

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-2 dated 14 Jul 2026	Misc	(List attached as Annexure A to F)	30 Days for Local Stores & 90 Days for Foreign Stores	30 July 2026 at 1030 Hrs	30 July 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)
Misc	Annexure A to F (Technical)	Annexure A to F (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**

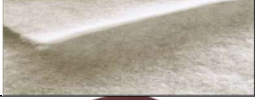
- a. Rate including taxes / duties.
- b. Delivery period of each item.
- c. Offer validity till **30 June 2027**.
- d. Performance guarantee.
- e. Clarify shipping plan (By Air / Sea).
- f. Specify warranty period.

For further details contact.

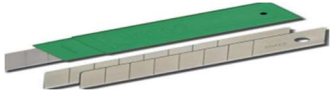
Phone: 051-5686289 or Visit Web site www.ppra.org.pk

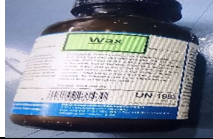
EXPENDABLES

Ser	Part Number	Nomenclature	A/U	Required Quantity	Detailed Specifications	Photo	COO
1.	897186	Thermal Conductivity of silica gel	Nos	47	P12 Past 90 ML Thermal Silica Gel		Imported/ China
2.	GWRHZ	High Tempearture Grease	Kilogram	46	Bearing System Lubrication - High Temperature Synthetic Grease (Company Lubricants)		Imported/ China
3.	Glue 502	Glue 502	Nos	90	Super Glue Adhesive 502 Quick Dry 50 ML		Imported/ China
4.	242	Loctite 242	Nos	51	Loctite 242 Thread lock Blue Liquide 50 ML Bottle		Imported
5.	GB/T 678-2003	Ethyl Cleaner	Liter	36	Ethylene Glycol Cleaning Solvent 3.5 Lit can (Company AL clean Pakistan)		Pak
6.	NIV-5338	Cotton Regs (fine T-Shirt without buttons)	Kilogram	500	Use for Cleaning (Gen purpose)		Pak
7.	K&N-1	K&N Air Filter Cleaning Agent	Set	40	K&N Air Filter Cleaning Agent kit		Imported/ China
8.	ID-1626	LOCTITE 243	Bottle	51	Loctite 243 Thread lock Blue Liquide 50 ML Bottle		Imported/ China
9.	HYQQX-01	Carburetor Cleaning Agent	Nos	120	Professional Carburetor Cleaner Non Corrosive Cleaning Agent for Carb (Company Ultrasonic Cleaner)		Imported/ China

10.	Adrox-6345-OLD	Cleaning Solvent	Liter	87	Dry Cleaning Solvent upholstery Cleaning 25 lit can Company Ultrasonic Cleaner)		Imported/ China
11.	C-SHA-16H	CLAMP	Nos	429	Clamp Dia 16		Pak
12.	C-SHA-22H	CLAMP	Nos	489	Clamp Dia 22		Pak
13.	MIL-L-23411	WD-40	Bottle	52	WD 40 Redesigned for Easy recognition 400 ML Bottle		Imported
14.	1-000-Gen-191	BREATEX NON-WOVEN ABSORBOR 150G/M2 (10M)	Nos	20	Item req in 10 m piece in numbers		Pak
15.	1-000-GRP-70	Abrasive Cloth P80	Mtr	100	Abrasive Cloth size P80		Pak
16.	1-000-GRP-71	Abrasive Cloth P120	Mtr	100	Abrasive Cloth size P120		Pak
17.	1-000-GRP-72	Abrasive Cloth P180	Mtr	130	Abrasive Cloth size P180		Pak
18.	1-000-GRP-192	PERFORATED FILM POLYPROLINE (P3) 10M	Mtr	16	PERFORATED FILM POLYPROLINE 10 Mtr roll		Pak
19.	1260.99.080.205-00	Silicon Remover (1 Liter)	Liter	30	541-5 wax and Silicon remover 1 Lit can (Glasuirt Company Pak)		Imported
20.	ID 5973	Brush Size No 02	EA	1000	Lamination brush req for Composit process		Pak
21.	ID 6869	EPOXY RESIN L-286 BLUE	Kilogram	40	Epoxy Resin EPIKOTE MGS LH 286		Imported/ China
22.	ID 6868	EPOXY RESIN 285	Kilogram	50	Epoxy Resin EPIKOTE MGS LR 285		Imported/ China

