

**FAX MESSAGE**

FROM : APF PAC KAMRA  
FAX NO.051-9225514  
TO : PUBLIC PROCUREMENT  
REGULATORY AUTHORITY  
FAX NO. 051-9219149/9224823

REF : APF/1920/42/LOG/PC-115-116-117-118-119 DATED 09 MARCH, 2020

**UPLOADING OF TENDER ON PPRA WEB SITE**

KINDLY UPLOAD THE UNDERMENTIONED TENDER NOTICE ON PPRA WEBSITE  
AND FORWARD BILL ALONGWITH TS NO FOR OUR FURTHER NECESSARY ACTION.

**OPEN TENDER NOTICE**

1. TECHNICAL AND COMMERCIAL OFFERS FOR THE PROCUREMENT OF UNDERMENTIONED ITEMS MAY BE SUBMITTED SEPARATELY **(PART CASE WISE)** IN **SEALED ENVELOPES** TO THE FOLLOWING FACTORY ADDRESS.

**AVIONICS PRODUCTION FACTORY  
PAC BOARD KAMRA DISTT ATTOCK**

**NOTE:- SUBMIT SEPARATE QUOTATION FOR EACH PART CASE**

APF/1920/42/LOG/PC-115 TEL EXT: 6420 (DTE OF ARC)					
S. NO	PART NO	NOUN	U/I	QTY	SPECIFICATION
1	05871-00587	INTERNAL FLAGE INDICATOR (28VDC)	EA	02	28VDC INDICATER WITH MAGNETIC LATCHING FRONT PANEL MOUNTABLE, BLACK IND NO FAULT ,BLACK &WHITE IND FAULT
APF/1920/42/LOG/PC-116 TEL EXT: 6358 (DTE OF SRR)					
1	9999PK00 02241	DIGITAL CLOCK	EA	8	Digital Wall Clock Model No : LCW015NR19 Company of origin : Rhythm Functions : Time, Date, Humidity, Temperature
2	6115PK00 16763	POWER CABLE DIRECT CONNECTION WITH UPS	EA	48	L= 1.8 Mtr Male to Female Connector
3	6115PK00 16776	SERIAL CABLE (VGA 4FT)	EA	9	L=4 Ft Male to Female DB-9 Connector on both sides
4	6115PK00 16714	BNC (T) ADAPTER	EA	24	All Female ports
5	6115PK00 16758	DC POWER ADAPTER 5V 2AMP	EA	5	Input Voltage : 100-240VAC Current : 2Amp Frequency : 50/60 Hz Power : must be less than 74 W Output




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					Voltage : 5VDC Current : 2A Power : 10W
6	6115PK00 16735	M6 PANEL FIXING (1PK=50EA)	EA	5	Contents : M6 Steel screw, M6 wide carbon steel cage nut, Retaining cup washer
7	6115PK00 16708	POWER EXTENTION BOARD	EA	13	6 Port Power Extention Board separately switch for Ea port Model No : CMS-168 Company of origin : Camelion Voltage : 200V-240V Cable Length 4 Meter Fire Resistant material, Phosphor bronze terminal, Overload protection
8	6115PK00 16765	1U MANAGED CABLE MINDER	EA	5	28 Nylon locking cable clips Low profile 1U design 19" EIA 310-D compliant Company of origin : USA
9	6115PK00 16665	DC POWER ADAPTER 12V 2AMP	EA	5	Input Voltage : 100-240VAC Current : 1.2A Frequency : 50/60 Hz Output Voltage : 12VDC Current : 2A Power : 24W
10	6115PK00 16762	VGA CABLE (L=15 Mtr)	EA	16	L=15 Mtr 100% Copper
11	6115PK00 16666	LAN CABLE 15M	EA	10	Ethernet Cable with connectors L= 15Mtr Brand Name : 3M Type : Cat6 1Gbps >250MHz
<b>APF/1920/42/LOG/PC-117 TEL EXT: 6351 (DTE OF EF)</b>					
1	4710PK000 2318	MILD STEEL RECTANGULAR PIPE 1" X 1.50"	FT	280	Type: Mild steel Pipe Shape: Rectangular Size: 1"x1.5"(inch) Thickness: 16 SWG Pipe Length: 20 Feet
2	9515PK000 2381	MILD STEEL SHEET (8 X 4Ft) 16 SWG	SH	21	Type: Mild steel Sheet Size: 8x4 Feet Thickness: 16 SWG Condition: Polished
3	30A/2499	MILD STEEL SHEET 14 SWG	SH	21	Type: Mild steel Sheet Size: 8x4 Feet Thickness: 14 SWG Condition: Polished

