

CENTRAL AVIATION SPARES DEPOT (EME)
QASIM ARMY AVIATION BASE, DHAMIAL CAMP RAWALPINDI
TENDER NOTICE

1. Sealed tender is invited from reputed firms possessing NTN certificates for supply of under mentioned items. Procurement will be carried out in the light of PPRA rules. **Quantity mentioned in tender is approximate requirement for complete financial year, however purchase quantity can be increased or decreased.** Being shelf life items purchase order will be placed in batches / packages in reduced quantity as per immediate requirements / needs. Firms should avoid quoting exorbitant rates.

Ser	Tender No	Detail of Required Stores	No of Items	Delivery Period	Date and Time of Tender	
					Submission	Opening
a.	81201-EME/LP/26-27/IT-5 dated 20 Jul 2026	Misc	(List attached as Annexure A to D)	30 Days for Local Stores & 90 Days for Foreign Stores	10 August 2026 at 1030 Hrs	10 August 2026 at 1100 Hrs

2. **Submission of Offers by the Firms.**

- a. Quoted rates must be valid up to **30 Jun 2027**.
- b. Delivery Period should be 1 x month for local and 3 x months for imported items.
- c. Those firms which are having pending deliveries of last financial year will not be allowed to participate in tender.
- d. Remaining life of shelf life / life expiry items should be 80% of total life at the time of delivery.
- e. **Bids of firms registered with Central Aviation Spares Depot or having valid Military Intelligence Directorate security clearance for interaction with Army will only be accepted.**
- f. Firm must quote items in separate envelopes clearly marked "Technical Offer" and Commercial Offer" in separate categories Annexures wise as given below. **IT number must be mentioned on both envelopes: -**

Category	Heading on Envelop (Technical)	Heading on Envelop (commercial)
Miscellaneous	Annexure A to D (Technical)	Annexure A to D (Commercial)

- g. **Technical Offer.** The offer must include the following information / documents which will be evaluated by respective boards for completeness and acceptance: -
 - (1) **Tender Fees (non-refundable) amounting to Rs 3,000/- per tender.**
 - (2) **Bid Security / Earnest Money amounting to 5% of the total amount of bid (unit price x required quantity x 0.05) must accompany in the shape of PAY ORDER / BANK DRAFT in the name of Commandant CASD. Same will be returned on delivery of ordered items. Bid Security will be confiscated if bidder withdraws his bid during the period of bid validity, changes his original bid in any manner, fails to deliver item or to provide CDR/ BG (when required/ due). Tender without bid security / earnest money or if the amount of bid security / earnest money deposited is less than 5% of the total amount of bid, will not be entertained.**
 - (3) Brand name, specification, country of origin.
 - (4) The source / firm authorization for all branded items to be imported by the firms. The firms are also requested to provide authorization / license to import these items.
 - (5) **Validity of offer should be upto 30 Jun 2027.**

- (6) Delivery period for each item must be mentioned on the quote. Delivery period will start from the date of issuance of Purchase Orders. If firm considers that delivery will not be possible within 1 x month for local and 3 x months for foreign items than firm should approach this office before expiry of delivery period.
- (7) Remaining shelf life / expiry of items should be 80% of total life at the time of delivery.
- (8) The purchaser can waive off any of the conditions stipulated in this tender inquiry and reserve the right to accept or reject thereto.
- (9) Bidders should note that decision of Commandant CASD (EME), Dhamial Camp, Rawalpindi will be final in respect of acceptance / rejection of the offers.
- (10) All samples and supplies will be subject to tests and inspections either by the board of officers constituted for the purpose and any cost incurred on tests / inspections and stores consumed in the same will be borne by the suppliers. Depot may test / inspect samples before placing of purchase orders.
- (11) During warranty period (if stores supplied is/ are backed by warranty), if a fault occurs in supplied stores then supplier will be responsible to either rectify the fault communicated or get the faulty parts replaced within 7 (seven) days of the receipt of information in this regard from the purchaser at his specified places which can be other than the place of delivery of stores. In case supplier fails to rectify the faults or replace the faulty parts in a specified time then purchaser will have the right to take disciplinary action against the supplier and also impose penalty if considered necessary / appropriate.
- (12) During warranty period it will be the responsibility of the supplier to carry out periodic maintenance of supplied stores as prescribed by the manufacturers free of cost as purchasers specified places which can be other than the place of delivery of stores.
- (13) In case of an item has no specifications, drawing or approved sample then a board of officers appointed for the purpose will decide its acceptable standards.
- (14) Make / model / brand and country of origin of stores must be mentioned where applicable.
- (15) Manufacturer certificate / Certificate of Conformance of branded items must be provided.
- (16) Prices / rates will be quoted on delivery basis at locations all over Pakistan.
- (17) Prices / rates will be inclusive of all applicable taxes / duties.
- (18) Prices / rates quoted must be as per accounting unit.
- (19) More than one manufacturer / model may also be quoted giving separate price of each manufacturer / model.
- (20) Prices / rates will be quoted in Pakistani currency.
- (21) Partial delivery / partial payment will not be accepted / made.
- (22) Payment will be made through Controller Military Accounts Rawalpindi after receipt and acceptance of ordered stores.
- (23) If stores are not delivered within delivery period, penalty will be imposed.
- (24) Items should be packed properly at the time of delivery as per standard packing regime.
- (25) Participation by authorized representatives of concerned firms is mandatory, absence may entail in rejection of bids. In case representative cannot attend the opening proceedings of tender, prior written intimation is mandatory for consideration to accept the bids.
- (26) Technical detail may be sought out by firms.

h. **Commercial Offer**. This offer must include the item wise rate and total amount of stores to be offered. This offered will only be considered after acceptance of technical offer.