23.	57606	NORTON ABRASIVE CLOTH P-320	Mtr	100	Back side of cloth is Foam		Pak
24.	57602	NORTON ABRASIVE CLOTH P-240	Mtr	100	Back side of cloth is Foam		Pak
25.	50331	3M 216U ABRASIVE CLOTH FOAM P-180	Mtr	100	Back side of cloth is Foam		Pak
26.	8010-zo-250-2455	SPIRIT 1 LIT	Liter	31	Item req in 1 liter (Company Ultrasonic Cleaner)		Imported
27.	05696-00010	DOUBLE SIDED ADHESIVE TAPE	Roll	51	Item req in 10 Meter length and 50 mm dia (Company Lord Tapes)		Pak
28.	Carbon Fiber Cloth 1K	CARBON FIBER CLOTH	MTR	105	Plain Wave 1K Carbon Fiber Cloth 1m (39") - Easy Composites		Imported/ China
29.	Carbon Fiber Cloth 3K	CARBON FIBER CLOTH	MTR	105	210g Plain Weave 3K Carbon fiber Cloth 1m, 1.25 - Easy Composites		Imported/ China
30.	ID 6219	Carbon UD Tape	Mtr	100	Unidirectional Carbon Tape of 175 g/m (100 mm wide)		Imported/ China
31.	7796	Glasurit Fine Body Filler	Kilogram	15	839-20 Multi-purpose Body Filler Glasuirt Fine Body Filler 1.4 kg packing		Imported/ China
32.	ID 7797	HARDENER PASTE ROD FOR FILLER GLASS	Tube	15	Glasuirt 948-36 hardner Past 50 gm tube		Imported/ China
33.	ID 5947	Celerol Thinner (5 kg)	Kilogram	20	352-91 Reducer normal Glasuirt 5 kg can		Imported/ China
34.	ID 7787	Mold Release Agent 1 Lit	Liter	50	Havel Composites ESHOP Mould release agent PVA - spreading R+G/ 165 110 1 lit Bottle		Imported/ China

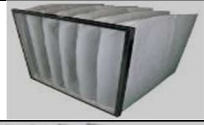
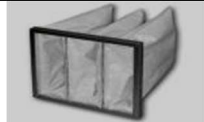
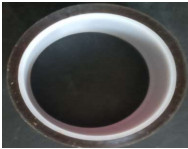
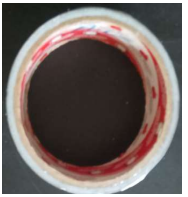
35.	ID 6725	Rip off Fabric Fine 10 Mtr	Mtr	10	Red Nylon Tear - off Fabric - width 80 cm (Company Rip Stop)		Imported/ China
36.	3903103	Vacuum Film RI 200cm (20M)	Mtr	10	70 g/m vacuum bagging Film (Width: 400 cm) HP-VF70/400		Imported/ China
37.	NIL-C-9084	Soft Cleaning Cloth	Nos	50	Cotton Duster Cloth Cleaning Size: 88x75x55cm		Pak
38.	1.000-GRP-09	Protection Lotion	Bottle	15	Body Lotion Deep Hydration for Dry Skin 240 ML Bottle (Company Vince Care)		Pak
39.	1-000-GRP-84	DERMAL SLOT CUTTER	Nos	20	Dremel 9901 Tungsten Carbide Cutter, 1/8" Bit Dia x 1/2L L, Teal, Each / EIS (Company Artistry Industry)		Pak
40.	NIV-1200	SPARE BLADE LARGE (10 PCS)	Nos	3	Cutter Blade Large 10 Pcs in Box Blade size is 6 inch, set (Company Artistry Industry)		Pak
41.	NIV-09-OLD	SPARE BLADE SMALL (10 PCS)	Nos	3	Cutter Blade Small Size is 4 inch, 1 pack consists of set of 10 pcs (Company Artistry Industry)		Pak
42.	1-000-GRP-73	Hacksaw Blade 12"	Nos	5	Hand hack saw blade KOMBI - plainmatel - Productin of bimetal band saw (Double Edge)		Pak
43.	ID 6284	MIXING CUP APET	Nos	995	Graduated Plastic Cup Oz - Ark composites transparent Disposable Cup (medium Size of 250 ML capacity)		Pak
44.	ID 7788-OLD	RML UNIVERSAL FILLER SPARY	Bottle	55	151-170 SD UV Primer Filler Spray can, Grey 400 ML bottle		Imported

