

**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 against the under mentioned tenders on "FOR" Kamra basis in local currency.

S NO	TENDER NO	DESCRIPTION OF STORES	LINE ITEMS
(a)	APF/1920/182/LOG(PC-266/25)	Proc of Hydraulic Oil	01
(b)	APF/1920/183/LOG(PC-268/25)	Proc of Electrical Spares	23
(c)	APF/1920/183/LOG(PC-269/25)	Proc of Mechanical Spares	42
(d)	APF/1920/183/LOG(PC-270/25)	Proc of Water Cooling System	01
(e)	APF/1920/183/LOG(PC-271/25)	Proc of Environmental Control System	01
(f)	APF/1920/183/LOG(PC-272/25)	Proc of Cooling System	01
(g)	APF/1920/41/LOG(PC-261/25)	Proc of CNC Wood Router Machine	01
(h)	APF/1920/41/LOG(PC-262/25)	Proc of Engraving Machine	01
(j)	APF/1920/42/LOG/PC-30	Proc of Hydraulic Oil	01
(k)	APF/1920/42/LOG/PC-35	Proc of Hydraulic Oil	01

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 December, 2025**. Invoice for payment of PPRA fee may be submitted to the undersigned accordingly.

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



(TARIQ MEHMOOD)
Squadron Leader
Dir Log (S&A)
APF PAC Kamra
Tel Ext 051-9099-6289

Encl : (As stated)

TERMS AND CONDITION OF THE TENDERS

1. Avionics Production Factory PAC Kamra intends to procure 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/1920/182/LOG(PC-266/25)	Proc of Hydraulic Oil	01	
(b)	APF/1920/183/LOG(PC-268/25)	Proc of Electrical Spares	23	
(c)	APF/1920/183/LOG(PC-269/25)	Proc of Mechanical Spares	42	
(d)	APF/1920/183/LOG(PC-270/25)	Proc of Water Cooling System	01	
(e)	APF/1920/183/LOG(PC-271/25)	Proc of Environmental Control System	01	
(f)	APF/1920/183/LOG(PC-272/25)	Proc of Cooling System	01	
(g)	APF/1920/41/LOG(PC-261/25)	Proc of CNC Wood Router Machine	01	
(h)	APF/1920/41/LOG(PC-262/25)	Proc of Engraving Machine	01	
(i)	APF/1920/42/LOG/PC-30	Proc of Hydraulic Oil	01	
(k)	APF/1920/42/LOG/PC-35	Proc of Hydraulic Oil	01	<ul style="list-style-type: none"> • List of required stores against each tender is enclosed. • 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 in shape of Bank Draft / Pay order in the favor of CMA (ISOs) Rawalpindi (Compulsory for all bidders). Case wise detail as under:-**

S NO	TENDER NO	DESCRIPTION OF STORES	Earnest money
(a)	APF/1920/182/LOG(PC-266/25)		
(b)	APF/1920/42/LOG/PC-30	Proc of Hydraulic Oil	@200,000.00
(c)	APF/1920/42/LOG/PC-35		
(d)	APF/1920/183/LOG(PC-268/25)	Proc of Electrical Spares	@300,000.00
(e)	APF/1920/183/LOG(PC-269/25)	Proc of Mechanical Spares	@300,000.00
(f)	APF/1920/183/LOG(PC-270/25)	Proc of Water Cooling System	@300,000.00
(g)	APF/1920/183/LOG(PC-271/25)	Proc of Environmental Control System	@300,000.00
(h)	APF/1920/183/LOG(PC-272/25)	Proc of Cooling System	@300,000.00
(j)	APF/1920/41/LOG(PC-261/25)	Proc of CNC Wood Router Machine	@300,000.00
(k)	APF/1920/41/LOG/PC-262/25	Proc of Engraving Machine	@200,000.00

(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 December, 2025 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 December, 2025 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.

(g) Provision of professional tax certificate of Punjab Govt is mandatory of all bidders.

