

Opening on 09 March, 2018
ARF/1169/PC-168/LOG DATED 21 FEB 2018

Organization Name	Pakistan Aeronautical Complex
Address	AIRCRAFT REBUILD FACTORY PAC
City	Kamra
Tel No.	051-90992442
Terms & Conditions	<p>1. Quotations will be opened on 09 March, 2018 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 in duplicate must be deposited in 2 separate envelopes. Rates should be quoted both in words and figures clearly with unit price.</p> <p>4. All quotations (Category wise) must be put in separate sealed envelope. 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, 2018 otherwise quotation will not be entertained. Taxes will be imposed as per GOVT: policy and directive issued from time to time.</p> <p>7. All chemicals should be provided with COC (Certificate of Conformance), MSDS (Material Safety Data Sheet) and TDS (Technical Data Sheet) and within expiry life of minimum 02 Years.</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.</p> <p>11. The quantities are estimated and may increase/decrease with respect to the requirements.</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. Payment on delivery will be made through cheque against sales tax invoice only.</p> <p>14. Tenders are to be addressed to Director Logistics, Aircraft Rebuild Factory PAC Kamra. The quoted prices must be without GST and envelope must be marked with “TENDER FOR PROCURMENT of “Category-1, Category-2, Category-3, Category-4, Category-5, Category-6, Category-7, Category-8, Category-9, Category-10 and Category-11. Tenders received through fax shall not be accepted.</p> <p>15. Firms not registered with PAC Board shall deposit 5% earnest money along with the quotation.</p> <p>16. Delivery must be made 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 who is on ATL of FBR.</p>
Closing Time	10:30:00 AM
Opening Time	11:00:00 AM
Bid Validity	30/06/2018
Remarks	ARF PAC KAMRA

CONFIDENTIAL

Aviation Design Institute PAC Board

S No	Part No.	Description	U/I	Qty
Category 1: Electronic Control Unit				
1	MALE-ENG-02	Electronic Control Unit	Set	
2	MALE-ENG-02-001-01	ECU RPM Sensor	Ea	4
3	MALE-ENG-02-001-02	ECU RPM Sensor Cables	Ea	4
4	MALE-ENG-02-001-03	ECU Fuel Flow Sensors	Ea	4
5	MALE-ENG-02-001-04	ECU Fuel Flow Sensors Tubes	Ea	4
6	MALE-ENG-02-002-01	Throttle Body Casing	Ea	4
7	MALE-ENG-02-002-02	Throttle Body Hinges	Ea	4
8	MALE-ENG-02-002-03	Throttle Body Levers	Ea	4
9	MALE-ENG-02-002-04	Throttle Body Mount	Ea	4
10	MALE-ENG-02-002-05	Throttle Body Spacers	Ea	4
11	MALE-ENG-02-002-06	Throttle Body Adjustable Cable	Ea	4
12	MALE-ENG-02-003-01	Distributor Block Casing	Ea	4
13	MALE-ENG-02-003-02	Distributor Block Diaphragm	Ea	4
14	MALE-ENG-02-003-03	Distributor Block Adjustable Hoses	Ea	4
15	MALE-ENG-02-003-04	Distributor Block Indication Gauge (Fuel Flow)	Ea	4
16	MALE-ENG-02-004-01	Fuel Injectors Cylinder 1	Ea	4
17	MALE-ENG-02-004-02	Fuel Injectors Cylinder 2	Ea	4
18	MALE-ENG-02-004-03	Fuel Injectors Cylinder 3	Ea	4
19	MALE-ENG-02-004-04	Fuel Injectors Cylinder 4	Ea	4
20	MALE-ENG-02-005-01	HV Ignition Coils Cylinder 1	Ea	4
21	MALE-ENG-02-005-02	HV Ignition Coils Cylinder 2	Ea	4
22	MALE-ENG-02-005-03	HV Ignition Coils Cylinder 3	Ea	4
23	MALE-ENG-02-005-04	HV Ignition Coils Cylinder 4	Ea	4
24	MALE-ENG-02-006	Battery	Ea	4
25	MALE-ENG-02-007-01	Power Management Module Indicator	Ea	4
26	MALE-ENG-02-007-02	Power Management Module Fuel Sensor	Ea	4
27	MALE-ENG-02-007-03	Power Management Module Manifold Pressure Sens	Ea	4
28	MALE-ENG-02-008	Cockpit Annunciator	Ea	4
Category 2: Turbo Charger				
29	MALE-ENG-03	Turbo Charger	Set	
30	MALE-ENG-03-001	Turbo Charger Compressor Cover	Ea	4
31	MALE-ENG-03-002	Turbo Charger "O" Ring	Ea	4
32	MALE-ENG-03-003	Turbo Charger Compressor Nut	Ea	4
33	MALE-ENG-03-004	V-Band Clap	Ea	4
34	MALE-ENG-03-005	Compressor Wheel	Ea	4
35	MALE-ENG-03-006	Restraining Ring	Ea	4
36	MALE-ENG-03-007	Compressor Wheel Housing	Ea	4
37	MALE-ENG-03-008	Compressor Wheel "O" Ring	Ea	4
38	MALE-ENG-03-009	Piston Ring	Ea	4
39	MALE-ENG-03-010	Plendger Sleeve	Ea	4
40	MALE-ENG-03-011	Thrust Bearing	Ea	4
41	MALE-ENG-03-012	Thrust Screws	Ea	4
42	MALE-ENG-03-013	Journal Bearing	Ea	4
43	MALE-ENG-03-014	Bearing Mounting	Ea	4