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4	6115PK001 6812	COMMAND AND CONTROL CHAIR	EA	14	As per Sample. Sample is available at EF Material Store <b>Warranty: minimum 01 Year</b>
5	RAD- SHOCK- ABS	SHOCK ABSORBER	EA	42	As per Sample. Sample is available at EF Material Store <b>Warranty: minimum 01 Year</b>
<b>APF/1920/42/LOG/PC-118 TEL EXT: 6469 (DTE OF PMEL)</b>					
1	PE350-24	SMA Male to SMA Male Cable 24 INCH	EA	5	Frequency= DC TO 26.5 GHz VSWR= 1.45;1 RF Shielding=110db Capacitance=29.4pF/ft Cable type=PE-P141 Cable length=24 inch
2	53S151- K00N5	ADAPTOR (N 50 Ohm PLUG – BNC JACK	EA	3	Impedance=50Ω Frequency=DC to 10 GHz Return Loss=≥25 dB,DC to 1 GHz ≥20Db,1 to 4 GHz ≥18dB, 4 to 10 Ghz Insertion Loss=≤0.1dB Insulation Resistance=≥5x10 MΩ Center contact resistance=≤1mΩ,N side ≤1.5 mΩ,BNC side Outer contact resistance=≤0.25mΩ,N side=≤1 mΩ,BNC side Test voltage=1500 v rms Working voltage=400 v rms Power handling(at 20°c,sea level,VSWR 1.0)=≤80W @ 2 GHz.
3	PE302	N Male to N Male Cable	EA	2	Frequency=dc-26.5 GHz VSWR=Dc-10 GHz,1,15:1/10-18 GHz,1,20:1/18-26.5 GHz 1,35:1 Impedance=50 Ohm Max Oper volt=1000 v RMS Phase Stability=1500ppm RF Shielding= <-100db Power rating=286 watts Cable Length=36 Inch
<b>APF/1920/42/LOG/PC-119 TEL EXT: 6420 (AVCS GROUP)</b>					
<b>S. NO</b>	<b>PART NO</b>	<b>NOUN</b>	<b>U/I</b>	<b>QTY</b>	<b>SPECIFICATION</b>

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1	281-840	TOOL KIT COMPLETE	EA	01	<p><b>1. <u>Etching (Engraving) Tool:-</u></b></p>  <p>Multipurpose high-speed power tool with on/off and electronic variable speed controls. Steeples control between 10,000 and 32,000rpm. Spindle lock for fast tool changes. Supplied with a full range of tips, wheels, sanding discs/bands, dressing stone, chuck spanner and flexible rotary shaft. Suitable for carving, shaping, de-burring, drilling, engraving, cutting and tool sharpening.</p> <p>Model No                         E540  Collets:                               2.3, 3mm  Contents:                           Sanding Bands (x4), Sanding (x8), Polishing Wheels (x4), D  Flexible Rotary Shaft  Diamond Tipped Engravers:       2  Free Speed:                       10000-32000rpm  Motor Power:                      135W  Mounted Points:                 10  Net Weight:                        1.41Kg  Sanding Cylinder:               12.7 x 15mm</p> <p><b>2. <u>Drilling Tool:-</u></b></p>  <p>Featuring powerful hammer action, this 1/2-inch electric hammer drill drives and drills into brick and concrete with ease. Compact enough to fit in tight spaces.</p> <p><b>3. <u>Mini Drilling Tool:-</u></b></p>  <p>Rated Torque:                   35NM  Rated Voltage                 :     220V  Max. Drilling Diameter:      3.2MM  Brand Name                     :     matpewka</p>
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**Frequency** : 50-60HZ  
**is\_customized** : Yes  
**Application** :  
Carving/grinding/sharpening/cutting/cleaning  
**Power Source** : AC  
**Model Number** : 1688  
**No-Load Speed** : 35000rpm  
**Rated Input Power** : 180W  
**Weight** : 550G  
**Drill Type** : Mini Drill

