

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

**TERMS AND CONDITIONS**

**OPEN TENDER**

1. Sealed tenders are invited from only those sales tax registered suppliers who are on Active Taxpayers List (ATL) of FBR, for purchase / repair of the following items on "FOR" Kamra basis.
2. Separate quotations in separate envelopes (Technical & Commercial) for under mentioned items, are to be submitted;-

S No	Tender Reference	Part No	Noun	Qty	UI	Tender opening date and Time
1	<b>APF/786-A/1921/13/LP/PC-07</b>	885012005036	CAP CER 2.2PF 25V C0G/NP0 0402 SMD	60	EA	<b>23-09-2019 at 1200 Hrs</b>
2		04023A221FAT2A	CAP CER 220PF 25V NP0 0402 SMD	140	EA	
3		04023C682JAT2A	CAP CER 6800PF 25V X7R 0402 SMD	260	EA	
4		2176092-7	RESISTOR 0805 SMD 768 OHM 1/4W 0.1% SMD	40	EA	
5		5998PK0001530	F-DACS POWER SUPPLY BARE PCB	2	EA	
6		5998PK0001534	F-DACS AUDIO PROCESSOR BARE PCB	2	EA	
7		5998PK0001536	F-DACS MOTHER BOARD BARE PCB	2	EA	
8		5998PK0001538	F-DACS ILLUMINATION BARE PCB	2	EA	
9		5998PK0001742	R-DACS POWER SUPPLY BARE PCB	2	EA	
10		5998PK0001744	R-DACS AUDIO PROCESSOR BARE PCB	2	EA	
11		5998PK0001746	R-DACS MOTHER BOARD BARE PCB	2	EA	
12		5998PK0001748	R-DACS ILLUMINATION BARE PCB	2	EA	
13		5998PK0001760	BARE PCB OF F-DACS AUDIO PROCESSOR CARD STAND BY	2	EA	
14		5998PK0001762	BARE PCB OF F-DACS POTMETER	2	EA	
15		5998PK0001764	BARE PCB OF R-DACS POTMETER	2	EA	
16		8-1625868-4	RES SMD 39.2 OHM 1% 1/4W 0603	170	EA	

17	<b>APF/786-A/1921/13/LP/PC-07</b>	ABLS-8.000MHZ-B4-T	HC/49US (AT49) SMD LOW PROFILE CRYSTAL	15	EA
18		ATMEGA2560V-8AU	8 BIT 256K FLASH MCU SMD TQFP 100	3	EA
19		BFC233820103	CAPACITOR CLASS X2,10NF,310VAC(0.01UF,THT)	5	EA
20		C0201C101J8GAC7867	CAP CER 100PF 10V C0G/NP0 0201	170	EA
21		C0402C681J3GAC7867	CAP CER 680PF 25V NP0 0402 SMD	170	EA
22		C0402H152J3GAFT1K0	CAP CER 1500PF 25V C0G/NP0 0402	170	EA
23		C0805X106J8RACAUTO	CAPACITOR CERAMIC 10UF 10V 0805 SMD	30	EA
24		C1005X5R1E105K050BE	1UF MULTILAYER CERAMIC CHIP CAPACITOR, 0402, 25V SMD	20	EA
25		CC0402KRX5R8BB104	CAP CER 0.1UF 25V X5R 0402 SMD	1490	EA
26		CC0402KRX7R8BB332	CAPACITOR CERAMIC 3300PF 25V 0402 SMD	10	EA
27		CDSOD323-T05SC	TVS DIODE 5V SMD SIZE SOD-323	60	EA
28		CGA3E3X7S2A104K080AB	MULTILAYER CERAMIC CHIP CAPACITOR 0.1UF 100V X7S 0603 SMD	10	EA
29		CGJ4J3X7T2D104K125AA	MULTILAYER CERAMIC CHIP CAPACITOR 0.1UF 200V X7T 0805 SMD	60	EA
30		CRCW06031K33FKEAHP	RES SMD 1.33K OHM 1/4W	40	EA
31		CRCW06032R00FKEAHP	RES SMD 2 OHM 1% 1/4W 0603	10	EA
32		CRCW0603866RFKEAHP	RESISTOR SMD 866 OHM 1% 1/4W 0603 SMD	10	EA
33		CRGP0603F4K7	THICK FILM RESISTORS CRGP 0603 4K7 1% SMD RESISTOR	10	EA
34		CT41-1206-2C1-104K	CAPACITOR 100V-0.1UF SMD PACKAGE 1206	5	EA
35		EB2-5NU-L	LOW SIGNAL RELAYS - PCB 5VDC NON-LATCH	60	EA
36		EL-19-21VGC/TR8	STANDARD LEDs - SMD GREEN WATER CLEAR 571nm 12.5mcd	15	EA
37		ERJ-3BQJ1R0V	RESISTOR 1 OHM 5% 1/5W 0603 SMD	10	EA
38		ERJ-6DSFR10V	CURRENT SENSE RESISTORS - SMD 0805 100MOHMS 1% CURR SENS AEC-Q200	20	EA
39		ERJ-6DSFR20V	CURRENT SENSE RESISTORS - SMD 0805 200MOHMS 1% CURR SENS AEC-Q200	26	EA

