

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

PUBLISHING OF TENDERS ON PPRA WEBSITE

1. APF intends to procure Spares / Components / Consumables & Chemicals against the under mentioned tenders on "FOR" Kamra basis in local currency.

S NO	TENDER NO	DESCRIPTION OF STORES	LINE ITEMS
(a)	APF/1920/181/LOG (PC-157/22)	Proc of Components / Consumables	45
(b)	APF/1920/190/LOG (PC-158/22)	Proc of Spares	18
(c)	APF/1920/190/LOG (PC-159/22)	Proc of Consumables & Chemicals	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 **23 August, 2022**. 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 Spares / Components / Consumables & Chemicals against the under mentioned tenders through contract on "FOR" Kamra basis in Local Currency.

S NO	TENDER NO	DESCRIPTION OF STORES	LINE ITEMS	REMARKS
(a)	APF/1920/181/LOG (PC-157/22)	Proc of Components / Consumables	45	• List of required stores against each tender is enclosed. • Separate quotations against each tender are Compulsory .
(b)	APF/1920/190/LOG (PC-158/22)	Proc of Spares	18	
(c)	APF/1920/190/LOG (PC-159/22)	Proc of Consumables & Chemicals	25	

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 G104191221000, CMA (ISOs) Rawalpindi" on behalf of Managing Director APF PAC Kamra.

(ii) Earnest money of @ Rs 50,000.00 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 **23 August, 2022 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 **23 August, 2022 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, 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 date of acceptance / commission will be replaced by the supplier free of cost.

10. **Release of Payment**

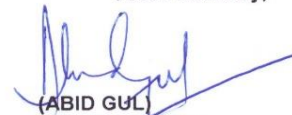
Payment will be released by CMA (ISOs) Rawalpindi on submission of proper bill / sales tax invoice, copies of GST registration / professional tax certificates, sales tax return and **10% performance bank guarantee** (valid for 12 months).

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
Managing Director
For 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/221810012/LOG DATED 30-06-2022					
S. NO	PART NO. (MASTER & I/L)	NOUN	TO REFERENCE	U/I	QTY REQ
1	PALC22V10-30DMB	PAL PROGRAMMABLE IC (METALLIC) 24 PINS	NTA 13/ROSE-E09	EA	25
2	PALC22V10-25WMB	I C PAL 24 PIN DIP	NTA 13/ROSE-E09	EA	15
3	PALC16R4-30DMB	IC (UV-ERASABLE PLD)	NTA 13/ROSE-E07	EA	15
4	CY7C245-35DMB	X 8 EPROM	NTA1/ROSEE-10	EA	14
5	PALC16R6-30DMB	IC PAL	NTA1/ROSEE-10	EA	4
6	CY7C245-20DMB	IC REPROGRAMMABLE 2048 X 8 REGISTER EEPROM,24-PIN DIP	NTA 13/ROSE-E10	EA	3
7	FR918-416 I/L FTN59	SWITCH ALCO	NTA 13/ROSE-E07	EA	3
8	X28HC256DMB-15 I/L X28HC256DMB-12 I/L X28HC256DMB15	I C EEPROM	NTA1/ROSEE-10	EA	2
9	PAL16L8A-2MJ/883B	FUSE PROGRAMMABLE PLD	NTA 13/ROSE-E09	EA	10
10	DG189AP/883 I/L HI1-5043-5	I C (SPDT ANALOGUE SWITCH)	NTA 13/ROSE-E09	EA	8
11	FDC6506P	DUAL MOSFET	NTA 13/ROSE-E10	EA	32
12	SN54LS245J I/L SNJ54LS245J I/L SN54LS245 I/L 54LS245	TRANSCEIVER IC (DIP 20PIN)	NTA 13/ROSE-E07	EA	12
13	PAL16R8-20MJB I/L PAL16R8-20MJE	I C FUSE PROGRAMMABLE PLD 20 PINS DIP	NTA1/ROSEE-10	EA	9
14	JANTX2N2222A I/L JAN2N2222A I/L 2N2222A I/L 2N2222	TRANSISTOR NPN	NTA 13/ROSE-E10	EA	33
15	191-3503 I/L FR548-108	CAPACITOR 10 uF THT 100VDC	NTA1/ROSEE-10	EA	30
16	SG1525AJ/883 I/L 1525 I/L SG1525AJ	I C (VOLTAGE MODE CONTROLLER)	NTA 13/ROSE-E07	EA	12
17	SMF200-C(28) I/L SMF200-C	EMI FILTER (MARTEK POWER)	NTA14/ROSE-E-10	EA	3
18	SMJ320C25FDM	DIGITAL SIGNAL PROCESSOR	NTA13/ROSE-10	EA	3
19	MR82C54/B	8 BIT PROGRAMABLE INTERVEL TIMER	SK8000053217-01	EA	4
20	FXSC3BJ6	BRIDGE RECTIFIER 600 VOLT 2 AMP	NTA 13/ROSE-E07	EA	3
21	54LS373J I/L SN54LS373J I/L SNJ54LS373J	Octal Latch Nand Gate IC (DIL 20PIN) THT	NTA13/ROSE-E07	EA	10
22	SN54LS244J I/L SNJ54LS244J I/L 54LS244	BUFFER IC (DIP 20PIN)	NTA 13/ROSE-E07	EA	10
23	AD544LH	IC 8 PINS HEMATIC METAL CAN	NTA13/ROSE-10	EA	3

