

**Public Procurement Regulatory Authority
(Cabinet Division)
FBC Building, Sector G-5/2, Islamabad**

PUBLISHING OF TENDERS ON PPRA WEBSITE

1. APF intends to procure Avionics System spares of the under mentioned tenders on "FOR" Kamra basis in local currency.

S NO	TENDER NO	DESCRIPTION OF STORES	LINE ITEMS
(a)	APF/1920/240/LOG(PC-229/24)	PROC OF SPARES FOR AVIONICS SYSTEM	33
(b)	APF/1920/240/LOG(PC-231/24)	PROC OF 'D' LEVEL MAINTENANCE OF AVIONICS SYSTEM	25

2. Complete details of the required items against each tender and our terms & conditions are enclosed. The same may please be published on the respective website at the earliest as the tender opening date has been fixed as **20 August, 2024**. Invoice for payment of PPRA fee may be submitted to the undersigned accordingly.

3. Your co-operation in this regard will be highly appreciated.



(ABID GUL)
Wing Commander
For Managing Director
APF PAC Kamra
Tel Ext: 051-90996289

Encl: (As Stated)

TERMS AND CONDITION OF THE TENDERS

1. **Avionics Production Factory PAC Kamra** intends to procure Avionics System spares against the under mentioned tenders on "FOR" Kamra basis in local currency.

S NO	TENDER NO	DESCRIPTION OF STORES	LINE ITEMS	REMARKS
(a)	APF/1920/240/LOG(PC-229/24)	PROC OF SPARES FOR AVIONICS SYSTEM	33	• List of required stores against each tender is enclosed.
(b)	APF/1920/240/LOG(PC-231/24)	PROC OF 'D' LEVEL MAINTENANCE OF AVIONICS SYSTEM	25	• Separate quotations against each tender are Compulsory .

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 "C02501-20 Main Head 12 SUB Head 'A' Misc (Code Head- 1/845/30), CMA (ISOs) Rawalpindi"** on behalf of Managing Director APF PAC Kamra.

(ii) **Earnest money of @ Rs 100,000.00 in shape of Bank Draft / Pay order in the 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 **20 August, 2024 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 **20 August, 2024 at 1200 hrs** in the presence of available representatives. Whereas date for opening of commercial offers will be communicated to the respective firms 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 contrary to the terms & conditions of tender notice 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 so that deliveries of stores and payment can be disbursed within CFY. Delivery period should be clearly mentioned in quotations. 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.

(a) In case of rejection of stores , the supplier will be responsible to replace the rejected store within delivery period.

(b) If accepted store found defective within warranty period from the date of acceptance / commissioning / installation ,the supplier will ensure free of cost replacement / serviceability of the same within one month.

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 **10% performance bank guarantee** (valid for 12 months).

11. **Disqualification**

Offers are liable to be rejected 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) is not provided.
- (f) Past poor performance of the firm.

Yours faithfully,



(ABID GUL)

Wing Commander

For Managing Director

APF PAC Kamra

Tel Ext: 051-90996289

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. **Items should be current year's production.**
5. **All technical publication (wherever applicable) to be provided free of cost. Technical data sheets / specifications 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.**

LIST OF REQUIRED SPARES

TENDER NO. APF/1920/240/LOG(PC-229/24)

S NO	PART NO (MASTER AS WELL AS I/L)	NOUN	U/I	REQ QTY
1	AG604-86	Buffer Amplifier InGaP HBT Gain Block Type:SMD Package: SOT-86	Ea	10
2	SGA-3486	Amplifier InGaP HBT Gain Block Type: SMD Marking Code: A34	Ea	10
3	ADF4351BCPZ	IC Wide Band Synthesizer & Integrated VCO Type:SMD Package:32-Lead Lead Frame Chip Scale Package [LFCSP]	Ea	10
4	LT1963AEST-1.8- HAISH-PBF	IC 1.5A, Low Noise, Fast Transient Response LDO Regulators Type:SMD Package: 3-Lead Plastic SOT-223	Ea	5
5	LT4363HMS-2-HAISH- PBF	IC High Voltage Surge Stopper with Current Limit Type:SMD Package: 12 Lead Plastic MSOP	Ea	10
6	AD7416ARZ	IC 10-Bit Digital Temperature Sensor (AD7416) and 4-/1-Channel ADCs Type:SMD Package: 8 Lead Standard Small Outline Package (SOIC_N)	Ea	10
7	MAX3232EEAE-PLUS	IC ±15kV ESD-Protected, Down to 10nA, 3.0V to 5.5V, Up to 1Mbps, True RS-232 Transceivers Type:SMD Package:16 SSOP	Ea	10
8	AD9910BSVZ	IC 1 GSPS, 14-Bit, 3.3V CMOS Direct Digital Synthesizer Type:SMD Package: 100-Lead Thin Quad Flat Package, Exposed Pad [TQFP_EP]	Ea	10
9	ADP-2-1W-PLUS	IC Power Splitter/Combiner Type:SMD Package:CD636	Ea	10
10	LT1963AES8-HAISH- PBF	IC 1.5A, Low Noise, Fast Transient Response LDO Regulators Type:SMD Package: 8-Lead Plastic SO	Ea	5
11	PGA-105-PLUS	IC Monolithic Amplifier Type:SMD Package:SOT-89	Ea	10
12	LTC2850IMS8-HAISH- PBF	IC 3.3V 20Mbps RS485/RS422 Transceivers type:SMD Package:MSOP-8	Ea	10
13	AT24C256C-SSHL-T	IC Two-wire Serial EEPROM 256K (32,768 x 8) Type:SMD Package:8-lead, 0.150" Wide, Plastic Gull Wing Small Outline Package (JEDEC SOIC)	Ea	10
14	PS2801-1	IC Photo Coupler Type:SMD Package:PS2801	Ea	10
15	MAX490ESA	IC Low-Power, Slew-Rate-Limited RS-485/RS- 422 Transceivers Type:SMD Package:8 SO	Ea	10
16	TQP7M9103	IC 1W High Linearity Amplifier Type:SMD Package: 3-Pin SOT-89	Ea	10
17	HMC589	IC InGaP HBT Gain Block MMIC Amplifier, DC - 4 GHz Type:SMD Package:SOT89	Ea	10
18	74HC04D	IC Hex Inverter Type:SMD Package:SO14	Ea	10
19	MA4P504-1072	MELF PIN Diode Type:SMD Package:ODS 1072	Ea	20
20	MK1160VP	RF Power LDMOS Transistor 1000-1100 MHz,50V, 600W Type:SMD	Ea	5
21	HSMS-2860	Microwave Schottky Detector Diode Type: SMD Package: SOT-23	Ea	10