#### 4. **Aviation Snip Cutter:-**

- (a) Center Cut
- (b) Bite Through Sheet Metal Quickly and Easily
- (c) Serrated cutters to Prevent Slipout
- (d) Sturdy Handles and Pivot Points
- (e) Max Cutting Thickness is 0.7mm



#### 5. **Pin Crimping Tool Set:-**

4/8 indent Crimp to Military standard  
Ratchet mechanism ensures complete crimp cycle  
8 Position Dial select Indent Depth control with different Turrets.

#### 6. **Splice Crimping Tool Set:-**



RD1Series Jaw & Supporting Tools For  
Hand Crimping Tool Replaceable Jaw For Dupont  
XH2.54 KF2510 SM 2.54mm JRD1's Length  
200mm



#### 7. **Bench Vice:-**

2-3/4-Inch Jaw width vise mounts to any smooth surface, (laminated, steel, granite). Vise swivels 360-Degree and can pivot 90-Degree. Ball

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and socket mechanism allows vise to be positioned in the most convenient position for working on small parts. Vise head can be easily rotated or pivoted to allow working on opposite sides of small part without removing the part from the vise jaws. Threaded collar locks ball and socket in place easily. Vacuum base securely attaches the vise to smooth work surfaces, laminate, steel, and granite are examples. Surface must be smooth, wood grain surface an -Inch pebbled -Inch surfaces are not suitable. Soft vise jaws are included for holding parts without marring. Vise jaws close in parallel on double guide bar design. Body parts are precision die cast. Vacuum base is operated with steel lever to actuate vacuum. Rubber vacuum base should be cleaned regularly to remove dust with a clean cloth and water. A small amount of water can be applied to the rubber vacuum surface for best vacuum holding force.

### 8. **Pin Insertion Tool Set:-**

Tooling for the crimping and insertion of Sure-Seal and Mini Sure-Seal contacts. The insertion tool is required to push the crimped contacts into the plugs and receptacles. The guide pin is only required for the Sure-Seal range, being used to aid the insertion of the male and female contacts. The crimp tool is compatible for both Sure-Seal and Mini Sure-Seal contacts. The item is required in all available sizes.

### 9. **Pin Extraction Tool Set:-**



Removal tool is used to remove pin or socket contacts of the series TT93 easily and without destruction. Insertion tool is used to push the contacts easily into the contact holes until they lock in place, this makes it easy particularly where

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fine cables are involved. The item is required in allavailable sizes.



### 10. **Heat Gun:-**

Easily unfreeze the cry tube, strip paint, bend pipes, light up charcoal, shrink PVC, remove rusted bolts, mold plastics as well as drying and thawing purpose. Additionally, built-in overload protection shuts the heating element down and prevents burn up.