24	OP400AY	IC QUAD LOW-OFFSET LOW POWER OPERATIONAL AMPLIFIER	NTA13/ROSE-10	EA	5
25	2N3441	NPN SILICON POWER TRANSISTOR	NTA13/ROSEE-10	EA	5
26	JANTX2N2946A	PNP SILICON SMALL SIGNAL TRANSISTOR	NTA13/ROSEE-10	EA	6
27	LTST-C230KSKT	STANDARD LED-SMD YELLOW CLEAR 587MM	AK-ITM-DOC-MS-01 (Vol 31) S/N 44, P-91	EA	3
28	PIC18F2550-I/SO-ND	IC MICRO CONTROLLER (SMD)	IPB AK-ITM-DOC-MS-01 (Vol-31) SN17,P-89	EA	3
29	HPA200H	HIGH PERFORMANCE COATING (200ML AEROSOL)	SW-010-001/E	BT	35
30	141B	FORANE 141B PACKAGE 33 KG EA	SW-010-001/E	CAN	3
31	PC26	LIQUID FLUX (5 LTR CAN)	SW-010-001/E	CAN	2
32	IRFY120	N-CHANNAL MOSFET METAL PAKAGE (TO-220)	NTA13/ROSE-E07	EA	5
33	LAA127P	DUAL POLE Opto MOS Relay	NTA14/ROSE-E-10	EA	8
34	HDSP-2133	LED DISPLAY AND ACESSORIES GREEN 574NM 5x7 SMART DISPLAY	AK-MM-PD TDR-0613-02	EA	3
35	STM32F407ZGT6	IC MCU 32BIT 1MB FLASH 144LQFP	AK-MM-PD TDR-0613-02	EA	4
36	TXB0108PWR	IC 8-BIT TRANSTR 15KV ESD 20TSSOP	AK-MM-PD TDR-0613-02	EA	6
37	IPT0020A33R	SENS PRESSURE MODULE 20PSIA ABS	AK-MM-PD-TDR-0613-02	EA	1
38	IPT0050A33R	SENS PRESSURE MODULE 50PSIA ABS	AK-MM-PD-TDR-0613-02	EA	1
39	GSIB1560-E3/45	DIODE 15VOLT 600AMP GSIB-5S	AK-MM-PD-TDR-0613-02	EA	3
40	PE-53910NL	FIXED INDUCTOR SMT COMMON MODE IND	AK-MM-PD-TDR-0613-02	EA	3
41	AO3400A	MOSFET N-CH 30V 5.7A SOT23	AK-MM-PD TDR-0613-02	EA	5
42	AD5504BRUZ	IC DAC 12BIT SPI 16 TSSOP	AK-MM-PD TDR-0613-02	EA	3
43	MPDCD3-B	RELAY SSR 3A SIP 60V	AK-MM-PD TDR-0613-02	EA	3
44	V150B28H250BL	CONVERTER MOD DC/DC 28V 250W	AK-MM-PD TDR-0613-02	EA	3
45	AQV252GAX	Solid State Relay (SMD), 6 Pin	IPB AK-ITM-DOC-MS-01 (Vol-31) SN19,P-89	EA	6

