

OPENING ON 08-01-2019
ARF/1169/T/PC-12/LOG Dated 24-12-2018.

Organization Name	Pakistan Aeronautical Complex
Address	Aircraft Rebuild Factory PAC, Kamra
City	Kamra
Tel No.	051-90992442
Terms & Conditions	<p>1. Quotations will be opened on 08 January, 2019 at 11:00 Hrs by the committee in the presence of the interested bidders, or their authorized representatives.</p> <p>2. Quotation must be typed. Hand written / Conditional quotation will not be accepted.</p> <p>3. Separate sealed technical quotes and Commercial quotes both must be deposited in 2 separate envelopes clearly marked with category. Rates should be quoted both in words and figures clearly at commercial quotes with unit price. There should be no mixing of rates and quotations (Technical quotations with Commercial quotations). More than one quotation in one envelop will be rejected.</p> <p>5. Income tax, sales tax and professional tax certificates duly attested by the concerned authority must be attached with quotations.</p> <p>6. All the rates must be valid till 30 June, 2019 otherwise quotation will not be entertained. Besides, offered rates in commercial quotes should be marked without GST. Taxes will be imposed as per Govt policies and directives issued from time to time.</p> <p>7. In case of chemicals COC (Certificate of Conformance), MSDS (Material Safety Data Sheet) and TDS (Technical Data Sheet) has to be provided along with commercial quote and material must bear a minimum of 02 Years life expiry period.</p> <p>8. The bidder must have a branch office with valid Telephone and fax facility.</p> <p>9. Sample where applicable has to be provided by the firm for technical vetting.</p> <p>10. Category wise list is available in the office of O i/c Local Purchase and can be collected during working days from 0900-1200 hours. Besides, any clarification (if required) pertaining to specifications / terms & Conditions can be sort at Tel 051-9099000 Ext 2442.</p> <p>11. The quantities as mentioned in the lists are tentative and may vary (increase or decrease) with respect to the requirement at the time of placement of Purchase Order.</p> <p>12. The procuring agency may reject all bids/proposals or bid/proposal pertaining to a specific supplier at any time prior to tender opening. The procuring agency upon request of supplier / Vendor / Contractor will communicate the reason for rejection of quotations.</p> <p>13. All payments against delivery of stores will be made through cheque only.</p> <p>14. Tenders are to be addressed to Director Logistics, Aircraft Rebuild Factory PAC Kamra. Tenders received through fax shall not be accepted.</p> <p>15. Firms not registered with PAC Board are required to deposit 5% earnest money along with the quotation.</p> <p>16. Delivery must be made within stipulated delivery period as per quotation after receipt of purchase order.</p> <p>17. Firm should be on ATL of FBR and will provide proof with quotation. Order should be placed and subsequently payment would be released to the firm which is on ATL of FBR</p>
Closing Time	10:30:00 AM
Opening Time	11:00:00 AM
Bid Validity	30/06/2019
Remarks	ARF PAC KAMRA

