

**GOVERNMENT OF PAKISTAN
AVIONICS PRODUCTION FACTORY (APF) PAC KAMRA**

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 of the under mentioned equipment on "DDP" Kamra basis.
2. Separate quotations (Technical & Commercial) for under mentioned items, are to be submitted; -

Tender Reference	Description of Store	L/I	Tender Closing date and Time	Tender opening date and Time
APF/786-A/1921/1/Log /PC-06	Spares for MRO & Indigenous	10 EA	31-08-2026 at 1130 Hrs	31-08-2026 at 1200 Hrs
APF/786-A/1921/1/Log /PC-08	Spares / Consumable	38 Ea		

3. **Delivery of Tender**

(a) **Technical Offer:**

Technical offer should be without prices and containing all relevant/ essential specification along with literature / brochure. Alternate / In-lieu item / Part Numbers of the required items can also be quoted. Tender/Part Case number, date of opening and word (Technical offer) should be clearly marked on the face of envelope.

(b) **Commercial Offer:**

Commercial offer should indicate prices of quoted item and confirmation to the term and conditions of our tender inquiry. Tender/Part Case number and words "Commercial offer" be marked on the face of envelope.

(c) **Bid Money/Earnest Money:**

The participating firms will provide 5% earnest money of the quoted value through bank draft in favor of **CMA (ISO) Rwp** with Tech quote in separate envelope.

All 03 envelopes of **Earnest Money, Technical & 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. **Opening of Tender**

The quotations must be in original and are to reach at this factory on **1130 Hrs** on **31 August, 2026**. 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. Tender will be opened on **31 August, 2026** at **1200 Hrs** in the presence of available representatives. We reserve the right to cancel or reject all bids / proposals at any time prior to acceptance as per PPRA rules.

5. **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 as per following format:-

Item S.No	Part No	Noun + Specs	U/I	Qty	Unit Price			Total Price with GST
					Without GST	GST	Price with GST	

6. **Validity of offer**

The quotation should be valid for 120 days after opening.

7. **Delivery Period**

Deliver Period of the contract is **04 months** after the signing of the contract.

8. **Country of Manufacturer**

Country / place of manufacture of store is to be provided along with Technical quotation alongwith data sheet / Commercial offer.

9. **Treasury Challan**

Offer must be accompanied by challan form No F-32A of Rs 200.00, obtained from SBP / Govt Treasury under "Departmental Receipt Major Head 1221000, CMA (ISO) Rawalpindi" on behalf of Managing Director APF PAC Kamra.

10. **Release of Payment**

Payment will be released by **CMA (ISO) Rawalpindi** on submission of proper bill / sales Tax invoice, copies of GST registration / Professional Tax certificates of Punjab province, proof of Active Taxpayers List (ATL) of FBR and Sales Tax Return.

11. **Acceptance of Stores**

The ordered store will be accepted as per attached terms and conditions. The store if rejected or found defective within one year from the day of delivery / commissioning will be replaced by the supplier free of charge.

12. **Bank Guarantee**

- Performance BG (10% of contract value as finalized) be provided within 30 days of the signing of contract. After delivery and acceptance of stores 10% PBG will be retained as warranty BG till the completion of warranty period.
- Warranty BG 10%, valid for 60 days after the expiry of warranty period.

13. **Disqualification of Bid**

Offers are liable to be rejected if: -

- (a) There is a deviation from any instruction of the tender.
- (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) Non-provisioning of earnest money with commercial offer, and confirmation to this effect be mentioned in Tech offer without mentioning the amount.
- (f) Any "Corrupt and Fraudulent Practice" as defined in PPRA Rule-2(f).

14. **ADDITIONAL TERMS AND CONDITIONS (APF/LG-07)**

- i. Item to be delivered at APF on "DDP" Kamra basis.
- ii. Delivery period of the case is 04 months after the signing of the contract.
- iii. Technical Data sheet of the items must be provided along with the quotation
- iv. Supplier is responsible for 12 months warranty/ guarantee of items.
- v. Items should be factory new and from current year's production.
- vi. Items will be inspected by concerned user/quality control APF, PAC Kamra.
- vii. Items would only be acceptable against contracted part number, no in lieu would be acceptable on delivery without prior technically acceptance of user.
- viii. Partial payment against partial delivery is allowed..
- ix. Complete detail of procurement verification from OEM & CoC must be provided at the time of delivery of stores.

