

Opening on 31 March, 2017
ARF/1169/PC-022/LOG DATED 15 January, 2017

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 31 arch, 2017 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, 2017 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 PROCUREMENT of “Category-1, Category-2, Category-3, Category-4, Category-5, Category-6, Category-7, Category-8, Category-8, Category-9, Category-10, Category-11, Category-12, Category-13 and Category-14””. 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>
Closing Time	10:30:00 AM
Opening Time	11:00:00 AM
Bid Validity	30/06/2017
Remarks	ARF PAC KAMRA

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S. NO	PART NO	NOMENCLATURE	U/I	QTY
CATEGORY -01 INSTRUMENT SHOP				
1	20L203DA2RREVA	DSSPLAY BOARD FOR (ADT-1)	EA	01
CATEGORY -02 GROUND EQUIPMENT (F-7P)				
1	CYG1103TO~1MPA	PRESSURE TRANSMITER	EA	02
2	LA10-3H	STARTING BOX	EA	01
CATEGORY -03 PROVOST SQN (Specifications attached at below)				
1	9999-68-400-0042	FABRIC GUARD POST	EA	01
2	9999-68-400-0041	GUARD POST	EA	01
3	UVSS	UNDER VEHICLE SURVEILLANCE SYSTEM	EA	02
4	7430-68-900-0780	SPEED GUN CAMERA	EA	01
CATEGORY -04 AIRFRAME ACCESSORY SHOP NO 1				
1	340-7482	DOUBLE TOOL LOCKER	EA	03
2	505-9552	KNOCK DOWN MOBILE DRAWER UNIT	EA	02
3	236-3640	MODULAR DRAWERS	EA	05
4	505-9530	KNOCK DOWN MOBILE DRAWER UNIT	EA	02
5	505-9546	KNOCK DOWN MOBILE DRAWER UNIT	EA	02
6	507-9506	HEIGHT ADJUSTABLE WORK TABLE	EA	03
7	236-3606	MODULAR DRAWERS	EA	05
8	346-8083	TROLLY 03 TRAY	EA	02
9	352-1702	MODULAR DRAWERS	EA	05

**Open
Tender**

Open
Tender

CATEGORY -05 HARNESS SHOP				
1	R09M00000	PLUG	EA	03
CATEGORY -06 FTS (F-7P)				
1	4720NL-S4PFA-ULTRA-4	OXYGEN CHARGING HOSE	EA	03
2	4720NL-S4PFA-ULTRA-30	OXY CHARGING HOSE	EA	03
CATEGORY -07 JF-17 MRO				
1	SNZ23-3/14P-6-B	SOCKET CONNECTOR	EA	06
2	SNZ23-19/27B-6-B	PLUG	EA	06
3	3610-68-900-0004	FAX MACHINE	EA	1
4	7430-68-900-0837	PRINTER HEAVY DUTY (LASER JET)	EA	1
5	7430-68-900-0835	LAPTOP CORE I5	EA	1
6	3540-68-900-0007	PAPER SHREDDING MACHINE	EA	1
7	7430-68-900-0834	COMPUTER CORE TM I5-6500	EA	6
8	7430-68-900-0836	PHOTOSTAT MACHINE 32-35CPM	EA	1
9	7430-68-900-0838	COLOUR PRINTER JET PRO M452DN	EA	1
10	7430-68-900-0840	SCANNER HP SOANJET 3500F1	EA	1
11	7430-68-900-0839	PRINTER HP LASER JET	EA	3
CATEGORY -08 HEAT & SURFACE TREATMENT SHOP				
1	9150-68-900-0091	Shell Voluta Oil	LTR	4200
2	6625-68-900-0328	GPS Multi Parameter	Ea	01
3	10-18591	Heat Resistance Gloves	PR	04
4	9999-68-900-1020	CJC Sensor	EA	01
5	3990-68-900-0111	Avionics Component Trolley	EA	01
6	6650-68-900-0034	Bore Scope	EA	01
CATEGORY -09 ELECT SHOP				
1	MP.LTH-6-1-CPCB	CONTROL PCB	EA	02
2	043054	TRANSFORMER	EA	08
CATEGORY -10 CANOPY SHOP				
1	239300	RUST PROTECTION HODT FLUID FILM	EA	02