S NO	PT NO	NOUN	U/I	QTY
CATEGORY-01 AVDI (AVCS)				
01	9999-68-900-0390	SEM / CHEMICAL COMPOSITION Specification: These test are required for material identification characterization of under developing Aircraft componentBased on these analysis, material is identified and project is further moved ahead. Technical details of material testing are covered as MIL-HDBK-115C & ASTM standard.	EA	150
02	9999-68-900-0391	METALLOGRAPHY Specification: These test are required for material identification characterization of under developing Aircraft componentBased on these analysis, material is identified and project is further moved ahead. Technical details of material testing are covered as MIL-HDBK-115C & ASTM standard.	EA	150
03	9999-68-900-0392	HARDNESS TESTING Specification: These test are required for material identification characterization of under developing Aircraft componentBased on these analysis, material is identified and project is further moved ahead. Technical details of material testing are covered as MIL-HDBK-115C & ASTM standard.	EA	150
04	5M/S-AB	Air Bag Specifications: Support for 120 KG, 5-6 Kph Descent, 28VDC Fan 7-8 Second inflate time.	EA	5
CATEGORY-02 Hard Standings				
01	8120-68-900-0003	CYLINDER NITROGEN Specification: Capacity 16 Cubic Meter	Ea	11
02	8120-68-800-0015	CYL ARGON Specification: Capacity 6.8 Cubic Meter	Ea	20
CATEGORY-03 Computer Section - PPC				
1	7430-68-900-0228	PPC MACHINE NASHUATEC 3322S or Equivalent Specifications: Speed 32-35 CPM, Fully automatic & Manual feeding system, First output speed 6 seconds, Warm-up time 15 seconds, Memory Standard 1 GB, maximum 1.5 GB, Hard disc Option 40 GB, Input material Thick paper/ plain, Paper Size A5-A3,A6-A3,A4, Power source 220-240V, 50/60Hz, Zoom 25-400%. Paper input capacity 2x500 sheet per tray. Duplex unit Automatic front to back copying, Trolley standard.	EA	2
CATEGORY-04 Pylon Shop				
1	DATAMEN48UXP	UNIVERSAL PROGRAMMER Specifications: USB 2.0 port, FPGA based IEEE 1284slave printer port, UPTO 1 MB/s Transfer rate, On board intelligence: Powerful micro processor and FGPA based state machine, Frequency range 47 to 63 HZ, CE and LV certified, 48 Pin socket	EA	1
2	81-42416	Treston Work Bench Specifications: Worktop 800x1800 hex key load capacity 250 KG, Steel Frame parts are epoxy powder coated in light grey. Workstop height is adjustable by manual hexagonal key.. EST compliance.	EA	1
3	WL33470	SOLDERING/DE SOLDERING STATION (Weller or equivalent) Specifications: Temprature range for soldering tools 50C-450C, Temperature range for hot air tools, 50c-550c, Supply required 230V AC 50 Hz, Integral pump to provide vaccum for hot air pencil, ESD safe, Allied equipment with work station: WMD 3 control station 500-847, DSC 80 De-soldering pencil 412-2422, AK 20 Bench support 835-870, WSP 80 soldering iron 970-980, WPH bench support 971-980, HAP hot air pencil 501-372, KH 27 Bench support 855-250	EA	1