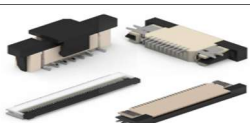
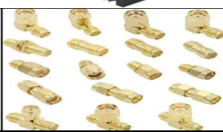
45.	UHU-OLD	ADHESIVE EPOXY UHU	Tube	28	UHU Adhesive, Wood Strong Adhesive, liquid model, metal versatile adhesive for repairing use 120 ML tube		Imported/ China
46.	ID-4030	FAST GLUE	Nos	100	GMSA Elfy Super Glue - transparent 20 GM		Pak
47.	ID 3470	Activator Spray	Bottle	43	Activator Spray for Cyanoacrylates / R&G Faserverbundwerkstoffe Gmbh 400 ml bottle		Imported/ China
48.	ID 6331	Ply Wood 1 mm 500x1000mm	Nos	20	Ply wood size 1 mm 500 x 1000mm		Pak
49.	ID 6333	Ply Wood 2 mm 500x1000mm	Nos	20	Ply wood size 2 mm 500 x 1000mm		Pak
50.	ID 6088	Ply Wood 4 mm 500x1000mm	Nos	20	Ply wood size 4 mm 500 x 1000mm		Pak
51.	1-000-Gen-193	Arex Sheet 2mm (2x0.5m)	Nos	30	Arex Sheet size 2mm (2x0.5m)		Pak
52.	ID 5974	Brush No 05	Nos	900	Lamination brush no 5 in filber glass		Pak
53.	V1T-61	Saw Blade Round	Nos	4	Alloy Band saw blade, shape: Round (Company Artistry Industry)		Pak
54.	V1T-67	Scraper 80mm	Nos	10	Scraper 80 mm S80		Pak
55.	ID 6114	Wax	Liter	50	Mold Release agent - Cleaner (Company Ultrasonic Cleaner)		Imported/ China
56.	3401082	Moltopren Replacement roller 10 mm (Pak of 10 pcs)	Nos	10	Epifnases Moltopren Roller Cover 4 inch - Noah's Marine		Pak

57.	3401102	Non-Woven Roller 100 m (Pack of 10 pcs)	Nos	10	Roller Roll made of Non-woven fabric 100x100x19 mm		Imported/ China
58.	3251203	Lamination Brush 10 mm (pack of 100 pcs)	Nos	2	Lamination / Adhesive application brush size 10 mm		Pak
59.	3251283	Lamination Brush 20 mm (pack of 100 pcs)	Nos	2	Lamination / Adhesive application brush size 20 mm		Pak
60.	WBQXJ-01	External Engine Cleaning Agent	Nos	40	External Cleaning Agent 400 ML bottle		Imported/ China
61.	B-066082	SOLDER WIRE; SN-62? 1.2MM 500G ERSIN362	Roll	5	Soldering wire 0.4 mm to 0.5 mm 25 AWG Kester Company		Imported/ China
62.	1-000-Gen-445	Soldering Paste leaded solder flux	Nos	8	Soldering paste Chipquik SMD 291AX T3 Solder Paste		Imported/ China
63.	B-111900	Loctite 243	Nos	13	Loctite 243 Thread lock Blue Liquide 50 ML Bottle		Imported
64.	B-082876	Loctite 648 green,5 GR	Bottle	6	Loctite 648 Threadlock Blue Liquide 50 ML Bottle		Imported
65.	B-077213	Replacement Filter	Nos	2	R12T Fuel Filter / Water Separator replacement Element		Imported/ China
66.	AVN-503895A	NITROGEN GAS PAYLOAD	Kilogram	200	Req for refill of 40 kg nitrogen cylinder (only Gas Refilling)		Pak

