	Ea	8
53	LC4128V-5T100I-APC	Complex Program Logic Device (CPLD), (SMD), Package: 100TQFP	IPB Rx (APC), S No 27, P-7	Ea	8
54	ADF4360-1BCP	Frequency Synthesizer (2050MHz to 2450MHz),	IPB Rx (APC), S No 28, P-7	Ea	8

		(SMD), Package: CP-24-2			
55	AD9852AST	Dual Integrated 12 Bit D/A Conversion (DDS), (SMD), Package: ST-80-2	IPB Rx (LO), S No 40, P-5	Ea	5
56	C8051F330	Microcontroller IC ,8Bit, 25MHz,8KB Flash (SMD), Package: QFN-20	IPB Rx (LO), S No 42, P-5	Ea	8
57	7W-100.000MBB-T	Crystal Oscillator (SMD), Package: 7050	IPB Rx (LO), S No 46, P-5	Ea	8
58	LC4128V-5T100I-LO	Complex Program Logic Device (CPLD), (SMD), Package: 100TQFP	IPB Rx (LO), S No 47, P-5	Ea	8
59	ST-MHZ-45M	Filter (THT), Package: S-45M	IPB Rx (LO), S No 48, P-5	Ea	5
60	MAX2473EUT-T	Operational Buffer Amplifier (SMD), Package: SOT23-6	IPB Rx (LO), S No 45, P-9	Ea	8
61	ERA-3SM	Wideband Low Power Amplifier (0-3000MHz), (SMD), Package: WW107	IPB Rx (LO), S No 46, P-9	Ea	8
62	ADE-25MH	Low Power Frequency Mixer (+13dBm), (SMD), Package: CD542	IPB Rx (LO), S No 47, P-9	Ea	5
63	DF44R1150S08A	Filter (SMD), Package: S-DF44R1150	IPB Rx (LO), S No 48, P-9	Ea	8
64	HMC438MS8GE	Frequency Divider (DC-7GHz), (SMD), Package: MS8G	IPB Rx (LO), S No 49, P-9	Ea	5