CONFIDENTIAL

44	MALE-ENG-03-015	Clamp Plate	Ea	4
45	MALE-ENG-03-016	Snap Rings	Ea	4
46	MALE-ENG-03-017	Back Plate	Ea	4
47	MALE-ENG-03-018	Turbine Shaft	Ea	4
48	MALE-ENG-03-019	Turbine Wheel	Ea	4
49	MALE-ENG-03-020	Turbine Mounting	Ea	4
50	MALE-ENG-03-021	WoodRuyy Key	Ea	4
51	MALE-ENG-03-022	Turbo Charger Outlet Diffusor Hose	Ea	4
52	MALE-ENG-03-023	Turbo Charger Pressure Sensing Hose	Ea	4
53	MALE-ENG-03-024	Waste Gate Control Capsule	Ea	4
54	MALE-ENG-03-025	Air Inlet Filter	Ea	4
55	MALE-ENG-03-026	Waste Gate Flap Valve	Ea	4
56	MALE-ENG-03-027	Turbo Charger Exhaust Manifold Mount	Ea	4
57	MALE-ENG-03-028	Turbo Charger Body	Ea	4
58	MALE-ENG-03-029	Turbo Charger Input Valves	Ea	4
59	MALE-ENG-03-030	Turbo Charger Gate Valves	Ea	4
60	MALE-ENG-03-031	Turbo Charger Manifold Pressure Sensors	Ea	4
61	MALE-ENG-03-032	Turbo Charger Engine Temprature Sensors	Ea	4
62	MALE-ENG-03-033	Atmospheric Pressure Sensors	Ea	4
Category 3: 3 Blade Propeller				
63	MALE-ENG-04	3 Blade Propeller	Set	
64	MALE-ENG-04-001	Portside Prop Blade	Ea	4
65	MALE-ENG-04-002	Portside Prop Blade Root Mounting	Ea	4
66	MALE-ENG-04-003	Starboard side Prop Blade	Ea	4
67	MALE-ENG-04-004	Starside Prop Blade Root Mounting	Ea	4
68	MALE-ENG-04-005	Rightangle Prop Blade	Ea	4
69	MALE-ENG-04-006	Rightangle Prop Blade Root Mounting	Ea	4
70	MALE-ENG-04-007	Propeller Shaft	Ea	4
71	MALE-ENG-04-008	Propeller Hub	Ea	4
72	MALE-ENG-04-009	Propeller Hub Torque Screws	Ea	4
73	MALE-ENG-04-010	Propeller Casing	Ea	4
74	MALE-ENG-04-011	Propeller Hub Hydraulic Lines	Ea	4
75	MALE-ENG-04-012	Prop Governor Control Lever	Ea	4
76	MALE-ENG-04-013	Prop Governor Speeder Spring	Ea	4
77	MALE-ENG-04-014	Prop Governor Pilot Valve	Ea	4
78	MALE-ENG-04-015	Prop Governor Pressure Pump	Ea	4
79	MALE-ENG-04-016	Prop Governor Engine Flange	Ea	4
80	MALE-ENG-04-017	Prop Governor Engine Flange Bolts	Ea	4
81	MALE-ENG-04-018	Prop Governor Pressurize oil Cavity Casing	Ea	4
82	MALE-ENG-04-019	Prop Governor Control Input Rod	Ea	4
83	MALE-ENG-04-020	Prop Governor Pressure Relief Valve	Ea	4
84	MALE-ENG-04-021	Prop Governor Fine Pitch Tube	Ea	4
85	MALE-ENG-04-022	Prop Governor Coarse Pitch Tube	Ea	4
86	MALE-ENG-04-023	Prop Governor Speed Reset Oil Activitaion Sensor	Ea	4
87	MALE-ENG-04-024	Speed Reset Solenoid	Ea	4
88	MALE-ENG-04-025	Feathering Solenoid Valve	Ea	4
89	MALE-ENG-04-026	Propeller Spinner	Ea	4
90	MALE-ENG-04-027	Propeller Spinner Tightening Bolts	Ea	4