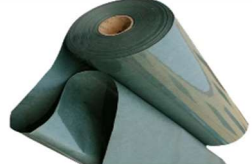
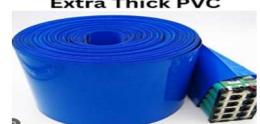
67.	AVN-503895A1	NITROGEN GAS AIFRAME	Kilogram	160	Req for refill of 40 kg nitrogen cylinder (only Gas Refilling)		Pak
68.	297434	Loctite Anti-seize 8151	Nos	11	Loctite 8151 Thread lock Blue Liquide 400 ML Bottle		Imported/ China
69.	Avn-NIV-S-365	Spray Paint Bottle Gray	Bottle	50	Aerosol Spray Paint Pure Color Gray 400 ML Bottle		Pak
70.	A-068206	Lubricating Oil	Liter	576	Aero Shell Sport Pulse 4 Eng Oil 1 Lit packing		Imported/ China
71.	MT-1280	One way pair of Gloves	Pair	450	Disposal Working Gloves - Sai Mosaic		Pak
72.	1-000-GRP-155	Ceiling Filter (310x197 cm)	Nos	2	Celling Filter - Paint Booth Celling fiber		Pak
73.	1-000-GRP-156	Air Filter	Nos	2	Conmprased air filter Element (Company MANN)		Pak
74.	1-000-GRP-157	Oil Filter	Nos	2	Oil Filter Touring Models - Black (Company MANN)		Pak
75.	1-000-GRP-158	Oil Separator Filter	Nos	2	Oil Separator filter for air Compressor (Company MANN)		Pak
76.	GSE-8296	Apron	Nos	10	Normal size apron of blue color		Pak

77.	G-022594	Packing Tape 3"	Nos	53	Packing Tape Nichiban / Sensa 3"		Pak
78.	G-013598	Masking Tape 1"	Nos	149	3M/ Strong Stick		Pak
79.	7510-226-6712	Masking Tape 2" (5 Meter)	Roll	78	3M/ Strong Stick		Pak
80.	Avn-503312	Black Paint Spray (400 ml)	Bottle	50	MUBH Spray paint - Matt Black 400 ML bottle		Pak
81.	8520-00-228-0598	SOAP LIQUID	Bottle	50	Paradise liquid soap Orange 500 ml bottle (Maaldo)		Pak
82.	G-030936	Cable Tie (Medium) 8"	Pkt	8	cable tie Medium in size		Pak
83.	AVN-5232250	Cable Tie (Large) 12"	Pkt	7	cable tie Large in size		Pak
84.	G-023600	Cable Tie (Small) 6"	Pkt	10	cable tie Smalls in size		Pak
85.	B-065960	Contact Cleaner	Nos	52	Contact Cleaner Deox IT D5 Spray (400 ML Bottle)		Imported/ China
86.	8040Z03533232	MAGIC EPOXY,MEDIUM	Nos	33	Magic Epoxy (Resin + Hardener) 50 ml bottle		Imported/ China
87.	1-000-Gen-21	PACKING TAPE 2"	Roll	50	Item 2 inch widh and 5 meter length		Pak
88.	0,40-OLD	NC Thinner UN 1263	Liter	50	Primax Regal NC Thinner 4 Lit can		Pak