Yours Faithfully,


Director Logistics (786-A)
for Managing Director
APF, PAC Kamra
Tel No: 051-9099-6590

Dated: 12 August, 2026

LIST OF ITEMS AGAINST

**LIST OF ITEMS AGAINST
CASE NO APF/786-A/1921/1/LOG/PC-06 (2026-27)**

S No	Part NO	Description	U/I	Qty Req
1	5999PK0003414	Kit of F-DACS Audio Processor Card	KT	4
2	RM372-104-321-5500	Thru Hole, Right Angle Plug Without Mounting Ears, 3-Row, 104 Positions	EA	4
3	5999PK0003414	F-DACS Audio Processor Bare PCB	EA	4
4	5965PK0000246-5-1	Bare PCB of ACP front panel	EA	3
5	GM0504PEV2-8.GN	Slim line axial fan 10CU M/H 5 VDC	EA	3
6	MS27656T15B35PA	Amphenol connector plug	EA	3
7	MS27656T15B35S	Amphenol connector socket	EA	3
8	MM-314-069-161-44W3	Pigtail connector 69 pin	EA	2
9	AP-ISD04GCS4A-8T	Memory cards ind. SD card SLC 4GB	EA	5
10	5998PK0003411	UFCP Processor Card Bare PCB	EA	5