Yours faithfully,



(TARIQ MEHMOOD)

Squadron Leader

For Managing Director

APF PAC Kamra

Tel Ext: 051-9099-6289

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 HYDRAULIC OIL

TENDER NO. APF/1920/182/LOG(PC-266/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	9150002526383	Hydraulic Oil (OM-15)	Ltr	510

TECHNICAL SPECIFICATIONS OF HYDRAULIC OIL (OM-15)

Description	The working fluid of hydraulic system in MIL-H-5606(OM-15).
Temperature	The working temperature of fluid is -55°C to +125°C.
Testing :	
a) Solid contamination:	
Standard	FCQ63S14-2001
Judgement Standard	GJB-420A-96
NAS Value for Aircraft	< 7 (Should be less than class 7)
NAVS Value for HTS / Cleaning trolley / other Supporting Equipment	< 6 (Should be less than class 6)
b) Water Contamination:	
Standard	FCQ63G98-2001
NAS Value for Aircraft	< 150 ppm
NAVS Value for HTS / Cleaning trolley / other Supporting Equipment	< 100 ppm

LIST OF REQUIRED ELECTRICAL SPARES

TENDER NO. APF/1920/183/LOG(PC-268/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	4120PK0003439	COMPRESSOR 4.5 TON 50HZ 3 PHASE (BAKHTAWAR AC)	EA	5
2	4120PK0003443	CIRCUIT BREAKER 3 POLE 32Amp (BAKHTAWAR AC)	EA	30
3	109-205-101	CIRCUIT BREAKER 6AMP	EA	10
4	4120PK0003460	EMERGENCY SWITCH 220VAC,10Amp (BAKHTAWAR AC)	EA	10
5	4120PK0003441	HIGH PRESSURE CONTROL SWTICH (BAKHTAWAR AC)	EA	10
6	4120PK0003449	LIGHT INDICATOR GREEN (BAKHTAWAR AC)	EA	30
7	4120PK0003440	LOW PRESSURE CONTROL SWTICH (BAKHTAWAR AC)	EA	10
8	4120PK0003444	MAGNETIC CONTACTOR 220VAC,25Amp (BAKHTAWAR AC)	EA	30
9	4120PK0003446	OFF PUSH BUTTON RED (BAKHTAWAR AC)	EA	10
10	4120PK0003447	ON PUSH BUTTON GREEN (BAKHTAWAR AC)	EA	10
11	4120PK0003445	OVER LOAD RELAY 380VAC,25Amp (BAKHTAWAR AC)	EA	30
12	3935PK0003501	POWER CONNECTOR 5 PIN 32 AMP MALE SOCKET / F-MALE PLUG	EA	10
13	4120PK0003452	RELAY 220VAC,08 PIN WITH BASE (BAKHTAWAR AC)	EA	10
14	5930PK0001394	SELECTOR SWITCH ON/OFF (BAKHTAWR AC)	EA	10
15	4120PK0003442	TEMPRATURE SENSOR / THERMOSTATE (BAKHTAWAR AC)	EA	10
16	4120PK0003451	TIMER RELAY WITH BASE 220VAC,10Amp (BAKHTAWAR AC)	EA	10
17	16145196231	WIRE 4 COLOUR (RED, GREEN, BLACK, WHITE)	FT	400
18	3RB1041-4FA10	CIRCUIT BREAKER 32-TO-52 AMP	EA	10
19	4120PK0003448	LIGHT INDICATOR RED (BAKHTAWAR AC)	EA	20
20	4120PK0003450	LIGHT INDICATOR YELLOW (BAKHTAWAR AC)	EA	10
21	4120PK0003519	CONDENSOR FAN MOTOR 3PHASE (BAKHTAWAR AC)	EA	5
22	CRNQ-0500	COMPRESSOR (3.5 TON 400V 3 PHASE 50 HZ)	EA	5
23	6105PK0001287	BLLOWER MOTOR 380VOLT AC	EA	4