89.	AVN-NIV-G-47	Glint 500 ml (MINO)	Bottle	40	Glint Glass cleaner 500 ml bottle		Pak
90.	ID 4651	TAPE FABRIC BLACK 1	Roll	5	Burooj Cloth Tape 1x10Y		Pak
91.	NIV-4651-2	TAPE FABRIC BLACK 2"	Roll	50	Burooj Cloth Tape 2x20Y		Pak
92.	1-000-GRP-422	INTAKE FILTER (POCKET FILTER) WITH FRAME OF HARD SHEET COMB OF 6 PICES	Nos	2	Pocket filter of Size:590x592x300 mm		Pak
93.	1-000-GRP-423	INTAKE FILTER (POCKET FILTER) WITH FRAME OF HARD SHEET COMB OF 6 PICES	Nos	2	Pocket filter of Size:590x592x300 mm		Pak
94.	1-000-GRP-424	INTAKE FILTER (POCKET FILTER) WITH FRAME OF HARD	Nos	2	Pocket Filter of Size:490x592x300 mm		Pak
95.	FX12411624	BGA Rebailing Stencil	Nos	6	Amaoe universal stencil BGA reboling 0.3 mm, 0.2 mm & 0.5 mm		Imported/ China
96.	Avn-503965	Heat Resistance Tape	Roll	20	Kapton tape 3M 5413 polyimide film tape	 	Imported/ China
97.	Avn-503779	Aluminum Tape	Roll	20	Aluminum tape 3M 425 Acrylic Adhesive	 	Imported/ China

98.	1-000-AV-80	Soldering wick	Nos	20	Chemtronics Soldering Wick 1.5 MM to 2.8 MM		Imported/ China
99.	Y5TZ-289	Soldering Tip	Nos	20	Mechanic Soldering Tips 0.2mm (I,SI)		Imported/ China
100.	6810009268993	Isopropyle Alchole,OEM Ref no TT1735,RADAR Set,Skyguard, Federal Specifications Promulgated by General Services, USA	Btl	15	824-1G MG Chemicals (99.9% pure IP Alcohol)		Imported/ China
101.	8309-850ML	Conformal Coating Removal	Btl	10	MG Chemical 8309/8310A Series		Imported/ China
102.	419E-1L	Conformal Coating	Btl	10	MG Chemical 419E (1100 V / ML)		Imported/ China
103.	SMD291AX	Nano Soldering Paste	Nos	35	Chip Quick (SMD291AX Series-type 5)		Imported/ China
104.	NC-559-V2-TF	Flux Past	Nos	35	AMTECH NC-559-V2-TF (No Clean)		Imported/ China
105.	687001	FFC Cables Kit	Nos	50	WURTH Elecktronik WR-FFC Design Kit		Imported/ China
106.	43223-1197	SMA Connector Kit	Nos	50	Pasternack SMA Connector Kit (up to 18 Gh)		Imported/ China

107.	236923	PLA Black Spool	Roll	25	Ultimaker PLA Black Spool (750 gm,2.85 mm)		Netherlands
108.	211399	PLA Grey Spool	Roll	25	Ultimaker PLA Grey Spool (750 gm,2.85 mm)		Netherlands
109.	202300	Tough PLA Black Spool	Roll	25	Ultimaker Tough PLA Black Spool (750 gm,2.85 mm)		Netherlands
110.	235283	Tough PLA Grey Spool	Roll	25	Ultimaker Tough PLA Grey Spool (750 gm,2.85 mm)		Netherlands
111.	211511	Carbon Fiber PLA Spool	Roll	20	Ultimaker CF PLA Spool (750 gm,2.85 mm)		Netherlands
112.	235802	Carbon Fiber Nylon Spool	Roll	10	Ultimaker CF Nylon Spool (750 gm,2.85 mm)		Imported/ China
113.	PVA-9731	PVA Natural	Roll	20	Ultimaker PVA Natural Spool (750 gm,2.85 mm)		Imported/ China
114.	80-227635	Glass Plate for 3D Printing	Nos	2	Ultimaker Safety Glass Plate (356 mm x 278 mm)		Imported/ China
115.	CX-H1300	Thermal Putty	Nos	20	CX H1300 Thermal Putty 30.5 W/ M.K		Imported/ China
116.	KNG ACDC-01	Freez Spray	Btl	15	V9 Freez Spray		Imported/ China