- (1) **Opening date / time of commercial offer shall be communicated to all participants, whose technical offers have been accepted / qualified on the completion of technical evaluation.**
- (2) As far as possible Price(s) / Rate(s) must be quoted against each item, where prices / rates are not being quoted this should be reflected by words "NOT QUOTED"
- (3) List of stores(s) (hard copy) will be submitted duly typed, (not hand written) signed and duly stamped on each paper or else offer will be rejected.
- (4) Quoted rates are only valid on firm's letter head.
- (5) No change should be made in tender inquiry provided (part number, nomenclature,

accounting unit, photo and technical details/ specifications). Bidders should fill prices / rates in front of the items without deleting / amending any column / row and without disturbing the serial numbers. In case of any change/ amendment in quoted item (without which correct quote is not possible), details of same should be clearly mentioned in bold italics.

3. **Essential Documents Requirement**. Firm shall ensure submission of following essential documents along with technical offer to participate in tender: -

- a. Certificate that firm is neither defaulter nor blacklisted by any Government / Military Organization directly or indirectly.
- b. Undertaking for adequate financial capability to the value of tender.
- c. **Each bid should accompany 5% of the bid amount of items as bid security / earnest money (COMPULSORY) in the shape of PAY ORDER / BANK DRAFT in the name of commandant CASD. Tender without earnest money will not be entertained.**
- d. **Tender fee amounting to Rs. 3,000/- per tender.**

4. **Purchasers Right**. Purchasers do not pledge to accept the lowest or any tender and reserves the right of accepting the whole or any part of the offer made. Firm will be given purchase orders after completion of above formalities. **Liquated Damage charges will be imposed on weekly basis after expiry of delivery period.**

5. **Date and time of receipt of tender**. Tender must reach this depot / dropped in tender box placed at main gate CASD (EME) Rawalpindi by time and date as specified in para 1a above. This office will not accept any excuse of delay occurring in post. Tender received after appointed / fixed time will not be entertained.

6. **Additional details required for each item separately**

- a. Rate including taxes / duties.
- b. Delivery period of each item.
- c. Offer validity till **30 June 2027**.
- d. Performance guarantee.
- e. Clarify shipping plan (By Air / Sea).
- f. Specify warranty period.

For further details contact.

Phone: 051-5686289 or Visit Web site www.ppra.org.pk

EXPENDABLE ITEMS - MI-17						
S/No	Part No / Alt Part No	Nomenclature	A/U	Remarks/Addl Info	Picture	Usage
1.	10320	CHAMIOUS LATHER	Nos	43*32*0.2cm Locally procured Any Local Brand accepted used for cleaning of windshield		Glass cleaning
2.	AVN-503248	PRESERVATION SEALING BAG LARGE	Nos	Locally Available 8'x 6'		Assy and hardware packing
3.	AVN-503819	FOAM BLOCKS FOR WASHING	Nos	Locally Available 3x4"x6"		Use painter for paint
4.	AVN-366-16047-368	PAINT REMOVER BRUSH 3"	Nos	Locally Available		Use painter for paint

5.	847	SCOTH WELD-847	Ltr	Brand: 3M Part Number: 847 Made in France Only 1 Ltr Packing Will Be Accepted		Fuel resistance for external fuel tank repair with black cloth
6.	AVN-366-16047-203	RUBBER GLOVES	Prs	Locally Available Size:12" LONG		For Cleaning assy
7.	AVN-503874	SCRAPER CHINA	Set	Locally Available 1 Set (4 Piece) 'Metal JE1stuck 5.8.10.12 OM breit		Before paint surface clean and paste for sealing compound

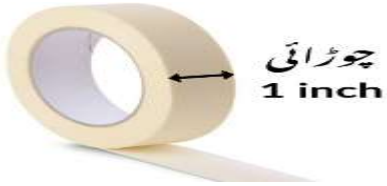
8.	AVN-503875	WRITING CROW No 4 To 16	Nos	Locally Available A/U "No" Refers To Set Of Brushes Nos 4,6,8,12,14,16		Paint marking
9.	AVN-NIV-D-34	DETTOL	ltr	Locally Available		For head set and misc cleaning
10.	114B2	GAS FERON (114B2)	KG	Imported Liquid Form		for used for filling fire extinguisher

11.	AVN-5031051-OLD	TEFLON TAPE	Rol	Locally Available		used for piping tread
12.	NVG-17-SW	SOLDERING WIRE	Rol	Locally Available		used for avionics repair
13.	12021-OLD	ABRASIVE CLOTH	Nos	P320D P320D it is grade of paper. Brand: Westin (local)		for used structural and assy surface for smoothness
14.	12022	ABRASIVE CLOTH	Nos	P80D P80D it is grade of paper. Brand: Westin (local)		for used structural and assy surface for smoothness

15.	AVN-503942	BRUSH GEN PURPOSE 2"	Nos	Locally available		Cleaning purpose
16.	AVN-503944	BRUSH GENERAL PURPOSE 4"	NOS	Locally available		Cleaning purpose
17.	AVN-NIV-M-191	MODELING CLAY	KG	Locally available		During TRB balancing
18.	DU PONT 762R	HARDNER (762R)	Kit	Imported A/U "Kit" Refers To Tube Quantity in each tube : 60 gm		used on structural before painting for smoothness of surface