CATEGORY -11 ARMAMENT SQN				
1	CAA1-133	GUN SPANNER	EA	07
2	CAA1-315	SPANNER	EA	02
3	CAA1-5005	MOUNT SPANNER	EA	07
4	EXGT-09-032	ELBOW GUN MOUNT	EA	02
CATEGORY -12 PMC SHOP				
1	01656.3LENGHT960MM	SEAL WORK EDM	EA	01
2	016556.4LENGHT1720MM	SEAL WORK TANK EDM	EA	01
3	3455-68-900-0681	4S DOALL CENTER DRILL EXTENTION PIPE	EA	05
4	SR144FDK	VERNIER CELL	EA	20
CATEGORY -13 HARNESS SHOP				
1	TST-M100L-YAG5	LASER AMPLIFIRE	EA	02
2	TST-M100L-YAG4	LASER GENERATOR	EA	02
3	TST-M100L-QSWC	Q-SWITCH CRYSTAL	EA	02
4	XC36T40KH	PLUG	EA	01
5	HARNWARE	CABLE DESIGING SOFTWARE (COMPUTER)	EA	01
6	HB-B14	BACK ASSY	EA	08
7	HD-F10	BACK ASSY	EA	01
8	HB6-92-15	TERMINAL END	EA	02
9	HB6-92-18	TERMINAL LUG	EA	02
CATEGORY -14 MET CENTER				
1	3990-68-900-0064	TRAY STEEL WITH COVER 45X35X5CM	EA	02

Specifications Provost Squadron CAT-03

UVSS	
Camera	<ul style="list-style-type: none"> a. Working Temperature: -10 to +50 degree b. Working Voltage: 12 VDC c. Sensitive: 408DN/nJ/square cm) @ 10dB d. Scan speed: 36 KHz e. Data type: 8/12bit Gige vision f. Data Transferring: RJ485 support up to 200 M remote installation g. Protection level: IP66 h. Cooling type: Aluminum fin cooling
Lightening	<ul style="list-style-type: none"> a. LED type lighting; red color; protection level : IP66 b. Working temperature: -10 to +60 degree c. Cooling type: Aluminum fin cooling
I/O Control	<ul style="list-style-type: none"> a. Working temperature: -10 to +50 degree b. Working voltage: 12 15 VDC c. Control chip: 8 digit high performance MCU d. Input: 12 routes optoelectronic isolation NPN input, 10 mA e. Output: 8 routes optoelectronic isolation relay output, 0-220v output, Max 5A.
Sensor House	<ul style="list-style-type: none"> a. High heat transferring performance aluminum b. Two pieces structure easy for maintenance c. Edge max load weight: 2Ts except mirror area
GUARD POST	
S NO	Specification
1	Fiber Glass Guard Posts
2	Size 5'x5'
3	Bullet Proof
4	Outer wall Fiber Glass sheet 4 to 5 mm
5	Outer & Inner Wall Cavity 16" for sand fitting
6	Mosquito Net
7	Inner Wall MS Sheet 18 Guage
8	Electric Fan & temperature controlled (reversible AC)
9	Florescent Light
10	Electric Output points 02
11	Internal Door Lock with Keys