LIST OF REQUIRED MECHANICAL SPARES

TENDER NO. APF/1920/183/LOG(PC-269/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	6625PK0000972	CONDENSOR SYS	EA	6
2	6625PK0000973	EVPORATOR COIL 25 SWG (BAKHTAWAR AC)	EA	5
3	8105PK0001285	CIELING SHEET SIZE-6X4X1/2 INCH	SH	20
4	4490/A	DRIER FILTER SET	EA	10
5	4120PK0003476	ARM HAND HOOK PLASTIC (BAKHTAWAR AC)	EA	40
6	4120PK0003464	VALVE ON /OFF (BAKHTAWAR AC)	EA	20
7	4120PK0000502	EXPANSION VALVE	EA	10
8	4120PK0003508	TERMINAL STRIP 600V-20AMP 12SWG (BAKHTAWAR AC)	EA	10
9	4120PK0003509	BEARING BLOCK UCP 205-100 (D=25. H=36.5 A=140, M10) BAKHTAWAR AC)	EA	20
10	4120PK0003510	FAN BELT NO 60 (BAKHTAWAR AC)	EA	20
11	30B/403	COPPER PIPE 1/2" (25 SWG)	FT	100
12	30B/1408	COPPER PIPE 1/4" (25 SWG)	FT	100
13	33B/888	COPPER PIPE 3/4"	FT	100
14	30B/888	COPPER PIPE 3/8"	FT	100
15	1584031004F	COPPER PIPE 5/8"	FT	100
16	W2330 I/L 4730002037093	ELBOW 90 3/4" (COPPER PIPE 22SWG)	EA	50
17	W2022	ELBOW 90 DEGREE SHORT RADIUS 5/8" (COPPER PIPE 22SWG)	EA	50
18	4120PK0003520	CAPILARRY PIPE (COPPER)	FT	200
19	4130PK0001288	AERO FLEX PIPE (AC COPPER PIPE)	MR	20
20	5330PK0001400	TAPE WRAPING PLASTIC L=30 Ft, W=2 Inch (FOR SPLIT UNIT)	RL	20
21	6830PK0001763	F-22 GAS USA (HONEY WELL GENETRON)	KG	68
22	06-31410-5000	BALL BEARING 6204	EA	20
23	4120PK0003463	UCP207-20 BEARING (BAKHTAWAR AC)	EA	20
24	4120PK0003518	CONDENSOR MOTOR FAN BLADE (BAKHTAWAR AC)	EA	3
25	10AS/NIV-L-32	CASTER WHEEL 6 INCH WITH YOCK	EA	40
26	4120PK0003466	13 NO NUT, BOLT&WAHER 7.68X23.72MM SS (BAKHTAWAR AC)	EA	500
27	4120PK0003467	13 NO NUT, BOLT&WAHER 7.68X29.18MM SS (BAKHTAWAR AC)	EA	300
28	4120PK0003468	10 NO NUT, BOLT&WAHER 5.76X15.34MM SS (BAKHTAWAR AC)	EA	500
29	4120PK0003469	10 NO NUT, BOLT&WAHER 5.76X23.96MM SS (BAKHTAWAR AC)	EA	300
30	4120PK0003470	14 NO NUT, BOLT&WAHER 9.15X23.10MM SS (BAKHTAWAR AC)	EA	200
31	4120PK0003471	14 NO NUT, BOLT&WAHER 9.15X31.56MM SS (BAKHTAWAR AC)	EA	200
32	4120PK0003472	20 NO NUT, BOLT&WAHER 12.45X47.63MM SS (BAKHTAWAR AC)	EA	60
33	4120PK0003473	08 NO NUT, BOLT&WAHER 4.68X31.45MM SS (BAKHTAWAR AC)	EA	300
34	4120PK0003474	12 NO NUT, BOLT&WAHER 7.68X31.62MM SS (BAKHTAWAR AC)	EA	300
35	4120PK0003511	HEXAGON HEAD SCREW (L=23MM, D=5MM SS) AKHTAWAR AC	EA	300
36	4120PK0003512	HEXAGON HEAD NUT BOLT WITH SPRING & PLANE WASHER (NO 10, L=20MM D=6MM SS (BAKHTAWAR AC)	EA	600
37	4120PK0003513	HEXAGON HEAD NUT BOLT WITH SPRING & PLANE WASHER (NO 10, L=40MM D=6MM SS (BAKHTAWAR AC)	EA	100
38	4120PK0003514	HEXAGON HEAD NUT BOLT WITH SPRING & PLANE WASHER (NO 13, L=45MM D=8MM SS (BAKHTAWAR AC)	EA	200
39	4120PK0003515	HEXAGON HEAD NUT BOLT WITH SPRING & PLANE WASHER (NO 13, L=30MM D=8MM SS (BAKHTAWAR AC)	EA	200
40	4120PK0003516	HEXAGON HEAD NUT BOLT WITH SPRING & PLANE WASHER (NO 15, L=45MM D=10MM SS (BAKHTAWAR AC)	EA	100
41	4120PK0003517	HEXAGON HEAD NUT BOLT WITH SPRING & PLANE WASHER (NO 15, L=58MM D=10MM SS (BAKHTAWAR AC)	EA	100
42	4041PK0003522	EVAPORATOR FAN BLOWER (AROOJ A/C)	EA	3

LIST OF REQUIRED WATER COOLING SYSTEM

TENDER NO. APF/1920/183/LOG(PC-270/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	121B433G01	HEAT EXCHANGER	EA	02

TECHNICAL SPECIFICATION WATER COOLING SYSTEM

Body: -

Body made with steel sheet 14/16 SWG with cutting bending, welding, and nut bolt base with MS angle 2"x2"x1/4", fitting with best quality moving wheels.