TENDER NO. APF/1920/240/LOG(PC-229/24)

22	HMC349MS8GE	IC High Isolation SPDT Non-Reflective Switch, DC-4 GHz Type:SMD Package: Ultra Small MS8G 14.8 mm2	Ea	10
23	HT19-2101SURC	LED Type:SMD Package:0603	Ea	20
24	TC1-1T-PLUS	IC RF Transformer Type:SMD Case Style: AT224-1A	Ea	10
25	IDT8SLVD1208- 33NBGI	IC CLK Buffer 2:8 2GHZ Type:SMD Package:QFN28	Ea	10
26	STM32F107VCT6	IC ARM based 32-bit MCU with 256 KB Flash, USB OTG, Ethernet, Type:SMD Package:LQFP100	Ea	10
27	H/SZ-01	Timer	Ea	5
28	JZPB-26-40MHZ-3.3V- 50	Crystal Oscillator 40 MHz Type:SMD Package:7050	Ea	10
29	MAX9122EUE-PLUS	IC Receiver 0/4 Type:SMD Package:16 TSSOP	Ea	10
30	CA35-9-75V-470UF-K	Wet Tantalum capacitor Axial lead, wet ,Non-solid , hermetic seal Type:THT Package:CA35	Ea	10
31	IRF7306TRPBF	IC MOSFET 2P-CH 30V 3.6A Type:SMD Package:8-SO	Ea	10
32	LT1074HV-ADJ	Power Supply Chip Step-Down Switching Regulator Type: SMD Package: 5-Lead Plastic TO-220	Ea	10
33	MA4P7470-1072	RF PIN Diode 2000 Volt & 3000 Volt PIN Diodes Type:SMD Package:1072	Ea	10

LIST OF REQUIRED SPARES**TENDER NO. APF/1920/240/LOG(PC-231/24)**

S NO	PART NO (MASTER AS WELL AS I/L)	NOUN	U/I	REQ QTY
1	XQ4005EPG156-4M I/L XC4005EPG156-4M	HIGH RELIABILITY FPGA (IC)	Ea	5
2	FR157-650	Pot Meter (Variable Resistor 5K ohm)	Ea	12
3	JA8-11.0592MHz I/L 11.0592MHZ	CRYSTAL OSCILLATOR THT	Ea	6
4	JSD-20 I/L CKL-11	Timer	Ea	2
5	UM6010E	Pin Diode	Ea	4
6	CA42-100uF-25V	Capacitor 100UF 25V (THT)	Ea	16
7	KWM2155AM	DC/DC Converter 55V	Ea	1
8	MA4P604-30	PIN Diode SMD Package:SOT23	Ea	10
9	HDSP-2133	LED Display and Agessories Green 574NM 5x7 Smart Display	Ea	4
10	LM1084ISX-ADJ/NOPB	3-Pin Regulator IC, Package DDPAK TO-263	Ea	5
11	LD1117S12CTR	Regulator IC 1.2V, Package SOT-223	Ea	5
12	ECS3953M-1000-BN-TR	Oscilator 100.00 MHz, 3.3V, Package SMD	Ea	5
13	39812500000	Fuse, Package THT, 65V, 2.5A, MP250	Ea	5
14	0440002.WR	Fuse, Package SMD, 2A, 32VDC	Ea	5
15	MFU0805FF00750P500	Fuse, Package SMD, 750mA, 32VDC	Ea	5
16	CD74HC03MT	IC (Logic Gates High Speed CMOS Quad 2-Input NAND Gate), 14 Ld SOIC Package	Ea	5
17	LM219DT	IC (Analog Comparators Hi-Spd Dual Voltage), SO-14 Plastic Micro package	Ea	10
18	UA741ID	IC (General Purpose Operational Amplifiers) D package	Ea	5
19	PMBT2369	Bipolar Transistor - BJT NPN SW 200mA 15V, SOT-23 Package	Ea	10
20	MAX809TTRG	IC (3.08V, 3-Pin Microprocessor Reset) SOT-23 Package	Ea	5
21	ADF4360-1BCPZ	IC (Integrated Synthesizer and VCO Freq 2050-2450), 24-Lead, Lead Frame Chip-Scale Package (LFCSP)	Ea	5
22	AZ1117EH-3.3TRGI	IC (Linear Regulator 3.3V), SOT-223 Package	Ea	5
23	C8051F330-GM	IC (Microcontroller - 8KB, 10 bit ADC 20 Pin MCU)	Ea	5
24	M3SWA-2-50DRB+	SPDT Switch, 3.25 x 3.25 mm MCLP package	Ea	5
25	LTW-150TK	LED, EIA STD Package	Ea	5