COMPOSITION OF KIT CITED AT INDENT S NO 1

S NO	PART NO	NOUN	U/I	QTY PER KIT
1	CL10A226MO7JZNC	Multi-layer Ceramic Capacitor 22uF, 0603, $\pm 20\%$ SMD	Ea	14
2	ZRB18AR61E106ME01L	Cap Cer 10uF 25V X5R 0603 SMD	Ea	75
3	0402B103J250CT	Capacitor Ceramic 10000pF 25V X7R 0402	Ea	9
4	GRM155C81E105KE11D	Cap Cer 1uF 25V X6S 0402 SMD	Ea	35
5	CC0402KRX5R8BB104	Cap Cer 0.1uF 25V X5R 0402 SMD	Ea	118
6	T521B226M025ATE100	Cap Tant Poly 22uF 25V 1411	Ea	7
7	885012005036	Cap Cer 2.2pF 25V C0G/NP0 0402 SMD	Ea	4
8	C0603C683J3RAC7867	Capacitor Ceramic 0.068uF 25V X7R 0603	Ea	2
9	0402N102J250CT	Capacitor Ceramic 1000pF 25V C0G/NP0 0402	Ea	1
10	04023A221FAT2A	Cap Cer 220pF 25V NP0 0402 SMD	Ea	14
11	GRT155R61E225KE13D	Cap Cer 2.2uF 25V X5R 0402 SMD	Ea	7
12	CL05B333KA5NNNC	Multi-layer Ceramic Capacitor 33nF, 0402, $\pm 10\%$ SMD	Ea	31
13	GRT31CR61H106KE01L	Cap Cer 10uF 50V X5R 1206 SMD	Ea	28
14	CC0402KRX7R8BB273	Capacitor Ceramic 0.027uF 25V X7R 0402	Ea	2
15	GRM155R71E223JA61D	Capacitor Ceramic 0.022uF 25V X7R 0402	Ea	3
16	C0402C122K3RACTU	Cap Cer 1.2nF 50V 0402	Ea	3
17	C0603C682F3GACTU	Cap Cer 6800pF 25V C0G/NP0 0603	Ea	4
18	C0402C123K3RACTU	Capacitor Ceramic SMD 12nF 25V X7R 0402	Ea	6
19	GRM155R71E473JA88D	Capacitor Ceramic 0.047uF 25V X7R 0402	Ea	4
20	GCJ188R71E223KA01D	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 0.022uF 25V X7R 10%	Ea	4
21	ESD5ALC5-1BM2	TVS Diode 5V SOD882 SMD	Ea	18
22	EL-19-21VGC/TR8	Standard LEDs - SMD Green Water Clear 571nm 12.5mcd	Ea	1
23	MPZ1608S221ATA00	Ferrite Bead 220 Ohm 0603 1LN SMD	Ea	2
24	PBC06SAAN	Connector Header Through Hole 6 Position	Ea	1
25	ERJ-PA3F1001V	Thick Film Chip Resistor 1K Ohm 1/4W, 0603, 1% SMD	Ea	78
26	ERJ-3BSFR10V	Thick Film Chip Resistor 0.1 Ohm 1/4W, 0603, 1% SMD	Ea	6
27	ESR03EZPF10R0	Anti-Surge Chip Resistor 10 Ohm, 1%, 1/4W, 0603 SMD	Ea	21
28	CRCW120647R0JNEAC	Res 47 Ohm 5% 1/4W 1206 SMD	Ea	7
29	CRCW060310K0FKEAHP	Resistor SMD 10K Ohm 1% 0.25W 0603	Ea	14
30	PLT0805Z5001AST5	Res SMD 5K Ohm 0.05% 1/4W 0805	Ea	30
31	ERJPA3F3301V	Resistor SMD 3.3K Ohm 1% 1/4W 0603	Ea	2
32	CRCW04020000Z0EDHP	Res SMD 0 Ohm Jumper 1/5W 0402	Ea	3
33	MCT0603PD4990DP500	Resistor 499 Ohm 0.5% 1/4W 0603	Ea	3
34	MCT0603PD1000DP500	Res 100 Ohm 0.5% 1/4W 0603 SMD	Ea	15
35	2176092-7	Resistor 0805 SMD 768 Ohm 1/4W 0.1% SMD	Ea	4
36	ESR03EZPJ474	Resistor SMD 470K Ohm 5% 1/4W 0603	Ea	14
37	CRCW06030000Z0EAHP	Thick Film Chip Resistor 0 Ohm Jumper 0603 SMD	Ea	98
38	ERJ-PA3F2003V	Res SMD 200K Ohm 1% 1/4W 0603	Ea	10
39	ERJ-8ENF1181V	Res SMD 1.18K Ohm 1% 1/4W 1206	Ea	2
40	ERJ-P03F1331V	Thin Film Chip Resistors - SMD 1.33K Ohm 1% 0603	Ea	6
41	ERJ-PB6D1371V	Resistor 1.37K Ohm 0.5% 1/4W 0805 SMD	Ea	2
42	ERJ-3EKF1401V	Resistor SMD 1.4K Ohm $\pm 1\%$ 0603	Ea	2
43	ERJ-PA3F1003V	Res SMD 100K Ohm 1% 1/4W 0603	Ea	1
44	RK73H2ATTD1001F	Res SMD 1K Ohm 1% 1/4W 0805	Ea	4
45	ERJ-PA3F1801V	Resistor 1.8K Ohm 1% 1/4W 0603 SMD	Ea	2
46	ERJ-PB6D1401V	Resistor 1.4K Ohm 0.5% 1/4W 0805 SMD	Ea	2
47	RC0603FR-0760K4L	Resistor SMD 60.4K Ohm 0603	Ea	6
48	PLT0805Z5000AST5	Resistor SMD 500 Ohm 0.05% 1/4W 0805	Ea	6
49	RT0603BRE07250RL	Thin Film Resistors - SMD 250 Ohm 0.1% 50 ppm High-Precision	Ea	3
50	CRCW06031R00FKEAHP	Thick Film Chip Resistor 1 Ohm, 1%, 0603 SMD	Ea	1
51	ERJPA3F3001V	Resistor SMD 3K Ohm 1% 1/4W 0603	Ea	23
52	ERJ-PA3F1502V	Thick Film Chip Resistor 15K Ohm 1/4W, 0603, $\pm 1\%$ SMD	Ea	6

S NO	PART NO	NOUN	U/I	QTY PER KIT
53	ERJ-PA3F5101V	Thick Film Chip Resistor 5.1K Ohm 1/4W, 0603, $\pm 1\%$ SMD	Ea	6
54	RK73H2ATTD1651F	Thick Film Resistor 1.65K Ohm $\pm 1\%$ 0805 SMD	Ea	4
55	RNCP0805FTD4K02 (I/L RNCP0805FTD4K02CT-ND)	Resistor 4.02K Ohm 1% 1/4W 0805 SMD	Ea	4
56	RC0603FR-07330RL	Resistor SMD 330 Ohm 1% 1/10W 0603	Ea	2
57	ERJ-PA3F2702V	Resistor SMD 27 K Ohm 1% 1/5W 0603	Ea	10
58	CMP0603-FX-27R0ELF	Resistor SMD 27 Ohm $+1\%$ 0603	Ea	4
59	PBC02SAAN	Connector Header Through Hole 2 Position	Ea	4
60	T:PA6120A2DWP	High Fidelity Headphone Amplifier	Ea	3
61	STM32H743ZIT6	Analog Interfaces	Ea	1
62	OPA192IDBVR	High Voltage, Rail-to-Rail Input/Output, Precision Operational Amplifier	Ea	54
63	CLC1002IST6X	Ultra-Low Noise Amplifier 06 Pin SOT-23	Ea	4
64	XC6124E628MR-G	IC Watchdog Timer SOT-25	Ea	1
65	PCM1690DCAR	PCM1690 24-Bit Eight-Channel Audio Digital-to-Analog Converter	Ea	1
66	REF5025IDR	Low-Noise, Very Low Drift, Precision Voltage Reference O/P 2.5V	Ea	1
67	ABLS-8.000MHZ-D-4-H-T	Crystal 8.0 MHz SMD	Ea	1
68	FC-13532.768KA-AG0	Crystal 32.768KHz 7pF SMD	Ea	1
69	OPA210IDBVR	Ops Amplifier	Ea	12