**23-09-2019 at 1200 Hrs**

40	<b>APF/786-A/1921/13/LP/PC-07</b>	ERJ-P6WF4702V	THICK FILM RESISTORS - SMD 0805 47KOHMS 1% ANTI-SURGE AECQ200	4	EA
14		ERJ-PA3F1203V	RESISTOR 120K OHM 1% 1/4W 0603 SMD	20	EA
42		ERJ-PA3F1801V	RESISTOR 1.8K OHM 1% 1/4W 0603 SMD	40	EA
43		ERJ-PA3F7501V	RES SMD 7.5K OHM 1% 1/4W 0603	170	EA
44		ERJ-PA3J123V	RESISTOR 12K OHM 5% 1/4W 0603 SMD	40	EA
45		ERJ-PB6D1371V	RESISTOR 1.37K OHM 0.5% 1/4W 0805 SMD	20	EA
46		ERJ-PB6D1401V	RESISTOR 1.4K OHM 0.5% 1/4W 0805 SMD	40	EA
47		ERJ-PB6D2262V	RESISTOR 22.6K OHM 0.5% 1/4W 0805 SMD	60	EA
48		ERJ-PB6D6040V	RES SMD 604 OHM 0.5% 1/4W 0805	5	EA
49		ESDALC5-1BM2	TVS DIODE 5V SOD882 SMD	270	EA
50		ESR03EZPJ100	RES SMD 10 OHM 5% 1/4W 0603	730	EA
51		ESR03EZPJ122	RES SMD 1.2K OHM 5% 1/4W 0603	40	EA
52		ESR03EZPJ301	RES SMD 300 OHM 5% 1/4W 0603	20	EA
53		ESR03EZPJ361	RES SMD 360 OHM 5% 1/4W 0603	170	EA
54		FC-13532.768KA-AG0	CRYSTAL 32.768KHZ 7PF SMD	15	EA
55		FMMT617TA	TRANSISTOR NPN 15V 3A SOT23-3 SMD	30	EA
56		FR266-528	DRILL SET (ENG 1MM-5.9MM)	1	EA
57		GCM155C71A105KE38D	CAPACITOR CERAMIC 1UF 10V X7S 0402 SMD	10	EA
58		GRM155C81E105KE11D	CAP CER 1UF 25V X6S 0402 SMD	415	EA
59		GRT155R61E225KE13D	CAP CER 2.2UF 25V X5R 0402 SMD	105	EA
60		GRT31CR61H106KE01L	CAP CER 10UF 50V X5R 1206 SMD	280	EA
61		KRL2012E-M-R100-F-T5	RESISTOR 0.1 OHM 1W 0805 WIDE SMD	10	EA
62		KTD251B106M99A0B00	CAP CER 10UF 250V X7R RADIAL	20	EA
63		L14758	POTENTIOMETER SINGLE MODULE 10K WITH AJ SPDT ROTARY SWITCH	5	EA
64		L14759	POTENTIOMETER SINGLE MODULE 10K (WITHOUT SWITCH)	25	EA
65		L7805ACD2T-TR	IC VOLTAGE REGULATOR LINEAR 5V 1.0A D2PAK	10	EA
66	L7812CD2T-TR	POSITIVE VOLTAGE REGULATOR O/P 12V	15	EA	