#### **Specifications MJ-12**

Name	:	Industrial
Hot Air Gun	:	
Power	:	2000W
Switch control	:	3
positions	:	
Temperature adjustment	:	150 ~ 550
°C	:	
Power cord length	:	1.4 m
Product size	:	23 * 18 *
7.5cm	:	
Working voltage	:	220V /
50HZ-60HZ	:	

### 11. **Scissor (Large):-**



Size	:	13 x 5.5cm/5.12" x 2.17"
Color	:	Retro Copper, Silver

### 12. **Full Flash Cutter:-**



#### **Features:**

- (a) Titanium Bonded Blades are 3 Times Stronger than Stainless Steel
- (b) Cushioned Grips

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- (c) Superior Hardened Edges For Problem-Free Wire Cutting
- (d) Corrosion and Adhesive Resistant
- (e) Slices Through Even the Toughest Wire

### 13. Digital Vernier Caliper:-



- (a) High quality 6" digital caliper features selectable Inch/Metric measurements
- (b) Thumb wheel for accuracy and ease of use
- (c) 4 measurements, inside, outside, depth and step
- (d) Hardened stainless steel, precision ground and tapped measuring surfaces

### 14. Measuring Tape:-



The tape measure shown above is soft and rolls back up with a turn of a knob. It shows both inches and centimeters and has a nice 1 inch width with easy-to-read numbers. These tape measures can be used to measure all sorts of things in the classroom, as long as they are less than 5 feet long.

### 15. Fluke 375 FC True-RMS AC/DC Clamp Meter



- (a) High performance clamp meter that measures very low voltage and high resistance
- (b) Transmits measurements to your smartphone via Fluke Connect® so you can view them at a safer distance
- (c) Measures AC and DC current to 600 A, and AC and DC voltage to 1000 V
- (d) Measures AC current to 2500 A AC with optional flexible current probe



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### 16. Titanium Drill Bit Set



This 115 piece titanium coated drill bit set includes fractional, letter & number sized drill bits with a 135 degree split point design, made of long lasting nitride coated high speed steel. These bits are great for drilling steel or wood.

**Sizes include:** 1/16 to 1/2, A to Z letter bits, #1 to 60 number bits.

### 17. PROFESSIONAL PLIERS FOR PREFORMING AND CUTTING COMPONENTS






- (a) Dissipative handles
- (b) Specially designed to preforming and cutting components with rheophores up to 1mm diameter (AWG 18). Adjustable blade permits a range of preforming and cuts.
- (c) Material :burnished steel

### 18. Tool Box:-



- (a) Color black
- (b) Height (in) 39 in
- (c) Height (mm) 1000 mm
- (d) Overall length (in) 20 1/8 in
- (e) Overall length (mm) 512 mm
- (f) Width (in) 17 in
- (g) Width (mm) 435 mm

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2.	923940	TOOL KIT	KT	07	<p><b>1. <u>Knife Cutter:-</u></b></p>  <p>Easy, push-button blade change for convenience, Integrated blade storage optimized ergonomic grip.</p> <ul style="list-style-type: none"> <li>(a) <b>Blade length (in)</b> 1.14 in</li> <li>(b) <b>Blade storage</b> true</li> <li>(c) <b>Color</b> gray</li> <li>(d) <b>Handle length (in)</b> 6.57 in</li> <li>(e) <b>Number of blades</b> 5</li> <li>(f) <b>Overall length (in)</b> 7 in</li> <li>(g) <b>Style</b> retractable</li> </ul>  <p><b>2. <u>Diagonal Cutter Set:-</u></b></p> <ul style="list-style-type: none"> <li>(a) Consisting of 3 cutters (1803M-11, 1803M-22 &amp; 1803M-33)</li> <li>(b) Easy motion joint free of clearance</li> <li>(c) Lap joint</li> <li>(d) Induction-hardened cutting edges with grind</li> <li>(e) Cutting edge hardness: 62 HRC</li> <li>(f) Ergonomically shaped Hazet 2-component plastic handle covers (blue/black)</li> <li>(g) Surface: polished, blasted</li> <li>(h) DIN ISO 5749</li> <li>(j) Made in Germany</li> <li>(k) Dimensions / length: 160 mm</li> </ul> <p><b>3. <u>Nose Plier Set:-</u></b></p>  <ul style="list-style-type: none"> <li>(a) Consisting of 3 Pliers (Flat, Round, &amp; 45° Curved Heads.)</li> <li>(b) Induction-hardened cutting edges</li> <li>(c) Cutting edge hardness: 60 HRC</li> <li>(d) Ergonomically shaped Hazet 2-component plastic handle covers (blue/black)</li> <li>(e) Surface: polished, blasted</li> <li>(f) DIN ISO 5745</li> <li>(g) Made in Germany</li> <li>(h) Dimensions / length: 180 mm</li> </ul>
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### 4. Tweezers:-