CONFIDENTIAL

Category 4: Oil System				
91	MALE-ENG-05	Oil System	Set	
92	MALE-ENG-05-001	Inlet Screen	Ea	4
93	MALE-ENG-05-002	Oil Pump	Ea	4
94	MALE-ENG-05-003	Oil Pressure Regulator Valve	Ea	4
95	MALE-ENG-05-004	Drain to Oil Pan	Ea	4
96	MALE-ENG-05-005	Bi-Pass Filter	Ea	4
97	MALE-ENG-05-006	Oil Cooler	Ea	4
98	MALE-ENG-05-007	Full Flow Filter	Ea	4
99	MALE-ENG-05-008	Differential Pressure Filter Bi-Pass Valve	Ea	4
100	MALE-ENG-05-009	Oil Cooler Bi-Pass Valve	Ea	4
101	MALE-ENG-05-010	Oil Drain Plugs	Ea	4
102	MALE-ENG-05-011	Oil Lines to Prop Governor	Ea	4
103	MALE-ENG-05-012	Oil Guage	Ea	4
104	MALE-ENG-05-013	Oil level sensor	Ea	4
105	MALE-ENG-05-014	Oil Restrictors	Ea	4
106	MALE-ENG-05-015	Oil Sump Cover	Ea	4
107	MALE-ENG-05-016	Oil Spray Jets	Ea	4
108	MALE-ENG-05-017	Oil Sump 'O' Rings	Ea	4
Category 5: Alternators 1				
109	MALE-ENG-06	Alternators 1 (Alt 1)	Set	
110	MALE-ENG-06-001	Alt 1 Pulley	Ea	4
111	MALE-ENG-06-002	Alt 1 Rotor Assembly	Ea	4
112	MALE-ENG-06-003	Alt 1 Rear Bearing	Ea	4
113	MALE-ENG-06-004	Alt 1 Bearing Retainer	Ea	4
114	MALE-ENG-06-005	Alt 1 Front Bearing	Ea	4
115	MALE-ENG-06-006	Alt 1 Front Bracket	Ea	4
116	MALE-ENG-06-007	Alt 1 Stator	Ea	4
117	MALE-ENG-06-008	Alt 1 Insulator	Ea	4
118	MALE-ENG-06-009	Alt 1 Mounting Plate	Ea	4
119	MALE-ENG-06-010	Alt 1 Regulator and Brush Holder	Ea	4
120	MALE-ENG-06-011	Alt 1 Slinger	Ea	4
121	MALE-ENG-06-012	Alt 1 Rectifier	Ea	4
122	MALE-ENG-06-013	Alt 1 Alternator Brushes	Ea	4
123	MALE-ENG-06-014	Alt 1 Brush Spring	Ea	4
124	MALE-ENG-06-015	Alt 1 Rear Bracket	Ea	4
125	MALE-ENG-06-016	Alt 1 Diode Set	Ea	4
126	MALE-ENG-06-017	Alt 1 Bearing Cover	Ea	4
127	MALE-ENG-06-018	Alt 1 Brush Cover	Ea	4
128	MALE-ENG-06-019	Alt 1 Front Cover	Ea	4
129	MALE-ENG-06-020	Alt 1 Alternator Slip Rings	Ea	4
130	MALE-ENG-06-021	Alt 1 Internal Cooling Fan	Ea	4
131	MALE-ENG-06-022	Alt 1 Roater Shaft	Ea	4
132	MALE-ENG-06-023	Alt 1 Bat Terminal	Ea	4
133	MALE-ENG-06-024	Alt 1 Baffle Pins	Ea	4
Category 6: Alternators 2				
134	MALE-ENG-07	Alternators 2 (Alt 2)	Set	
135	MALE-ENG-07-001	Alt 2 Pulley	Ea	4