19.	DU PONT 779R	PUTTY	KG	Imported 2KG Packing Req Company code P551-10060 AUTOCOLOR Company		used on structural before painting for smoothness of surface
20.	EXP-379	GLOVES COTTON	Prs	Locally Available Size 8		During assy cleaning
21.	AVN-503107	NAFRAS	Ltr	Imported Nefras C2 80/120 Degreaser (5 lit packing req)		Assy cleaning
22.	PWC11-009	ETHYL ALCHOL	Ltr	Imported Formula weight 46.07g/mol CAS no 64-17-5 Density 0.790 g/m at 20 °C (pure) or 0.81 g/ml (aqueous blends) Flash point 17 °C Colour Colorless pure liquid		Avionics plug cleaning

23.	RTV-102	SEALING COMPOUND	Tub	Tube Packing Required 82.8ml Only Imported Item will be accepted A/U "Tube" refers to 82.8 ml tube Brand: Momentive Performance Materials COO: USA Packing required: Collapsible aluminum tube of 82.8 ml		for used gen and TRU during assembling
24.	0.MM SHEET	EMERY PAPER	Nos	Locally Available No. 0		for used structural and assy surface for smoothness
25.	MIL-G-25537C	GREASE No 14	KG	- Imported Req - Brand: Aeroshell - Used for lubrication of TRH Mil Spec: MIL-G-25537C		lubrication during assembling of rotary and dynamic components
26.	AVN-503321	VARNISH	Ltr	Locally Available HOMEBRITE Synthetic clear varnish		For used on stabilizer cloth repairing and painting
27.	AVN-503816	ELFY (50 gm)	Nos	Locally Available 50 gm tube		used for avionics repair

28.	MK-8	PRESERVATION OIL	ltr	OM-11 Oil MK-8 NATO Code 0-135		Assys preservation
29.	AIR-4215	GREASE NO -6	KG	- Imported Req - Brand: Aeroshell - Used for lubrication purpose - Use for lub of landing gear legs Mil Spec: MIL-PRF-24139 NATO Code: G-382		lubrication during assembling of rotary and dynamic components
30.	7510-266-6713	TAPE MASKING 1"	Nos	Good quality - Local manufactured - Length 4.5" - Ht 1" - Font Black Background White		used during sealing compound
31.	AW-106	ARALDITE CEMENT	KG	(1Kg packing required) Brand: Huntsman imported		used for sheet metal
32.	AVN-366-16047-353	ACETONE	ltr	Imported		For fuel tank cleaning before black cloth install

33.	12011	ABRASIVE CLOTH EMERY	Nos	Locally available P.120D		for used structural and assy surface for smoothness
34.	AIR-4205B	GREASE NO 5	Kg	- Imported Req - Brand: Aeroshell - Altn art no 81322 - Use for lubrication of wheel hub Mil Sp MIL-G-3545C		Flt control sys
35.	AVN-NIV-C-132	CHINA GRAP PENCIL	Pkt	Locally Available 1 Dozen in each pkt		For marking in Sheet metal work
36.	NVG-17-12CT	CABLE TIE 12"	Pkt	Locally Available 100 pcs in each Pkt		For securing wire bunches
37.	8305-00-267-3015	CLOTH MALMAL	Nos	Locally Available A/U "Nos" Refers To Mtr Good quality		For cleaning of paint and primer

38.	AVN-5031003	PERMANENT MARKER (PAINT MARKER)	Nos	Locally Available Snow Man Marker 1 Required		For marking of hardware and assys
39.	AVN-503246	PRESERVATION SEALING BAG SMALL	Nos	Locally Available 3"x4"		For securing hardware of assys
40.	AVN-503247	PRESERVATION SEALING BAG MED	Nos	Locally Available 4"x5"		For securing hardware of assys
41.	AVN-503954	LOCK WIRE 1.4mm	Kg	Local Material Stainless Steel Dia 1.4mm Type Single Strain Finish Bright & Smooth corrosion resistant		For Locking assys nuts and plugs etc

42.	AVN-503955	LOCK WIRE 1.2mm	Kg	Local Material Stainless Steel Dia 1.2mm Type Single Strain Finish Bright & Smooth corrosion resistant		For Locking assys nuts and plugs etc
43.	AVN-503957	LOCK WIRE 1.0mm	Kg	Local Material Stainless Steel Dia 1.0mm Type Single Strain Finish Bright & Smooth corrosion resistant		For Locking assys nuts and plugs etc
44.	AVN-503958	LOCK WIRE 0.8mm	Kg	Local Material Stainless Steel Dia 0.8mm Type Single Strain Finish Bright & Smooth corrosion resistant		For Locking assys nuts and plugs etc
45.	AVN-503959	LOCK WIRE 0.6mm	Kg	Local Material Stainless Steel Dia 0.6mm Type Single Strain Finish Bright & Smooth corrosion resistant		For Locking assys nuts and plugs etc
46.	H4-PHD-0149	PAPER BROWN FOR MASKING	Roll	Locally Available 35 Inch x 25 Yards in each roll		For securing glass during painting and depainting

47.	PL-451	ALMINUM POWDER	Grm	Imported		Use for TDS
48.	AVN-NIV-C-190	FIRE EXTINGUISHER CYLINDER	Nos	Imported Clean Agent Model: HFC-236fa Capacity 0.6 kg Mfr Unifier corp NFPA Approved alternative of Halon 12115A13B C		Use in helicopter for firefighting purpose
49.	HV-953	ARALDITE HARDNER 953U	Kg	Brand: Huntsman imported Araldite HV 953U		used for sheet metal

50.	Avn-Exp-43034	BRUSH GENERAL PURPOSE 3"	Nos	Locally Available		For removing of Paint from assys and structure
51.	AEROSHELL 500	TURBINE OIL	Qts	Imported req Brand: AERO SHELL 500 TURBINE OIL Mil Specs: MIL-PRF-23699G NATO Code 0-156		For Lubrication of MGB, Engs, APU
52.	MIL-PRF-5606H	HYD Oil	Qrs	Product Name: HYDRAUNYCOIL FH 51 Type: Hydraulic Fluid Petroleum Base (Aircraft, Missile, and Ordnance) Manufacturer: NYCO S.A. NATO Stock / Code Number: H-515 Military Specification: MIL-PRF-5606H Joint Service Designation: OM-15		Use in Hyd System