LIST OF REQUIRED SPARES					
TENDER NO. APF/221820014/LOG DATED 01-07-2022					
S/NO	PART NO. (MASTER & I/L)	NOUN	TO REF	U/I	Qty Req
1	SNJ54ABT16244 I/L 535164A1 I/L 5962-9317401MXA	I C (BUS DRIVER)	TM-002558	EA	11
2	537903A1 I/L 537903 I/L 85MCX-50-0-10/111	COAXIAL CONNECTOR FEMALE	TM 2117 T0013393002	EA	6
3	537573A1 I/L TMS-SCE3/16-2-0-9	THERMOFIT MARKER	TM. 2108	EA	39
4	400991 I/L 20N60C I/L FB20N50K I/L IRFB20N50K	N-Channel MOSFET 500V 0.21 OHM 20A TO-220	TM. 002557	EA	34
5	SML1002RCN I/L APT1002RCN	N- CHANNEL E-MOSFET-I (D)=5.5A, 150WATT	TM. 2108	EA	16
6	V058-A1CA1C0200-0	BNC-BNC CABLE	TM2116	EA	3
7	0002-04-035	PLENIUM CARTRIDGE FILTER (PART OF CONCOAT SB2900 MK2)	ME-1030	EA	2
8	10445111	EYEPIECE 10x21b ADJUSTABLE	ME-1026	EA	4
9	530986A1 I/L M1-J62-MY	POWER SUPPLY MODULE O/P 15VDC, 50 WATT	TM. 2108	EA	6
10	R125705	ADAPTER (F) SMA/SMA (F)	TL56727	EA	5
11	DY1003-XX-S	STATIC DISSIPATIVE RUBBER MAT (1000X1000MM)	SW-010-001/E	MR	30
12	236-21-100DS-23	ULTRA THIN CARD EDGE CONNECTOR 100 PIN	TM.2112	EA	2
13	FEC354-7851	CONDUCTIVE BRUSH 50MM WIDTH	FARNELL IN ONE P=1/456	EA	11
14	PFP01P01025.0	RF CABLE N-N SHORT	TM 2116 VOL III	EA	4
15	16089B	KELVIN CLIP LEADS 5HZ TO 100KHZ	TM-695600	EA	1
16	90HBW08S I/L 534406A1	DIP SWITCH 8PIN SMD	TM.2109	EA	3
17	535236A1 I/L DA0645	VARIABLE ATTENUATOR	TL. 308309	EA	4
18	AM29C983JC	I C (4 LINE DATA EXCHANGE)	TM.2109	EA	2

SPECIAL NOTE FOR ITEM AT LIST S NO 9.