**23-09-2019 at 1200 Hrs**

67	<b>APF/786-A/1921/13/LP/PC-07</b>	L7912CD2T-TR	IC VOLTAGE REGULATOR LINEAR -12V 1.5A D2PAK-3	15	EA
68		LD39050PU33R	500 mA low quiescent current low noise voltage regulator O/P 3.3V	10	EA
69		LL4148TR	DIODE GP 75V 300MA MINIMELF	260	EA
70		MAX14940GWE+	ESD Protection and Integrated Transformer Driver	12	EA
71		MC01W08051120R	RESISTOR 120 OHM, 150V, SMD, 0805	40	EA
72		mc0805n220j500ct	CAPACITOR CERAMIC MULTILAYER 22PF SMD 50V 0805	5	EA
73		MC1206B106K160CT	CAPACITOR CERAMIC SMD MULTILAYER 10UF 16V	8	EA
74		MCCTB105M035	CAPACITOR 1uf SMD	13	EA
75		M-FIAM9MG1	INPUT ATTENUATOR MODULE	1	EA
76		MMBT2222A-7-F	TRANS NPN 40V 0.6A SMD SOT23-3	85	EA
77		MMBT3906T	TRANSISTOR PNP 40V 0.2A SOT-523F	60	EA
78		MPZ1608S221ATA00	FERRITE BEAD 220 OHM 0603 1LN SMD	115	EA
79		NK-1C2-009-128-TH00	PLUG 1 ROW 09 PIN CABLE TO BOARD HORIZONTAL SMT NK-SERIES	2	EA
80		OPA192IDBVR	High Voltage, Rail-to-Rail Input/Output, Precision Operational Amplifier	230	EA
81		PBC01SAAN	CONNECTOR HEADER THROUGH HOLE 1 POSITION	990	EA
82		PBC02SAAN	CONNECTOR HEADER THROUGH HOLE 2 POSITION	60	EA
83		PBC05DAAN	CONNECTOR HEADER THROUGH HOLE 10 POSITION	10	EA
84		PBC06SAAN	CONNECTOR HEADER THROUGH HOLE 6 POSITION	15	EA
85		PCM1690DCAR	PCM1690 24-Bit Eight-Channel Audio Digital-to-Analog Converter	5	EA
86		PLT0805Z5000AST5	RESISTOR SMD 500 OHM 0.05% 1/4W 0805	20	EA
87		PLT0805Z5001AST5	RES SMD 5K OHM 0.05% 1/4W 0805	585	EA
88		PYB30-Q48-T515	DC DC CONVERTER 48 VDC	10	EA
89		RC1206FR-073R4L	RESISTOR SMD 3.4 OHM 1% 250MW 1206	40	EA
90		RCWE2010R200FKEA	RESISTOR 0.2 OHM 1% 1W 2010 SMD	10	EA
91	RE459-04GA2	KNOB	22	EA	
92	REF5025IDR	Low-Noise, Very Low Drift, Precision Voltage Reference O/P 2.5V	6	EA	