53.	MIL-PRF-5606	HYD OIL	Ltr	Imported Brand: Aeroshell FLUID 41 Mil Specifications: Mil-PRF-5606J		
54.	X-1100-OLD	LUBRICATION OIL	Ltr	• Imported req • Brand: AERO SHELL • USED FOR LUB Tail drive shaft Mil Sp MIL-L-6082		Use in MRH, TRH
55.	SAE-140	LUBRICATION OIL	Ltr	3 ltr (Caltex) Local or imported item is required USED FOR Lubrication of COMPRESSOR & GPU		

56.	PR-1440B2	SEALING COMPOUND	Kit	Brand: PPG Aerospace Part A : 12 Oz (355 ml) Part B: 1.1 Oz (33 ml) Required Packing Used for prevent from corrosion/ sealing purpose		Use for sealing of upper dick and structure
57.	RTV-730	SEALING COMPOUND	Tub	Brand: DOW CORNING 90ml tube		gasket adhesive use in IGB, TGB, MRH
58.	EC-776	SEALING COMPOUND	Lit	Brand: 3M SCOTCH Weld EC-776 Fuel Resistant Coating EC- 776 (1 ltr packing) required		Sealing compound use in Main Fuel Tanks
59.	11-49/ PWC11-049	CORRISION INHIBITOR	Ltr	Brand: Ardrox 185 Imported		Use for compressor wash

60.	AVN-EXP-40649	EZI KLEAN	Ltr	Product Code CON-ATSG-030 EA Can 30Ltr		Use for cleaning of Hardware and assys
61.	ECS2338-10	CHEMICAL CONVERSION MATERIAL	Nos	A/U "Nos" Refers To Ltr Brand: BONDERITE M-CR 1201		Use before primer to portect parts from corrosion
62.	AVN-366-16047-98	FCR HARDNER	Ltr	Brand: Andrew Aero Flex		Use for 1st primer of assys and structure

63.	AS 004H	EP HARDNER	Ltr	Brand: Andrew		Use for 2nd primer of assys and structure
64.	AS006H /AVN-366-16047-381	HARDNER 07-50	Ltr	Brand: Andrew		Use in paint of assys and structure
65.	AS 004	EP PRIMER	Ltr	Brand: Andrew		Use for 2nd primer of assys and structure

66.	AS001 SC	SOLVENT CLEANER 39/4	Ltr	Brand: Andrew		Use for assys and structure before primer and painting
67.	AS012	UVR CLEAR 07	Ltr	Brand: Andrew		Use for shining of assys and structure
68.	AS006-S-YL	ANDREW AERODREW M07 SAHARA YELLOW	Ltr	Brand: Andrew		used for structure painting

69.	AS006-SL	ANDREW AERODREW M07 SILVER	Ltr	Brand: Andrew		Use painting of assys and structure
70.	AS006-FG	ANDREW AERODREW FINISH M07 FLAG GREEN	Ltr	Brand: Andrew		Use for colour scheme (Flag)
71.	AS006-M-BR	ANDREW AERODREW FINISH M07 MEDIUM BROWN	Ltr	Brand: Andrew		Use painting of assys and structure

72.	AS006-P-BL	ANDREW AERODREW FINISH M07 PALE BLUE	Ltr	Brand: Andrew		Use painting of assys and structure
73.	AS006-RE	ANDREW AERODREW FINISH M07 RED	Ltr	Brand: Andrew		Use for colour scheme
74.	AS006-WH	ANDREW PAINT WHITE	Ltr	Brand: Andrew		Use for colour scheme

75.	AS006-YE	ANDREW AERODREW FINISH M07 YELLOW	Ltr	Brand: Andrew		Use painting of assys and structure
76.	AVN-503306	PAINT NATO GREEN AERODREW FINISH M- 07	Ltr	Brand: Andrew		Use for colour scheme struture
77.	EP-T-10	THINNER EP-T- 10/EP013-0720	Ltr	Brand: Andrew		2nd primer thinner use in primer

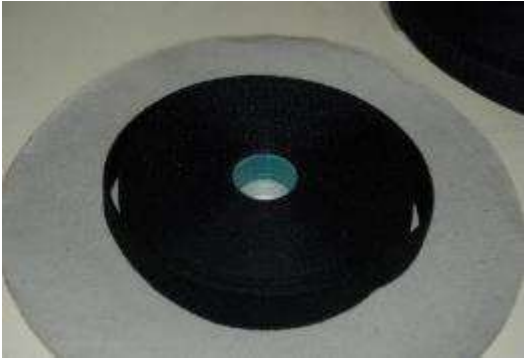
81.	AS006-BL	ANDREW AERODREW FINISH M07 BLACK	Ltr	Brand: Andrew		Structrue paint and assy
82.	AVN-503326	PAINT ENAMEL YELLOW	Ltr	Enamel Homebrite		Structrue paint and assy
83.	AVN-NIV-P-44	PAINT Enamel RED	Ltr	Enamel Homebrite		Structrue marking

84.	7920-ZO-250-0104-OLD	PAINT Enamel BLACK	Ltr	Enamel Homebrite		Structrue marking
85.	F-4904-OLD	PAINT WHITE	Ltr	Enamel Homebrite		Structrue marking
86.	AVN-5031061	PAINT LACQUER DARK BLUE	Ltr	VTI,Nitrocellolous. Code : Blue 6004		Structrue marking