Copper Coil: -

Air cooled water coil best quality 24 SWG $\frac{1}{2}$ " Dia copper pipe Aluminum fins U-shape approximately size LxWxH 109x35x2.16 (inches) 2 row brazing solder 5%, 12 Fins per inch

Pump: -

Multi stage pump complete stainless steel 304 body motor 7.5KW (10HP), 2900RPM 3Ph, discharge pressure 186m, discharge rate 8m³/ h . (Imported).

Fan Motor: -

2 No's 20" Dia 1300 RPM, Propeller type high static imported

Stainless Steel Tank: -

Stainless steel Tank 304 type 14 SWG, round shape with argon welding, stainless steel sockets for supply return and makeup connection as well as temperature and pressure gauges with globe valve and strainer

Control Panel: -

Main breaker, starter for pump, magnetic contactor & overload for fan motor, ampere and volt meter, indication light.

PLC: - programmable logic controller display with ON/OFF function and running status.

Jumbo Filter: -

Water filer jumbo size (imported)

LIST OF REQUIRED ENVIRONMENTAL CONTROL SYSTEM

TENDER NO. APF/1920/183/LOG(PC-271/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	5844NL-AEC-ACU-300PK	AIR COOLED CONDITIONER	EA	04

TECHNICAL SPECIFICATION OF ENVIRONMENTAL CONTROL SYSTEM

Body: -

Body made steel 16/18 SWG including welding, nut bolts and powder coating paint 04-Nos wheel and manual lifting handles 04-Nos.

Condensing Unit: -

Condensing unit complete with compressor 3.5-Ton, copper condenser fan motor, liquid receiver, filter dryer, shut off valves, sight glass (moisture indicator) low and high pressure cut out safety including industrial grade copper piping and refrigerant.

Evaporator: -

Evaporator complete with thermostat expansion valve blower and blower motor with matching pulley and belt

Electric Control Panel: -

Electric control panel components including main CB magnetic contactor and overload for compressor, magnetic contactor and overload for condenser fan motor, magnetic contactor and overload for blower motor, timer relay, purchase sequence / phase failure relay, voltage up/ down relay, indication light and three phase male adaptor with complete in conduit.

LIST OF REQUIRED COOLING SYSTEM

TENDER NO. APF/1920/183/LOG(PC-272/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	4120007020711	AIR CONDITIONER	EA	03

TECHNICAL SPECIFICATION OF COOLING SYSTEM

Body: -

Body made steel 16/18 SWG including welding, nut bolts and powder coating paint 04-Nos wheel and manual lifting handles 04-Nos.

Condensing Unit: -

Condensing unit complete with compressor 4.5-Ton, copper condenser fan motor, liquid receiver, filter dryer, shut off valves, sight glass (moisture indicator) low and high pressure cut out safety including industrial grade copper piping and refrigerant.

Evaporator: -

Evaporator complete with thermostat expansion valve blower and blower motor with matching pulley and belt

Electric Control Panel: -

Electric control panel components including main CB magnetic contactor and overload for compressor, magnetic contactor and overload for condenser fan motor, magnetic contactor and overload for blower motor, timer relay, purchase sequence / phase failure relay, voltage up/ down relay, indication light and three phase male adaptor with complete in conduit.

LIST OF REQUIRED CNC WOOD ROUTER MACHINE

TENDER NO. APF/1920/41/LOG(PC-261/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	9510PK0003559 OR Equivalent	CNC WOOD ROUTER MACHINE	EA	01

TECHNICAL SPECIFICATION OF CNC WOOD ROUTER MACHINE

Description	Specification
Working Area	1300 x 2500 x 200mm
Bed Size	1520 x 2430mm
Working Table	Vacuum absorb table with T-slot
Running Precision	<u>±0.2</u> mm
Spindle	3kw/4.5kw/5.5kw/6kw Air Cooling Spindle
Cooling system	Air Cooling / Water Cooling
Control System	NC Studio/DSP
Inverter	Fulling Inverter/ Delta Inverter
Transmission	XY-axis Rack gear, Z-axis Ball Screw
Guide Rail	Taiwan Square HIWIN Guide Rail
Ball Screw	Taiwan TBI ball screw
Drive System	Stepper or Serve Motor and Driver
Machine Body	Square Tube Welding Body
Limit Switch	Japan Omron
Electrical Components	France Schneider
Traveling Speed	30 meter per minute
Working Speed	20 meter per minute
Control Software	ARTCAM /TYPE3, AUTO CAD / CAM / ASPIRE
Command Code	G Code
Voltage	AC220v / 380v
Dust Collector	Single

TERMS & CONDITIONS

1. Supplier be made responsible for 02 year warranty & guarantee of the items and spares support for at least 10 year of equipment.
2. Price and part catalogue be provided free of cost.
3. Item should be current year production.
4. All technical publication, circuit drawing, wiring diagram (Hard & Soft copies) & parts breakdown wherever applicable will be provided free of cost.
5. Data sheet of quoted items wherever applicable will be provided with technical offer.
6. Imported machine will be preferred.
7. Firm will carry out training for 07 days and free of cost.
8. Supplier be made responsible for installation / commissioning of required machinery.