CONFIDENTIAL

136	MALE-ENG-07-002	Alt 2 Rotor Assembly	Ea	4
137	MALE-ENG-07-003	Alt 2 Rear Bearing	Ea	4
138	MALE-ENG-07-004	Alt 2 Bearing Retainer	Ea	4
139	MALE-ENG-07-005	Alt 2 Front Bearing	Ea	4
140	MALE-ENG-07-006	Alt 2 Front Bracket	Ea	4
141	MALE-ENG-07-007	Alt 2 Stator	Ea	4
142	MALE-ENG-07-008	Alt 2 Insulator	Ea	4
143	MALE-ENG-07-009	Alt 2 Mounting Plate	Ea	4
144	MALE-ENG-07-010	Alt 2 Regulator and Brush Holder	Ea	4
145	MALE-ENG-07-011	Alt 2 Slinger	Ea	4
146	MALE-ENG-07-012	Alt 2 Rectifier	Ea	4
147	MALE-ENG-07-013	Alt 2 Alternator Brushes	Ea	4
148	MALE-ENG-07-014	Alt 2 Brush Spring	Ea	4
149	MALE-ENG-07-015	Alt 2 Rear Bracket	Ea	4
150	MALE-ENG-07-016	Alt 2 Diode Set	Ea	4
151	MALE-ENG-07-017	Alt 2 Bearing Cover	Ea	4
152	MALE-ENG-07-018	Alt 2 Brush Cover	Ea	4
153	MALE-ENG-07-019	Alt 2 Front Cover	Ea	4
154	MALE-ENG-07-020	Alt 2 Slip Rings	Ea	4
155	MALE-ENG-07-021	Alt 2 Internal Cooling Fan	Ea	4
156	MALE-ENG-07-022	Alt 2 Rotor Shaft	Ea	4
157	MALE-ENG-07-023	Alt 2 Bat Terminal	Ea	4
158	MALE-ENG-07-024	Alt 2 Baffle Pins	Ea	4
Category 7: Right Hand (RH) Magnetos				
159	MALE-ENG-08	Right Hand (RH) Magnetos	Set	
160	MALE-ENG-08-001	RH Bearing Support Assembly	Ea	4
161	MALE-ENG-08-002	RH Distributor Bearing	Ea	4
162	MALE-ENG-08-003	RH Steel Roater Gear	Ea	4
163	MALE-ENG-08-004	RH Rotor Gear Snap Ring	Ea	4
164	MALE-ENG-08-005	RH End Cap Cover	Ea	4
165	MALE-ENG-08-006	RH End Cap Gasket	Ea	4
166	MALE-ENG-08-007	RH Brush and Spring Assembly	Ea	4
167	MALE-ENG-08-008	RH Distributor Shaft Snap Ring	Ea	4
168	MALE-ENG-08-009	RH Felt Shaft Seal	Ea	4
169	MALE-ENG-08-010	RH Rotor Spring Clip	Ea	4
170	MALE-ENG-08-011	RH Impulse Spring Assembly	Ea	4
171	MALE-ENG-08-012	RH Felt Seal Holder Assembly	Ea	4
172	MALE-ENG-08-013	RH Plate-Stop Pin	Ea	4
173	MALE-ENG-08-014	RH Lever-Stop	Ea	4
174	MALE-ENG-08-015	RH Lock Washer	Ea	4
175	MALE-ENG-08-016	RH Rotor	Ea	4
176	MALE-ENG-08-017	RH Magneto Housing	Ea	4
177	MALE-ENG-08-018	RH Bearing Plate Assembly	Ea	4
178	MALE-ENG-08-019	RH Nut-Shaft	Ea	4
179	MALE-ENG-08-020	RH Coil Insulator	Ea	4
180	MALE-ENG-08-021	RH Rotor Tunnel Cover	Ea	4
181	MALE-ENG-08-022	RH Trip Arm	Ea	4
182	MALE-ENG-08-023	RH Fixed Contact Screw	Ea	4