87.	AVN-NIV-S-373	SPRAY PAINT WHITE DECO	Btl	Imported. MUBAH spray paint 400ml Bottle		use for avionics
88.	AVN-503320	SPRAY PAINT SILVER	Btl	Imported. MUBAH spray paint 400ml Bottle		use for avionics
89.	AVN-EXP-PB-1855	SPRAY PAINT 400ML BLUE	Btl	(Imported). MUBAH spray paint 400ml Bottle		use for avionics

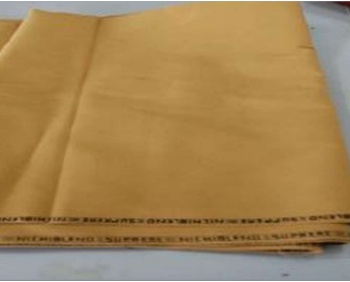
90.	AVN-NIV-S-370	SPRAY PAINT P/O RED DECO	Btl	(Imported. MUBAH spray paint 400ml Bottle		Used for fire pipes
91.	AVN-503948	SPRAY PAINT CAN GREY MATT	Ltr	A/U "Nos" Refers To Btl (400ml) Bottle Required Imported. MUBAH spray paint 400ml Bottle		use for avionics and sheet metal
92.	AVN-503514	Magzi Niwar Black	Mtr	Width : 1 inch Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample may also be provided with Tech Quotation		use in preparation uphostery seats ,belts

93.	AVN-503534	THREAD GREY NO 50	Tub	Locally Available 50 Number Thread. AU Tub refers to each thread roll.		use in preparation uphostery seats ,belts
94.	AVN-366-16047-63	Brushes1"	Nos	Locally Available Width 1 Inch Length 6 Inch		used for apply samad baund
95.	AVN-503584	DORI PARACHUTE 1/8"	Mtr	Locally Available		use in preparation uphostery seats ,belts

96.	AVN-NIV-V-37	VELCRO TAPE 1" M/F BLACK	FT	Locally Available A/U "FT" Refers To Mtr		use in preparation uphostery seats ,belts
97.	AVN-NIV-V-40	VELCRO TAPE Mail/Femail 2" BLACK	Mtr	Locally Available		use in preparation uphostery seats ,belts
98.	AVN-503511	LEATHER RITE REXINE BLACK	Mtr	Locally Available Width 4 Feet 8 Inch 'Good quality Sample May Be Collected/ Seen From 503ABW to Ensure Accurate Quotation. Sample may also be provided with Tech Quotation		use in preparation uphostery seats ,belts,pilot ,co- pilot seats

99.	AVN-5031011	AVIATION FELT 2MM	Sht	(40'x40')		use in preparation uphostery seats ,belts
100.	AVN-5031042	POLYESTER 250Gm	Mtr	3 Feet 9 Inch		use in preparation uphostery seats ,belts
101.	TPN-EXP-501/71-OLD	REXINE RED	Mtr	Width 4 Feet 8 Inch High quality rexine Sample May Be Collected/ Seen From 503ABW to Ensure Accurate Quotation. Sample may also be provided with Tech Quotation		use in preparation uphostery seats ,belts

102.	AVN-5031015	BUTTON PRESS	Doz	Good quality Locally Available		use in preparation uphostery seats ,belts
103.	AVN-503550	WEB STRIP RED 2"	Mtr	Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample Compulsory With Tech Quotation		use in preparation uphostery seats ,belts,taging
104.	AVN-503599	PARACHUTE CLOTH BLACK	Mtr	Width 4 Feet 8 Inch Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample may also be provided with Tech Quotation		use in preparation uphostery seats ,belts

105.	AVN-503542	WEB STRAP BLACK 2"	Mtr	Good quality Sample May Be Collected/ Seen From 503ABW to Ensure Accurate Quotation. Sample may also be provided with Tech Quotation		use in preparation uphostery seats ,belts
106.	AVN-NIV-V-36	VELCRO M/F WHITE 1 inch	Mtr	Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample may also be provided with Tech Quotation		use in preparation uphostery seats ,belts
107.	AVN-UPH- 5032291	COTTON CLOTH KHAKHI	Mtr	Width 4 Feet 4 InchGood qualitySample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample Compulsory With Tech Quotation		use in preparation uphostery seats ,belts

108.	AVN-NIV-W-154	WOODEN SCREW 1/2"	Pkt	100 screws in each packet.		use in preparation uphostery seats ,belts
109.	1969-503-076	THREAD BLACK CHAIN	Nos	50 Number Thread. AU Tub refers to each thread roll.		use in preparation uphostery seats ,belts
110.	AVN-5031019	COTTON DORY 1/8"	Kg			use in preparation uphostery seats ,belts

111.	AVN-5031053	THREAD WHITE NOS 50	Tub	50 Number Thread. AU Tub refers to each thread roll.		use in preparation uphostery seats ,belts
112.	AVN-503516	MASTER MOLTY FOAM 2x3x6	Sht	Company : Master Molyfoam Only		use in preparation uphostery seats ,belts
113.	AVN-503517	MASTER MOLTY FOAM 4x3x6	Sht	Company : Master Molyfoam Only		use in preparation uphostery seats ,belts

114.	AVN-503532	THREAD BROWN NO 50	Tub	50 Number Thread. AU Tub refers to each thread roll.		use in preparation uphostery seats ,belts
115.	AVN-503591	TAILOR CHALK	Pkt	10 Nos		use in preparation uphostery seats ,belts
116.	AVN-503885	SHOE RING LARGE	Doz			use in preparation uphostery seats ,belts