A set of 5 anti-static stainless steel precision made tweezers that are ideal for handling electronic components. Epoxy coated and also anti magnetic and resistant to acids. 5 tweezers are included.

- (a) Includes 1 bent tip style 5" length approx.
- (b) Includes 1 round tipstyle 5" length approx.
- (c) Includes 2 straight fine tip tweezer 5" length approx.
- (d) Includes 1 straight fine tip tweezer 5.5" length approx.

### 5. Scissor (Medium):-



These Carbon Blade Scissors will cut almost anything. In the garden they will cut woody stems, thin branches, take cuttings, cut hosepipe, cut plastic plant labels, etc.

- (a) Carbon Blade Scissors
- (b) Cut almost anything in the garden
- (c) Cut woody stems
- (d) Cut thin branches
- (e) Take cuttings
- (f) Cut hosepipe
- (g) Cut plastic plant labels

### 6. Needle File Set:-



Set of 6 needle files from **Rolson**, suitable for intricate work in engineering or modeling

- (a) Hardened and tempered
- (b) Set contains flat parallel, flat tapered, three square, square and round files with rubber grips
- (c) Length : 140mm

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### 7. Screw Driver Set:-



(a) HAZET Safety-Insert-System (SIS)

Suitable for HAZET with drawer dimension of at least

398 x 694 mm: 179 XL · 179 N XL ·

179 XXL · 179 N XXL as well as

179 A XXL · 179 T XXL in the upper drawer

12 open-end wrenches 450 N-6 x 7 – 34 x 36 mm

19 combination wrench 600 N-6 – 32 mm

10 double box-end wrench 630 N-6 x 7 – 24 x 27 mm

12 ratcheting combination wrench.

1 adapter set 606/4 SPC, 4-pieces

(b) In 3/3+ 2-component soft foam insert

(c) Output: Slot profile, Cross recess profile PH, Inside TORX® profile, Inside hexagon profile

(d) Wrench size: 6 – 36

(e) Dimensions / length: 691 mm x 392 mm

(f) Order system size: 4/3+ (691 x 392 mm)

(g) Perfect order system - all tools are snugly embedded

(h) Fast, integrated completeness check – missing tools are noticed immediately

(j) Unlimited combination options

(k) Suitable for all HAZET tool trolleys with drawers

For tool trolleys i 173, 179 (XL-XXL) and 180, we recommend usage of the soft foam inserts 163-522x40 or 163-522x50

(m) Number of tools: 56

### 8. Spanner Set:-



Manufactured from chrome vanadium steel. Fully

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polished heads. Made to DIN standard. Supplied in storage/carry rack.

(a) Contents : Metric; 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19mm, Imperial; 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"

(b) Net Weight  
:  
1.97Kg



### 9. Cable Release tool:-

For damage-free releasing of plug contacts, e.g. flat and round plug contacts

- (a) Basic set for approx. 80% of all passenger car plug contacts
- (b) For professional working
- (c) High ease of use
- (d) Safe application
- (e) OEM quality "Made in Germany"
- (f) Malfunctions due to loose contacts can be remedied easily, quickly and professionally
- (g) Universal application in the field of car electricity
- (h) With sliding caps protecting the blades from damage and avoiding the risk of injury
- (i) Plastic box
- (j) Soft foam insert
- (k) Made in Germany
- (l) Net weight: 1.08 kg
- (m) Number of tools: 12

### 10. Wire Stripper:-



Heavy-duty wire stripper/crimper tool strips and most kinds of 10 to 24- gauges Cuts and strips solid or stranded wire, crimps insulated or non-insulated terminals and crimps ignition terminals.

cuts wire.