LIST OF REQUIRED ENGRAVING MACHINE

TENDER NO. APF/1920/41/LOG(PC-262/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	ITM33457 OR Equivalent	ENGRAVING MACHINE	EA	01

TECHNICAL SPECIFICATION OF ENGRAVING MACHINE

Description	Specification
Laser Type	JPT MOPA FIBER LASER
Machine Size	610 x 600 x 700 MM
Working Area	150MM x 150MM – 175MM x 175MM
Operations	(Engraving and Marking)
Focal System	Electric Lift
Laser Power	30-40 W
Wave Length	1064NM
Positioning Accuracy	$\pm 0.01\text{MM}$
Beam Quality	$\text{M}^2 \sim 1.6 - 1.8$
Power Consumption	500W (110V / 220V AC)
Supported File Format	AI, DXF, BMP, PLT, DST, DWG, LAS, JPG, PCX, DXP
Engraving Material	Wood, Aluminum, Brass, Copper and Stainless Steel
Marking Depth	0.08MM- 1.2MM
Software Compatibility	EZCAD 2, CorelDraw, AutoCAD
Interface	USB 3.0 connection to window system
Working Table	Manual adjustable worktable (optionally 2D/3D adjustable)
Accessories	Red-dot visual laser pointer for positioning, Optional Rotary Axis for cylindrical items and all standard accessories

TERMS & CONDITIONS

1. Supplier be made responsible for 02 year warranty & guarantee of the items and spares support for at least 10 year of equipment.
2. Price and part catalogue be provided free of cost.
3. Item should be current year production.
4. All technical publication, circuit drawing, wiring diagram (Hard & Soft copies) & parts breakdown wherever applicable will be provided free of cost.
5. Data sheet of quoted items wherever applicable will be provided with technical offer.
6. Imported machine will be preferred.
7. Firm will carry out training for 07 days and free of cost.
8. Supplier be made responsible for installation / commissioning of required machinery.

LIST OF REQUIRED HYDRAULIC OIL

TENDER NO. APF/1920/42/LOG(PC-30/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	9150002526383	Hydraulic Oil (OM-15)	Ltr	72

TECHNICAL SPECIFICATIONS OF HYDRAULIC OIL (OM-15)

Description	The working fluid of hydraulic system in MIL-H-5606(OM-15).
Temperature	The working temperature of fluid is -55°C to +125°C.
Testing :	
a) Solid contamination:	
Standard	FCQ63S14-2001
Judgement Standard	GJB-420A-96
NAS Value for Aircraft	< 7 (Should be less than class 7)
NAVS Value for HTS / Cleaning trolley / other Supporting Equipment	< 6 (Should be less than class 6)
b) Water Contamination:	
Standard	FCQ63G98-2001
NAS Value for Aircraft	< 150 ppm
NAVS Value for HTS / Cleaning trolley / other Supporting Equipment	< 100 ppm

LIST OF REQUIRED HYDRAULIC OIL

TENDER NO. APF/1920/42/LOG(PC-35/25)

S NO	PART NO	NOUN	U/I	QTY REQ
1	9150002526383	Hydraulic Oil (OM-15)	Ltr	100

TECHNICAL SPECIFICATIONS OF HYDRAULIC OIL (OM-15)

Description	
The working fluid of hydraulic system in MIL-H-5606(OM-15).	
Temperature	
The working temperature of fluid is -55°C to +125°C.	
Testing :	
a) Solid contamination:	
Standard	FCQ63S14-2001
Judgement Standard	GJB-420A-96
NAS Value for Aircraft	< 7 (Should be less than class 7)
NAVS Value for HTS / Cleaning trolley / other Supporting Equipment	< 6 (Should be less than class 6)
b) Water Contamination:	
Standard	FCQ63G98-2001
NAS Value for Aircraft	< 150 ppm
NAVS Value for HTS / Cleaning trolley / other Supporting Equipment	< 100 ppm