117.	AVN-UPH-5032290	HOOD CLOTH BLACK	Mtr	Width 4 Feet 4 Inch Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample Compulsory With Tech Quotation		use in preparation uphostery seats ,belts
118.	AVN-503972	PARACHUTE BLACK JAPANI	Mtr	Width 4 Feet 8 Inch Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample Compulsory With Tech Quotation		use in preparation uphostery seats ,belts
119.	AVN-503585	REXINE BROWN LEATHER	Mtr	Width 4 Feet 8 Inch Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample Compulsory With Tech Quotation		use in preparation uphostery seats ,belts,cargo compartment

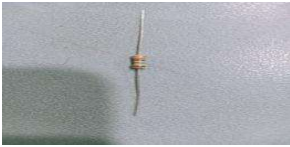
120.	1969-503-093	VELCRO M/F 2"	Mtr	Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample Compulsory With Tech Quotation		use in preparation uphostery seats ,belts
121.	AVN-503596	THREAD BLUE NO 50	Tub	50 Number Thread. AU Tub refers to each thread roll.		use in preparation uphostery seats ,belts
122.	1969-503-186	ZIP NO 10 WITH HOOK	Nos	Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample Compulsory With Tech Quotation		use in preparation uphostery seats ,belts

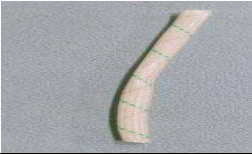
123.	UP1669-503-185	ZIP WITH HOOK NO 5	Mtr	Good quality Sample May Be Collected/Seen From 503ABW To Ensure Accurate Quotation. Sample Compulsory With Tech Quotation		use in preparation uphostery seats ,belts
124.	AVN-503881	MASTER MOLTY FOAM 1/8x3x6	Sht	Company : Master Molyfoam Only		use in preparation uphostery seats ,belts
125.	WX-1488	BRUSH WIRE ROTARY BRASS (Dia 4½)	Nos	Material Brass Dia 4 ½		Cleaning of uphostery seats

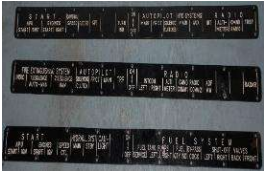
126.	AVN-NIV-W-155	WOODEN SCREW 3/4"	Pkt	100 Nos Each Pkt		use in preparation uphostery seats ,belts
127.	AVN-503572	Aviation Grade Carpet(Blue)	SQF	A/U Refers To Ft square		used for cockpit
128.	AVN-366-16047-366	LEATHER COW LIGHT BROWN	Kg			use in preparation uphostery seats ,belts

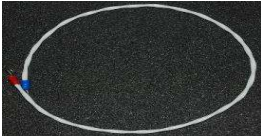
129.	BISON KIT CAN 650ML	Adhesive OEM Ref No Bison Kit Can 650 ML, Aviation Expendable, RW,MI-17, Bison, Netherland	Nos	Brand: BISON 650ml Packing RequiredContact Adhesive.Imported		use in uphostery seats and celling
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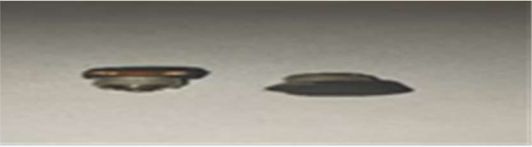
NVG ITEMS LIST FOR MI-17 HEL

Ser	Part no	Nomenclature	A/U	Tech Specification Detail	Picture	Remarks / Addl info
1	NVG-17-4G	LED Green 4mm	Nos	Input voltage 3.6 Vdc green illumination		
2	NVG-17-3G	LED Green 3mm	Nos	Input voltage 3.6 Vdc green illumination		
3	NVG-17-4W	LED White 4mm	Nos	Input voltage 3.6 Vdc green illumination		
4	NVG-17-R1.4K	Resistor 1.4 KOHM	Nos	Resistance rating 1.4KΩ		
5	NVG-17-R160	Resistor 160 OHM	Nos	Resistance rating 160Ω		
6	NVG-17-R1501W	Resistor 150Ω,1W	Nos	Resistance rating 150Ω,1W		

7	NVG-17-E2	Elfie 50gm	Nos	ELFY company GSMA 50gm		
8	NVG-17-PCB20	PCB	Nos	Printed circuit board		
9	NVG-17-GS2mm	Glass sleeve 2mm	Mtr	Glass sleeve size 2mm used for protect the resistance		
10	NVG-17-SP	Soldering Paste 50/150 gm	Pkt	DEXLE company (Neutral PH7±0.3)		
11	CV-200A	Cable Tie 6" (TAIWAN)	Pkt	size = 6inch (100 pcs each pkt)		
12	NVG-17-TI	Thimble "I" Type 2.5mm	Pkt	Thimle Shape I type size = 2.5mm		
13	NVG-17-TO	Thimble "O" Type 2.5mm	Pkt	Thimble shape O Type size (2.5mm)		

14	NVG-17-HS.PLATE	Heat Sink Plate	Nos	For protect IR led from heat		
15	NVG-17-HSP	Heat Sink Plate	Pkt	Heat sink paste OEM no 3430CT High Temp Conductivity 300 degree celsius		
16	NVG-17-3PS	Three Position Switch	Nos	Three Pos Sw Suitable for 28 Vdc and 5 Amp		
17	NVG-17-ST2	Silicon Tube	Pkt	Silicon tube used to prevent from shortage of Led points		
18	NVG-17-CBPSP	Circuit Breaker Panel Strip Plate	Nos	PVC plastic strips used for indicating the toggle switch location		
19	NVG-17-TRPP01	TRP Indicator Plate	Nos	TRP PVC plastic plate		
20	NVG-17-NFLP	NAV/ FORMN Light Plate	Nos	PVC plastic used for indicating the toggle Sw function		
21	NVG-17-SPLICE	Splices	Dozen	OEM Part No:D436-37 Good quality and used for Joint 2 wires		