**LIST OF ITEMS AGAINST
CASE NO APF/786-A/1921/1/LOG/PC-08 (2026-27)**

S No	Part NO	Description	U/I	Qty
1	X500G3I/Oboard	I/O Interface	EA	2
2	W25Q128FV	Serial Flash Memory (128M-Bit)	EA	5
3	521	Thinner	LR	5
4	SN63CR32AG89.5	Solder paste (500 grams)	BT	1
5	443-0578	Solder wire 63/37 (weight=250 dia=0.4)	EA	1
6	638135	Liquid flux (1 Ltr)	BT	3
7	QW-SP63-Q760	Solder balls (0.76MM) (Jar OF 250000 PCS)	JR	1
8	DRG01L	DRG SCC3 remover gel	LR	2
9	R00000-60	Indium tin oxide transparent conductive coating (1 Ltr)	BT	4
10	MMS79121	99.7% IPA Alcohol	LR	2
11	2216B/GGRAY	Adhesive, high-peel/sheer, epoxy, grey, room temperature. tube	TU	1
12	7041050910	Sn96.5Ag3.0Cu0.5, Lead free, T4, No Clean Solder Paste (500g)	JR	1
13	DG-3S	Structural epoxy adhesive	TU	2
14	VITREXAT200	Concentrated defluxer	LR	2
15	6810PK0003450	RMA Flux (1 Ltr)	BT	5
16	6810PK0003451	Eco-dFluxer SMT400	BT	5
17	792660	Adhesive sealant RTV 3145	Ea	1
18	ISP1161A1BD	Universal serial bus single chip host and device controller	Ea	5
19	AD812ARZ	CI 2260 SO- 8 Amplificadro O	Ea	5
20	EL2460CS	IC 2460	Ea	5
21	R4300	Thermal transfer printer ribbon 4300 series (83.060mm x 299.920m Black)	RL	1
22	THT-21-428	Metallized polyester label (3"x300 FT)	RL	1
23	FDD3682	MOSFET N-channel power	Ea	5
24	MLL967B-1	Diode zener	Ea	5
25	MLL974B-1	Diode zener	Ea	5
26	SN74ABT16244AD GVR	Buffer/driver quad 4-bit BICMOS-TTL	Ea	5
27	JANTX1N4148UR- 1	Diode signal 0.2 A silicon DO-213AA	Ea	5
28	SMCG33CA	Diode TVS bidirectiona silicon 1500w	Ea	5
29	MMBTA42	Transistor NPN high	Ea	5
30	MMBTA42LT1	Transistor BJT NPN 300V V(BR) CEO 500MA I	Ea	5
31	2N7002E	MOSFET small signal N-Channel 240 mA 60	Ea	5
32	TVPS02FCI21-11P- F508	CNC CIRC 21-11 11P/M Recept Rect S/PCB L	Ea	5
33	TVPS02FCI23-54P- F507	CNC Cir 23-54 9+40+12 P/M Recept Rect S	Ea	5
34	1500811008002	TOR AV CRUC M3X8 INOX DIN965	EA	180
35	M01125005APA6	M2.5X5 DIN 965 A4 C/AV screw	EA	200
36	M01125006APA6	M2.5X6 DIN 965 A4 C/AV screw	EA	200
37	M01125008APA1	Tornillo Matrica M2.5X8 DIN 965 A2 Negro	EA	200
38	1500809006013	TOR AV CRUC M2.5X6MM INOX OX NE DIN965	EA	200