FABRIC GUARD POST		
S No	Specification	
1	Ballistic Protection	5-sides of the guard cabin are bullet resistant with protection level B6 or B7. Roof: Confirming to B6 or B7 level Wall panels: Confirming to EN1063 B6 level against 7.62 x 51 ammunition /B7 level against 7.62x54 AP ammunition.
2.	Roof & Base Floor	Exterior: EN 1063 B6 or B& level bullet resistant galvanized steel, cover with heat insulating & wearing-keeping GRC material interior ceiling: coated veer with smooth flat surface. Base Floor will be constructed on galvanized steel framed comprised of aluminum treat plate finished floor
3	Wall Panels (Front, back, left & right)	Exterior: EN1063 B6 or B7 level bullet resistant galvanized steel Interior Finish, Coated veneer with smooth flat surface.
4	Frame Construction	Mechanical tube framing as supports, with all joints welded
5	Ballistic Glass	Windows: Upper side of front, left & right wall panels, Bullet resistance: EN1063 B65 or B7 level. Glass framed using steel / Aluminum framing system
6	Door	Opening / closing door on the right wall panel, EN 1063 B6 level bullet resistance. Switches of lights & exhaust fan on the side door
7	Electrical	220V electrical cabinet installed on the bottom of back panel, 2 Electrical outlets on the middle bottom of front panel.
8.	Ventilation	2 Air in-take: on the lower part of front panel with shutter.1 Exhaust fan: close to the inside of front panel
9	Accessories & Lighting	Telephone Line: connected and besides the electrical outlet, working counter; close to the inside of front panel 2x 220v *28 W lighting on the ceiling
10	Air conditioner (2500W-cooling capacity; 4000W-heating capacity) Gun ports on the 4-sides of the booth. Monitor & spotlight on the top of booth : by request	

LASER SPEED GUN CAMERA

General Specifications

Display:

4.3" Bigger Touch-Screen

Outer Shell Material:

High Strong Composite Polycarbonate and Rubber

Inner Structure:

Aluminum

Color:

Blue black, grey, silver or any decent color

Packaging & Delivery

Packaging Details:

Hard Cover material carrying Bag;

Laser speed gun with video for light car and reflect back to calculate the speed of the car. The size of the "cone" of light that the gun emits small beam, even at a range like 1000 feet, only 2.3 feet in diameter. This beam must allow the gun to target a specific vehicle and so accurate that it must be good to calculate speed with error of only +-1mph;

Technical Speciation

Maximum Measurement Distance	distance only mode	1200 m
	speed mode	600-700 m
Minimum Measurement Distance	for all mode	5 m
Optimum Focus Distance	70 meters	230 feet

Lens Operating Range	Hand-held	15 - 80 meters (50 - 262 feet)
	Tripod mounted	15 - 90 meters (50 - 295 feet)
Speed Accuracy	± 2 km/h	± 1 mph
Speed Range	0 km/h to 320 km/h	0 mph to 200 mph
Distance Accuracy	±30 cm absolute accuracy	± 12 inches absolute accuracy
Display Resolution	Speed	1 km/h : 1 mph
	Distance	1 meter : 1 foot
Measurement Time		0.33 - 0.67 second
Units of Measure	Speed	kilometers per hour
		miles per hour
	Distance	meters
		feet
Laser Wavelength	905 nanometers nominal	
Beam Divergence	2.5 milliradians nominal	
Eye Safety	FDA Class 1 (CFR 21)	IEC 60825-1
Body	Inner Structure: Aluminium	outer shell: composite polycarbonate
Weight		1.5-1.7kg
Size		7.7"*4.8"*12.5"
Environment	IP65-IP67	Water and Dust Resistant
Temperature Range	Operating	-10°C to +60° C (14°F to 140°F)
	Charging	0°C to +45°C (32°F to +113°F)
	Storage	-20° C to +60°C (-4°F to 140°F)
Capture Data Storage	Removable SD Card	4 GB and greater
Operation system		Linux based
Display	4.3 inch (10.9 cm), 480x272 pixel, color, 18 bits per pixel (bpp), touch sensitive	
Camera Sensor	2.0 MPixel (1600x1200)	
Camera Lens	75 mm, manual focus and iris	
Battery Pack	7.4 v dc, Lithium-ion Polymer rechargeable battery pack, short circuit and overcharge protected, providing up to 8 hours of cordless operation	
Video Size	Standard Format	320x240 pixels
	Extended Format	640x480 pixels
Video Modes	Selectable video capture frame rate before the measurement and based on motion clip:640*480/13FPS	
Still Image Sizes	1600x1200 pixels	
Measure Mode:	Continuous, Locking, Automatic, Video Tracking, Single Distance Measure, Gate Mode	
Languages:	English	
Warranty:	2 year	