CONFIDENTIAL

183	MALE-ENG-08-024	RH Oil Seal	Ea	4
184	MALE-ENG-08-025	RH Drive Spring	Ea	4
185	MALE-ENG-08-026	RH Stud Washer	Ea	4
186	MALE-ENG-08-027	RH Breaker Box Screw	Ea	4
187	MALE-ENG-08-028	RH Drive Shaft Key	Ea	4
188	MALE-ENG-08-029	RH Breaker Arm Spring Screw Lock Washer	Ea	4
189	MALE-ENG-08-030	RH Breaker Arm Clamp Screw Lock Washer	Ea	4
190	MALE-ENG-08-031	RH Fixed Contact Screw Lock Washer	Ea	4
Category 8: Left Hand (LH) Magnetos				
191	MALE-ENG-09	Left Hand (LH) Magnetos	Set	
192	MALE-ENG-09-001	LH Bearing Support Assembly	Ea	4
193	MALE-ENG-09-002	LH Distributor Bearing	Ea	4
194	MALE-ENG-09-003	LH Steel Roter Gear	Ea	4
195	MALE-ENG-09-004	LH Rotor Gear Snap Ring	Ea	4
196	MALE-ENG-09-005	LH End Cap Cover	Ea	4
197	MALE-ENG-09-006	LH End Cap Gasket	Ea	4
198	MALE-ENG-09-007	LH Brush and Spring Assembly	Ea	4
199	MALE-ENG-09-008	LH Distributor Shaft Snap Ring	Ea	4
200	MALE-ENG-09-009	LH Felt Shaft Seal	Ea	4
201	MALE-ENG-09-010	LH Rotor Spring Clip	Ea	4
202	MALE-ENG-09-011	LH Impulse Spring Assembly	Ea	4
203	MALE-ENG-09-012	LH Felt Seal Holder Assembly	Ea	4
204	MALE-ENG-09-013	LH Plate-Stop Pin	Ea	4
205	MALE-ENG-09-014	LH Lever-Stop	Ea	4
206	MALE-ENG-09-015	LH Lock Washer	Ea	4
207	MALE-ENG-09-016	LH Rotor	Ea	4
208	MALE-ENG-09-017	LH Magneto Housing	Ea	4
209	MALE-ENG-09-018	LH Bearing Plate Assembly	Ea	4
210	MALE-ENG-09-019	LH Nut-Shaft	Ea	4
211	MALE-ENG-09-020	LH Coil Insulator	Ea	4
212	MALE-ENG-09-021	LH Rotor Tunnel Cover	Ea	4
213	MALE-ENG-09-022	LH Trip Arm	Ea	4
214	MALE-ENG-09-023	LH Fixed Contact Screw	Ea	4
215	MALE-ENG-09-024	LH Oil Seal	Ea	4
216	MALE-ENG-09-025	LH Drive Spring	Ea	4
217	MALE-ENG-09-026	LH Stud Washer	Ea	4
218	MALE-ENG-09-027	LH Breaker Box Screw	Ea	4
219	MALE-ENG-09-028	LH Drive Shaft Key	Ea	4
220	MALE-ENG-09-029	LH Breaker Arm Spring Screw Lock Washer	Ea	4
221	MALE-ENG-09-030	LH Breaker Arm Clamp Screw Lock Washer	Ea	4
222	MALE-ENG-09-031	LH Fixed Contact Screw Lock Washer	Ea	4
Category 9: Engine Mounts				
223	MALE-ENG-10	Engine Mounts	Set	
224	MALE-ENG-10-001	Engine Mounting Pads	Ea	4
225	MALE-ENG-10-002	Steel Bushing	Ea	4
226	MALE-ENG-10-003	Steel Washer	Ea	4
227	MALE-ENG-10-004	Engine Mount Bolts	Ea	4
228	MALE-ENG-10-005	Engine Mount Tubes	Ea	4