**Open
Tender**

CATEGORY-05 Paint Shop

1		<p>MULTI COLOR ALKYD ENAMEL C04-2 Specifications: Alkyd enamel paints in the following colors are required: 1. Yellow 2. Green 3. Royal Blue 4. Sky Blue 5. White 6. Black 7. Red 8. S/Gray Film Color and appearance Up to the master piece within the range of color differences, surface smooth and flat. Viscosity (Viscometers Tu-4) sec 60-90 Hiding Power Red g/m2 White g/m2 Yellow g/m2 Black g/m2 Blue g/m2 Grey, Green g/m2 =< 140 =< 110 =< 150 =< 40 =< 80 =< 55, Drying Time: Surface Dry (25`+or-1`c and 65+ or - 5% relative humidity) Hard dry (25`+or-1`c and 65+or - 5% relative humidity) Baking time (60-70`c) hr =< 5 =< 15 =< 3 (Film slight darkening allowed) Gloss (Photoelectric gloss meter) % => 90 Hardness =>0.25 Impact strength (kg/cm) 50 Flexibility (mm) =< 2 Adhesion (by scraping loop) grade =< 2 Water proofness (immerse in distilled water at 25+or-1 `c for 5 hours) Slight loss of gloss whitening ad small blisters allowed provided that they would disappear within 3 hours. Gasoline-resistance (immerse in gasoline, immerse in gasoline SYB 1002-60s at 25+or- 1 `c` for 5 hours) Free from blistering, wrinkling but loss of gloss allowed, provided that it would disappear within 1 hour.</p>	As Req	As Req
2		<p>NITRO-VARNISH Q98-1 Specification: It is a quick drying, strong water-resistant and very adhesive varnish to be used for gluing fabric cloth to aluminum rivets. Appearance and transparency Light yellow to dark brown transparent liquid free from visible mechanical impurities. Viscosity (Viscometers Tu-4) sec 60-80 Drying Time: (25`+or-1`c) 65+or-5% relative humidity) Time to dry hard (min) =< 60 Solid Content % =>20 Acid Value (Water extraction method) =< 1 Gluing strength (25`+or-1`c) Relative humidity below (65+or_5%) kg/m => 80</p>	As Req	As Req
3		<p>ACRYLIC ACID VARNISH B01-6 Specification: This varnish is resistant to weather, water, high temperature (below 180 C) and can be dried at normal temperature, but has poorer gasoline resistance. Appearance and transparency Light yellow to dark brown transparent liquid free from visible mechanical impurities. Slight opalescence allowed. Viscosity (Viscometers Tu-4) sec 15-25 Solid Content % => 10 Drying Time at (25`+or-1`c and 65+ or - 5% relative humidity) Surface Dry (Min) Hard dry (Min=< 20 =< 20 Acid Value (through water extraction mg =< 0.1 Hardness =< 0.6 Gasoline-resistance (immerse in aviation gasoline No 70 for 3 hr and visually examine after taking out for 10 minutes) Varnish film free from softening, sticking and swelling. Heat-resistance (stands at 180+or-2`c for 16 hours after hard drying) No remarked change in appearance of the film. Slight yellowing allowed flexibility =< 3mm Water-resistance (immerse in distilled water at 25+or-1`c for 24 hr) Varnish film free from blistering a7 flaking but whitening allowed. Resistance to ultra-violet light (for 50 hr) Varnish film free from breaking and obvious degeneration of gloss.</p>	As Req	As Req
4		<p>SILICON HEAT RESISTING PAINT W61-1 Specification: Silicon Heat Resisting Paint is required in the following colors: 1. Silver 2. Black Type Single Pack Viscosity @ 25` C 15 sec minimum Composition Inorganic silicon resin, heat resistant pigment, extenders, Blend Colors Aluminum and Black and Grey Drying Time (a) Surface Dry: 1-2 Hours (b) Recoat : 24 Hours preferred by spray Dry Film 20 microns per coat Coats Two Coats Finish and Gloss (a) Aluminum : Smooth, Lustrous (b) Black : Smooth, Eggshell/ Matt Packing 1 and 4 liters Storage 1 year when stored properly in original sealed container at 15 to 35` C</p>	As Req	As Req
5		<p>ZINC YELLOW EPOXY PRIMER H06-2 Two component zinc yellow epoxy primer as per MIL-P-23377F. COC to be furnished. THINNER (X-1, X-6) X-1 is to be used with multi-color alkyd enamel paints C04-2 and X-6 with Nitro Cellulose paints. X-1 may also be used as cleaner. Color Clear, Color Less Nature Solvent Density 0.88+ or -0.05 Volatile Matter 99% Minimum Flash point < 21`C Packing 1 & 4 Liters Storage 12 Months when stored at 15-30`c in original sealed container.</p>	As Req	As Req
6		<p>MATT ENAMEL (H04-80) Oil or Alkyd resin based matt finishing coat to give a hard wearing flat finish to steel. Type Single Pack Solid Content by volume (%) 55+or-2 Flash Point 32`C Specific Gravity 1.28-1.32 Colors As color card plus any special color on request.Pack Size 0.91, 3.64 & 20 Lit. Average Spreading Rate 120-140 Sft Per Lit Dry film thickness 30 Microns Drying time to touch 2-3 hours Drying Time to overcoat at 30`c Min 12 Hours Viscosity 250 sec Ford Cup B4 Finish & Gloss Smooth, Matt finish Heat Resistant 120`c</p>	As Req	As Req
7		<p>DECO PAINTS (H04-2) This standard specifies for application of H04-2 Top Coat. It is quick drying paint and use on steel pipes on aircraft.</p>	As Req	As Req

CATEGORY-06 PAC WPNS ENGG FLT

1	7B/PAF-23	SHORT GUN (SINGLE BARREL/PUMP ACTION) Specifications: 12 Bore pump actions shotgun, Chock type Fully chock, Length of barrel 30Inches including chamber, Round capacity 7+1 Round, Safety catch manual released. Shoulder butt installed with gun however pistol hand grip and carrying sling provided separately in packing. Packed in standard packing. Company should be ISO 9001:2015 certified. One year free of cost repairing and 10 year surface treatments (Plating) guranty. At least 10 year provisioning of spares / parts on demand. 01 technical manual with each. Visually out and inner surfaces should be smooth and fine. Each gun must qualify firing of 10 Rounds without obstruction at three firing position in Feeding, Extraction, Ejection and reloading of Cartridges into the chamber, Physical inspection will be conducted at OEM premises by QA inspector and function test will be conducted at firing range in presence of user and OEM representatives.	EA	13
2	1095/PK/0010755	PISTOL FLARE GUN	EA	5
3	7B/PAF-473	PENCIL SHOOTING	EA	2