22	NVG-17-IRLED1.4V	IR LED (1.4 V)	Nos	input voltage 1.4vdc		
23	NVG-17-PS	Power Supply	Nos	Part No: 01008061 (Input voltage 28Vdc Output voltage 2Vdc to 28Vdc)		
24	NVG-17-C450	Cable	Ft	OEM AIRBUS 985772-040K10D used for Connection of all bulbs and Components OF NVG mod		
25	NVG-17-WSAND	White Sand	Nos	used for bonding Led PCB and Bulb holder		
26	NVG-17-R1100	Resister 1100 Ω 1/8 Watt	Nos	Resistance rating 1100 Ω 1/8w		
27	NVG-17-R1.2K1W	Resister 1.2 K Ω 1 Watt	Nos	Resistance rating 1.2 K Ω ,1w		
28	NVG-17-SI60W	Soldering Iron (60W)	Nos	DEXLE company solder iron power rating 60W		
29	AVN-NIV-M-79	Male Female Plug	Nos	NVG wire connection b/w Tail boom & Cargo compartment		

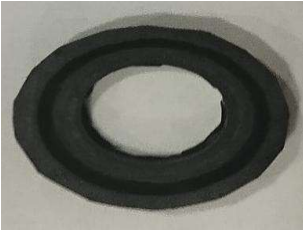
30	APM-4	LIGHT FILTER	NOS			
31	CB-4	GREEN LIGHT FILTER	NOS			
32	CM-6,3-1,4	LAMP	NOS			
33	NVG-17-RR1100	RESISTOR 100 OHM	NOS			

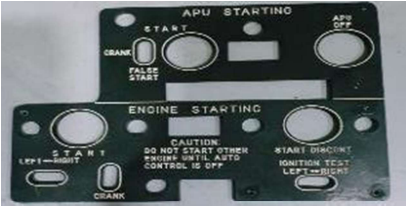
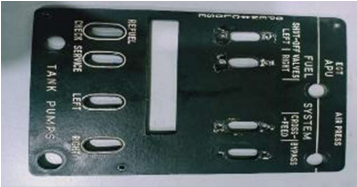
COCKPIT LIGHT PLATES AND FURNISHING ITEMS

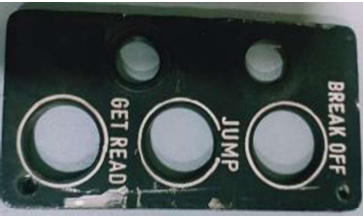
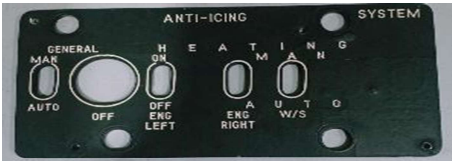
1	EMBLEM-MI-17-PRG	GRAPHICAL TABLE POWER RATING OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	STAINLESS STEEL SHEET SIZE Length=10.5cm Width =10.0cm		
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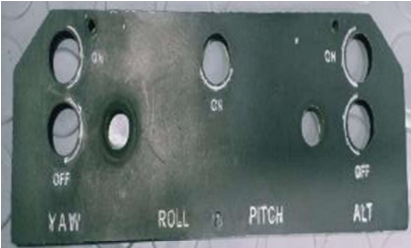
2	EMBLEM-MI-17-SLG	GRAPHICAL TABLE SPEED LIMIT OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	STAINLESS STEEL SHEET SIZE Length=13cm Width =7.5cm		
3	EMBLEM-MI-17-HCT	CONVERSION TABLE HEIGHT OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	STAINLESS STEEL SHEET SIZE Length=13cm Width =10.5cm		
4	EMBLEM-MI-17-OHP	OVERHAUL PLATE OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	STAINLESS STEEL SHEET SIZE Length=12.5cm Width =10 cm		
5	EMBLEM-MI-17-MONO	MONOGRAM OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	Mongram Diamter=6cm		

6	EMBLEM-MI-17-DT	STICKER DOUBLE TAPE OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	Double tape sticker used for Components description		provide as per sample
7	EMBLEM-MI-17-PVCF	FILTER PVC OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	PVC Filter used in warning caution lights & lamp test		provide as per sample
8	EMBLEM-MI-17-FTG	GLASS TANK OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	glass indicator used in tank full light		provide as per sample
9	EMBLEM-MI-17-LP	PLATE LIGHTING OEM REF NO EMBLEM-MI-17-PRG,RW,MI-17,503 AVN BASE WKSP PAKISTAN	NOS	Light plate used for toggle switches and breaker indication		provide as per sample

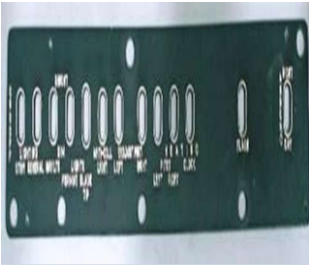
10	EMBLEM-MI-17-TS	POLYTHENE SHET TRANSPARENT OEM REF NO EMBLEM-MI-17-PRG,RW,MI- 17,503 AVN BASE WKSP PAKISTAN	NOS	used in Inst panel and circuit breaker lights		provide as per sample
11	8AT-7510-010	Mirror LH	NOS	convex chrome mirror used for viewing main rotor blade span and tail boom approach		provide as per sample
12	452.206	Sealing ring	NOS	Rubber provide water resistant to Light filters		provide as per sample
13		Clamp Rubber	Feet	use for tightening the Electrical wire Bunches		provide as per sample