- > Item should be original product of VICOR Power or equivalent, USA.
- > Country of origin should be USA.
- > CoC and serialized tracking from OEM would be required.
- > Item should be brand new and current year's production

LIST OF REQUIRED ITEMS					
TENDER NO. APF/221790006/LOG DATED 27-06-2022					
S/N O	PART NO. (MASTER & I/L)	NOUN	TO REF	U/I	Qty Req
1	141B	FORANE 141B PACKAGE 33 KG EA	IP0070	CAN	14
2	6381-35 I/L 745518	RMA SUSTAINED ACTIVITY LIQUID FLUX (Can 5 Lit Ea)	IPC-R-700	CAN	1
3	SP26HG08	GREASE TUBLERSYNTH BEM 34- 32 400GM	0000074/10 FOX4 PICK & PLASE MANUAL	TB	1
4	207029	LUBRICANT SHELL ALVANIA 2	D0069A-18F0025	TB	1
5	799610 I/L 1B31 I/L 1B31MIL-1-46058 I/L 799610A1	CONFORMAL COATING UN 1263 (Humiseal®, Can 5 Lit Ea)	SB2900 MK2 SPRAY COATING SYSTEM S.NO 90640298	CAN	4
6	538876 I/L I/L 2950100495X I/L 745795	LOCTITE 495 (20GM)	IR 690626/E	EA	19
7	RTV141A/B I/L 538277 I/L 538277A1 I/L RTV-141A+B	RTV 141 (A+B) POTTING (CAN A=1000GM, B=100GM)	IA308326-002/E P- 14	KT	16
8	745756 I/L 745756A1	RTV 11 SILICON RUBBER (454Grams + 2.8 Grams DBT CURRING AGENT)	P04-8183/E	KT	5
9	745800 I/L 538849	UHU ADHESSIVE (Tube 2x15ml Ea)	IR 690626/E	TU	15
10	539355 I/L 539355A1 I/L 101-693	SILICON DIELECTRIC GEL 527 2KG KIT (A=1KG B=1KG)	56621-1	KT	1
11	5305PK0000199	SCREW W/GUIDE ASSY TCTD INOXM3.5X12	TM 2115 P=3-5- 123	EA	592
12	5305PK0002859	SCREW WEDGE LOCK	RS CATALOG	EA	60
13	776225	VITE (SCREW M4X14)	IA308225 ADD	EA	408
14	539188A1	SCREW (CAPTIVE) L=20mm, HEAD DIA 6.72mm	CIDL (GRIFO)	EA	64
15	537854	CUT WASHER TX (M2.5mm)	IA308225	EA	1000
16	LR-21 I/L LR21	SOLDERING IRON 24VDC 50W	WELLER CAT	EA	5
17	MLR21	SOLDERING IRON 24VDC 25 W	WELLER CAT	EA	7
18	CP-3015F I/L 475-4293	DESOLDERING WICK (1BOX contains 20 PCS)	GOOT CAT SW- 010 -001/E	BX	8
19	307328	SPIRAL WRAPING NYLON 11,6.4 (1 Reel=5m)	GRIFO-7 GBD	MR	26
20	KDS5200LL	BOTTLE FOR FLUX (20Z) (FLUX DESPENSER TYPE FD22D) (1 PK=10 EA)	COOPER HAND TOOL CAT EPL 2003 P=43	PK	2
21	0054100899	ET-M SOLDERING TIP 3.2MM	COOPER TOOLS PAGE-9	EA	10
22	54101299 I/L ET-BB54101299	SOLDERING IRON TIP 50 WATT(Weller®) 1.2MM	WELLER CAT	EA	10

23	54410699	SOLDERING IRON TIP 30 WATT (Weller®) 1.6MM	WELLER CAT	EA	10
24	4ETS	TIP ETS TINNED 0.4mm	WELLER	EA	10
25	54101599	SOLDERING IRON TIP 50 WATT(Weller®) 1.6MM	WELLER CAT LR 21	EA	10

SPECIAL NOTE:-

- > Certificate of conformity by OEM for items at indent S No. 1-10 should be provided by vendor.
- > Latest technical datasheets of items (wherever applicable) should be provided by vendor.
- > Kits type chemicals must be of same batch and date of manufacturing.
- > Shelf life of chemical should be more than 80%