**23-09-2019 at 1200 Hrs**

93	<b>APF/786-A/1921/13/LP/PC-07</b>	RHC2512FT4K70	4.7 KOHMS ±1% 2W CHIP RESISTOR 2512 (6432 METRIC) MOISTURE RESISTANT THICK FILM	10	EA
94		RL1206FR-070R4L	RESISTOR 0.4 OHM 1% 1/4W 1206 SMD	20	EA
95		RM242-020-291-5500	POWER CARD CONNECTOR RECEPTACLE	5	EA
96		RM272-020-321-5500	RECTANGULAR MIL SPEC CONNECTOR 2 ROW AND PLUG BOARD MOUNT	5	EA
97		RM342-104-211-5500	THRU HOLE, RECEPTACLE STRAIGHT WITHOUT MOUNTING EARS, 3-ROW, 104 POSITIONS	10	EA
98		RM372-104-321-5500	THRU HOLE, RIGHT ANGLE PLUG WITHOUT MOUNTING EARS, 3-ROW, 104 POSITIONS	10	EA
99		RNCP0805FTD4K02	RESISTOR 4.02K OHM 1% 1/4W 0805 SMD	20	EA
100		SM30T42AY	TVS DIODE 36V 58.1V SMC	10	EA
101		SMAZ10-13-F	DIODE ZENER 10V 1W SMA	10	EA
102		SSC53L-E3/57T	DIODE SCHOTTKY 30V 5A DO214AB	60	EA
103		STM32F427ZIT6	IC MCU 32BIT 2MB FLASH 144LQFP	6	EA
104		T491X107K025AT	CAP TANT 100UF 25V 10% 2917	20	EA
105		T521B226M025ATE100	CAP TANT POLY 22UF 25V 1411	110	EA
106		T521X226M050ATE075	CAP TANTALUM 22UF 50V 2917	10	EA
107		TACL106K010XTA	CAPACITOR TANTALUM 10UF 10% 10V 0603 SMD	105	EA
108		TAJC107K010RNJ	CAP TANT 100UF 10V 10% 2312	10	EA
109		TPA6120A2RGYT	TPA6120A2 HIGH FIDELITY HEADPHONE AMPLIFIER	36	EA
110		TWAD107K125SBEZ0000	CAP TANT 100UF 10% 125V AXIAL	20	EA
111		TX2SA-5V	LOW SIGNAL RELAYS - PCB 2A 5VDC DPDT NON-LATCHING SMD	30	EA
112		VCAS120634N770DP	VARISTOR 47V 200A 1206	10	EA
113		VFM-10A	POWER LINE FILTERS 0-75VIN 10A DC EMI FILTER	10	EA
114	WNC1R0FET	WIREWOUND RESISTORS - THROUGH HOLE 2W 1 OHMS 1%	10	EA	

**23-09-2019 at 1200 Hrs**

### 3. **Delivery of Tender**

#### (a) **Technical Offer:**

Technical offer should be without prices and containing all relevant/essential specification along with literature / brochure. 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 price 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 (Mandatory) :**

The participating firms will provide **5% earnest money** of the quoted value (**with commercial offer separately envelop**) through bank draft in favor of MD APF PAC Kamra.

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. **Opening of Tender**

The quotations must be in original and are to reach at this factory on **1130 hrs** on **23 September, 2019**. All quotations are to be dropped in the office of **Dy Dir Log (JF-17) APF, PAC Kamra Attock**. No quotation will be accepted in photocopy, through fax and after due date and time. Tender will be opened on **23 September, 2019** 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	U/I	Qty	Unit Price			Total Price with GST
					With out GST	GST	Price with GST	

### 6. **Validity of offer**

The quotation should be valid for 120 days after opening.

### 7. **Delivery Period**

Store is 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 subsequent extension will be granted except under extreme un-avoidable circumstances.

8. **Country of Manufacturer**

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

9. **Release of Payment**

Payment will be released by Accounts department APF 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.

10. **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.

11. **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) Non-provisioning of **earnest money** with commercial offer, and confirmation to this effect be mentioned in Tech offer without mentioning the amount.

**Yours Faithfully,**

Sdxxx  
**(M ISHAQ ZAFAR)**  
Squadron Leader  
for Managing Director  
APF, PAC Kamra  
Tele No: 051-90996592

Dated 05-09-2019

**APF/LG-07**

**TERMS AND CONDITIONS FOR  
TENDER INQUIRY NO APF/786-A1921/13/LP/PC-07**

- a. Item to be delivered at APF on “FOR” Kamra basis.
- b. Supplier will be made responsible for warranty/guarantee of item.
- c. Prices and part catalogue be provided free of cost.
- d. Item should be factory new and from current year’s production.
- e. Item will be inspected by concerned user/quality control APF.
- f. All technical publication (wherever applicable) to be provided free of cost.
- g. Indented item must have 01 year complete warranty. Original Warranty Card from OEM must be available inside the packing.
- h. Item would only be acceptable exactly against purchase order part number, no in lieu would be acceptable on delivery without prior technically acceptance of user.
- j. Installation / commissioning for item (if required) will be carried out by the supplier.