14	8AMT.7210.344	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
15	8AMT.7210.193	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
16	8MT.7210.301	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
17	8AMT.7730.073	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample

18	8AMT.7730.076	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
19	8AMT-7210-452	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
20	8AMT.7210.192	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
21	8AMT.7210.111SB	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample

22	8AMT.7210.81.005	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
23	8AMT.7730.071	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
24	8AMT.7210.357SB	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
25	8MT.7210.343	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample

26	8AMT.7730.280	LIGHT PLATE	Nos	PVC plastic materialused for indicating the function of cockpit toggle switches		provide as per sample
27	8AMT.7210.051	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
28	8AMT.7210.263	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
29	8AMT.7730.074	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
30	8AMT.7210.343	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample

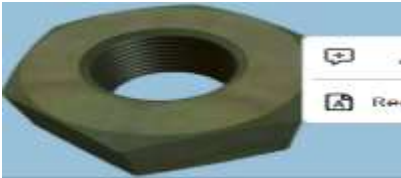
31	8AMT-7210-451	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
32	8AMT.7730.072	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
33	8AMT-7210-263	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample
34	8MT.7210.357SB	LIGHT PLATE	Nos	PVC plastic material used for indicating the function of cockpit toggle switches		provide as per sample

List of Spares – Rel / Op Mechanism Bambi Bucket

Ser	P/N	Nomen	A/U	Qty	Rationale	Pics	Remarks
1	7277-10-2	Circuit Breaker	Nos	1	7274-2-3MS26574-3 KLIXON sensate Tech Fuse amp upto 10amp (pop out)		
2	GP-SIGTA-00018	Circuit Breaker (10 Amp)	Nos	1	MS35058-23 8810K15 Circuit breaker amp upto 10amp		
3	MS25041-4	Light indicator	Nos	1	Code AD16-16C Input voltage AC/DC 24≤ 20mA Red light indicator		
4	6210-00-284-0289	Light indicator	Nos	1	Code AD16-16C Input voltage AC/DC 24≤ 20mA		
5	360PS01-A-5-F	Push Button (Spring Loaded)	Nos	2	12-24V AC/DC Push button Spring Loaded Stainless Steel Material		

6	TKD12PODGB	Contactor	Nos	1	60.12.9.024.0040 FINDER company Input Voltage 24VDC / 250VAC 10 Amp		
7	0577061-000	3 Pin Plug	Nos	1	3 pin male female plug Stainless steel Material		
8	AVN-GSE-786042	2 Pin Elect Plug	Nos	1	2 pin male female plug Stainless steel Material		
9	985710-100k	Cable Electrical	Mtr	20	Single Core Wire with current capacity 10 Amp As per Sample		
10	AVN-EXP-4914	Shrinkable Sleeve 5 mm	Nos	2	Shrinkabl sleeve size 5mm		
11	5801226-001	Terminal strip	Nos	1	Code TB-2506L Voltage Capacity 600V-25A 6 Pair Strip		

12	GP-SIGTA-02873	Digital Voltmeter	Nos	1	Code ZN56-TV2-V2.5 Operated Voltage 30VDC with Digital Display		
13	AVN-NIV-T-173	Cable Tie 4"	Pkt	1	4 inch (100 pcs each pkt)		
14	G-030936	Cable Tie Medium 8"	Nos	100	8 inch (100 pcs each pkt)		
15	56-5501-009	Hand Grip	Nos	1	Hard Plastic Material wih Foam coating Remote Button Grip		
16	204-050-154-1	Pin connector	Nos	1	item cod P20K2Q 2 pin Connector Male / Female		
17	MS25036-111	Terminal Leg	Nos	6	thimble shape U Type size (2.5mm)		

18	8A-7210-452	Light plate	Nos	1	HL 5000 Con panel		
19	2024PLT3EP01.2MM	Sheet (1.2mm) Aluminum Base (20 x 24 cm)	Sheet	1	Aluminum Alloy Sheet thickness 1.2mm		
20	S1741-3	Anchor	Nos	10	Anchor size 5mm Stainless steel Material corrosion free		
21	HB1-205G-M5-18	Screw (5mm)	Nos	10	Stainless steel Material corrosion free dia 5mm length 12mm		
22	3-10-KD-OCT1-31522-80	Screw	Nos	15	Stainless steel Material corrosion free dia 3mm length 10mm		
23	3341A-8	Nut	Nos	15	Stainless steel Material corrosion free dia 3mm		

24	3162A-4-9KD	Screw (4 mm)	Nos	2	Stainless steel Material corrosion free dia 3mm length 10mm		
25	3551A-2.6-18	Rivet Countersunk (2.6 mm)	Nos	30	Countersunk head dia 2.6mm length 10mm aluminium material		
26	3549A-3-18	Rivet Countersunk (3 mm)	Kg	0.2	Countersunk head dia 3mm length 10mm aluminium material		
27	AVN-NIV-A-227	Angle (1.5 cm)	Ft	2	Aluminum material length 2 feet		

Ser	Part No	Nomen	A/U	Nos	Purpose	Photo
1.	UV-559	Flux paste (Soldering flux lead free)	Nos	03	To ensure proper soldering during reflow process	
2.	850 Pro	Mechanic 850 Pro Conformal coating)	Nos	03	Removal of conformal coating	
3.	SKU ICI-0111	Dulac Thinner	Nos	03	Mixed in equal qty to form conformal coating	
4.	1B31 PB23-5L	Humiseal (PCB Coating)	Lit	05		
5.	00Z1757	Heat sink compound Dow Corning 340	Nos	02	Thermal paste use for effective heat dissipation	
6.	230271003	Thermal Pads	Nos	08	For effective heat dissipation	