CATEGORY-07 METROLOGICAL CENTRE

1	6635-68-900-0001	X-Ray Film D4PB (30x40cm)	Pkt	05
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CATEGORY-08 INSTRUMENT SHOP

1	M1-1231	DARK BROWN VARNISH	LTR	AS Req
2	M1-1235	YELLOW ENAMEL PAINT	LTR	AS Req
3	M1-1236	GREEN ENAMEL PAINT	LTR	AS Req
4	M1-1237	ROYAL BLUE ENAMEL PAINT	LTR	AS Req
5	M1-1238	SKY BLUE ENIMAL PAINT	LTR	AS Req
6	M1-1239	WHITE ENAMEL PAINT ANDREW	LTR	AS Req
7	M1-1240	BLACK ENAMEL PAINT	LTR	AS Req
8	M1-1241	RED ENAMEL PAINT	LTR	AS Req
9	M1-1242	STEEL GREY PAINT	LTR	AS Req
10	M1-1243	MATT LIGHT GREY PAINT ANDREW	LTR	AS Req
11	M1-1245	RED ALCOHOLIC ACID PRIMER	LTR	AS Req
12	M1-1247	INSULATION VARNISH	LTR	AS Req
13	M1-1251	NITRO VARNISH	LTR	AS Req
14	M1-1252	RED NITRO CELLULOSE DECO	LTR	AS Req
15	M1-1250	SILVER GREY AMINO VARNISH	LTR	AS Req
16	M1-1253	YELLOW NITRO CELLULOSE DECO	LTR	AS Req
17	M1-1254	BLUE NITRO CELLULOSE DECO	LTR	AS Req
18	M1-1255	WHITE NITRO CELLULOSE DECO	LTR	AS Req

19	M1-1256	BLACK NITRO CELLULOSE DECO	LTR	AS Req
20	M1-1257	GREEN NITRO CELLULOSE DECO	LTR	AS Req
21	M1-1259	MATT BLACK PAINT	LTR	AS Req
22	M1-1271	THINNER BNC	LTR	AS Req
23	M1-1268	ZINC YELLOW PRIMER	LTR	AS Req
24	EP4ENLBR	APPOXY MATT WHITE BERGWR	LTR	AS Req
25	EP4ENL	HARDNER BERGER	LTR	AS Req
26	8010-68-900-0106	AEROBUX HARDNER 97/62	LTR	AS Req
27	8010-68-900-0107	THINNER PU-97	LTR	AS Req
28	8010-68-900-0113	AEROBUX M-97 DARK BROWN	LTR	AS Req
29	8010-68-900-0133	RED NITRO CELLULOSE DECO	LTR	AS Req
30	8010-68-900-0135	BLUE NITRO CELLULOSE DECO	LTR	AS Req
31	8010-68-900-0136	WHITE NITRO CELLULOSE DECO	LTR	AS Req
32	8010-68-900-0137	BLACK NITRO CELLULOSE DECO	LTR	AS Req
33	8010-68-900-0138	GREEN NITRO CELLULOSE DECO	LTR	AS Req
34	8010-68-900-0139	PAINT YELLOW DECO	LTR	AS Req
35	8010-68-900-0121	SILVER PAINT (BUXLY-217)	LTR	AS Req

CATEGORY-09 PMC Shop

1	SMDH220	DRILL HOLDER 22	EA	5
2	SMDT-3000DMTL	DRILL INSERT 30.0	EA	30
3	SMDT18000DMTL	DRILL INSERT 18.00	EA	30
4	SMDT1240DMTL	DRILL INSERT 12.4	EA	30
5	SBN-25-32	P/TOOL BLOCK	EA	5
6	WCFH32-5	PARTING BLADE	EA	5
7	SMDH30	DRILL HOLDER 30	EA	5
8	SMDH120	DRILL HOLDER 12	EA	5
9	SMDH180	DRILL HOLDER 18	EA	5
10	SBU-25-32	P/TOOLS BLOCKS	EA	5
11	SMDT-2200DMTL	DRILL INSERT 2200	EA	30