CONFIDENTIAL

229	MALE-ENG-10-006	Engine Mount Jigs	Ea	4
230	MALE-ENG-10-007	Engine Mount Damper No 1	Ea	4
231	MALE-ENG-10-008	Engine Mount Damper No 2	Ea	4
232	MALE-ENG-10-009	Engine Mount Damper No 3	Ea	4
233	MALE-ENG-10-010	Engine Mount Damper No 4	Ea	4
234	MALE-ENG-10-011	Engine Mount Damper No 5	Ea	4
235	MALE-ENG-10-012	Engine Mount Damper No 6	Ea	4
236	MALE-ENG-10-013	Engine Mount Damper No 7	Ea	4
Category 10: Fuel Flow Divider				
237	MALE-ENG-11	Fuel Flow Divider	Set	
238	MALE-ENG-11-001	Fuel Flow Divider Mounting	Ea	4
239	MALE-ENG-11-002	Fuel Flow Divider Adjustment Screw	Ea	4
240	MALE-ENG-11-003	Fuel Flow Divider Inlet hoses	Ea	4
241	MALE-ENG-11-004	Fuel Flow Divider Drain Valve	Ea	4
242	MALE-ENG-11-005	Fuel Flow Divider Pressure Sensor	Ea	4
243	MALE-ENG-11-006	Fuel Flow Divider Manifold Sensor	Ea	4
244	MALE-ENG-11-007	Fuel Flow Divider Connector Sleeve 1	Ea	4
245	MALE-ENG-11-008	Fuel Flow Divider Connector Sleeve 2	Ea	4
246	MALE-ENG-11-009	Fuel Flow Divider Connector Sleeve 3	Ea	4
247	MALE-ENG-11-010	Fuel Flow Divider Connector Sleeve 4	Ea	4
Category 11: Engine Misc. (Line Items)				
248	MALE-ENG-12	Engine Misc. (Line Items)	Set	
249	MALE-ENG-12-001	Spark Plugs	Ea	32
250	MALE-ENG-12-002	Air Cooling Baffles	Set	6
251	MALE-ENG-12-003	Temperature Sensors	Ea	8
252	MALE-ENG-12-004	Ignition Coils	Ea	32
253	MALE-ENG-12-005	Fuel Quantity Indicators	Ea	8
254	MALE-ENG-12-006	CHT Gauges	Ea	4
255	MALE-ENG-12-007	Throttle Levers cables	Ea	8