### 11. Tool Box:-

- (h) Color black
- (i) Height (in) 39 in



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					(j) Height (mm) 1000 mm (k) Overall length (in) 20 1/8 in (l) Overall length (mm) 512 mm (m) Width (in) 17 in (g) Width (mm) 435 mm
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### TERMS AND CONDITIONS:-

2. GENERAL TERMS AND CONDITIONS ARE MENTIONED IN TENDER FORM (APF/ LG-7). TENDER FORM AND COMPLETE DETAILS / SPECIFICATIONS OF ITEMS, IF REQUIRED CAN BE OBTAINED FROM CONTACT NO 051-9099-6358-6345-6420-6209-6469-6206 ON ANY WORKING DAY BEFORE OPENING OF TENDER.

3. THE FIRM MUST BE GST AND PROFESSIONAL TAX REGISTERED HAVING NTN.

**NOTE :-INTERESTED FIRMS ARE TO DEPOSIT BID SECURITY @ 5% OF QUOTE (NOT EXCEEDING 0.150 M) IN FAVOUR OF MD APF IN THE FORM OF CDR / PAY ORDER / DEMAND DRAFT ONLY WITH QUOTATION. WITHOUT BID SECURITY NO QUOTATION WILL BE CONSIDERED. CROSS CHEQUE WILL NOT BE ACCEPTED.**

4. TECHNICAL AND COMMERCIAL OFFERS OF ABOVE MENTIONED ITEMS MAY BE SUBMITTED IN SEALEDSEPARATE ENVELOPES IN **TENDER BOX NO. 02** PLACED AT MAIN GUARD ROOM APF.

5. LAST DATE FOR SUBMISSION OF TENDERS IS **26 MARCH, 2020** BEFORE **1100 HRS.**

6. THE TENDERS WILL BE OPENED ON THE SAME DAY AT **1130 HRS** IN THE OFFICE OF ASSTT DIR LOG (S&A), APF, PAC, KAMRA.

7. PAYMENT WILL BE SUBJECT TO THE ACCEPTANCE OF ITEMS BY THE USER AND QUALITY DIRECTORATE.

8. **FIRMS HAVING THE CAPABILITY TO PROVIDE ABOVE MENTIONED ITEMS AS PER GIVEN SPECIFICATIONS ALONG WITH SAMPLES ARE TO QUOTE.**

9. **OFFERS CONTAINING MULTIPLE RATES AGAINST SINGLE LINE ITEM ARE LIABLE TO BE REJECTED.**

10. INTERESTED FIRMS ARE TO PROVIDE SAMPLES / TECHNICAL DATA ALONG WITH TECHNICAL QUOTATIONS.

11. ONLY REGISTERED SUPPLIERS, WHO ARE ON ACTIVE TAXPAYERS LIST ARE TO PROVIDE DOCUMANTRY PROOF AND QUOTE ABOVE MENTIONED ITEMS.

12. THIS FACTORY RESERVES THE RIGHT TO REJECT ANY QUOTATION ON TECHNICAL GROUNDS.

13. QUOTATION MUST BE VALID FOR MINIMUM **90 DAYS.**

14. PERCENTAGE OF SALES TAX AS APPLICABLE MUST BE MENTIONED SEPARATELY.

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15. **GUARANTEE/ WARRANTY TERMS SHALL BE MENTIONED SEPERATELY.**
16. FIRMS OFFERING MINIMUM DELIVERY PERIOD SHOULD BE PREFERRED.
17. SPECIFICATIONS MUST CLEARLY BE MENTIONED IN TECHNICAL QUOTATION.

**-Sd-**  
**(HASNAIN ALI SHAH)**  
FLIGHT LIEUTENANT  
FOR MANAGING DIRECTOR  
APF PAC KAMRA  
TEL EXT: 051-9099-6299