117.	Mechanic X22	Solder Scraper	NOs	20	Mechanic X22 High Toughness Tin Scraper		Imported/ China
118.	SX-R 20-1	Near Field Probes	NOs	10	Langer EMV-Technik (SK Series-up to 20 GHz)		Imported/ China
119.	Mechanic XZ10	BGA Soldering Balls	NOs	15	Mechanic Soldering Balls (0.2,03,0.4,0.5 mm)		Imported/ China
120.	AM-FS62	Fish Paper	Mtr	30	American Micro Industries Strength 400-600 V/mil		Imported/ China
121.	885090	SMD Capacitor	Nos	15	Würth Elektronik (WCAP-CSGP Design Kits)		Imported/ China
122.	XT60H	XT60 Connectors	Nos	40	Amaas XT60H		Imported/ China
123.	S200/S02	Solder Sleeves	Nos	50	Raychaem S200 / S02 Series		Imported/ China
124.	411627392	Heat Shrink Sleeves	Mtr	20	Heat Shrink Sleeves (150,200,250,300 mm)		Pak
125.	NIV-5016	Insulation Tape Black (5 Mtr)	Roll	25	Burooj Cloth Tape 5x50Y		Pak
126.	B-092245	Adhesive Loctite 222	Bottle	8	Loctite 222 Thread lock Blue Liquide 50 ML Bottle		Imported

127.	B-082914	Loctite 2701	Bottle	8	Loctite 2701 Thread lock Blue Liquide 50 ML Bottle		Imported
128.	G-054875	Battery Water	Numbers	30	Battery Water upholstery Cleaning 1 lit Btl Company Distilled)		Pak
129.	Aeroshell Grease 22	Aeroshell Grease 22	Kilogram	52	Bearing System Lubrication - Aeroshell Grease No 22 (Company Lubricants)		Imported
130.	899791	Loctite 5910	Numbers	4	Loctite 5910 Thread lock Blue Liquide 50 ML Bottle		Pak
131.	CD-EL 140	LCD Display Clean Kit	Numbers	20	Klear screen Deluxe cleaning kit - klea screen (Company iKlear,Craftics)		Imported/ China
132.	297433	Molykote G-N (90ml)	Numbers	11	Molykote G-N Plus Paste 100g Running-in Lubricant Grease Bearing gear gearbox lubrication		Imported/ China
133.	LQY	Cooling Liquid	Gallon	10	Extended Life Dex-Cool Universal Orange OAT Antifreeze + Coolant ready to use 1 Gal		US
134.	YZH	Atomic Ash	Numbers	4	Advanced Atomic Ash Quick-Drying repair paste (Lubricants)		Imported/ China
135.	HY-15	Aviation Hydraulic Oil	Liter	13	No 10+Aviation hydraulic Oil (Ground) Excavator Hydraulic Lubricants - Aviation Oil (Company AVIC HANGTE)		Imported/ China

136.	A+B	A+B Glue	Numbers	24	Super Strong Epoxy Clear Glue AB Adhesive Fix Plastic Materials (Company China)		Imported/ China
137.	7023B	Low Temperature Grease	Kilogram	37	High Quality 7023B Low Temperature Aviation Grease (Company Sinopec)		Imported/ China
138.	XSJ	Diluent	Liter	6	Dilueant Liquid for Cleaning and sautizing septic tanks (Company Lubricants)		Imported/ China
139.	J-133C	Structural Adhesive (A:B=2:1)	Kilogram	6	Structural Plastic Epoxy Adhesive Linkobond (Company AMATECH)		Imported/ China
140.	GTP-25	Water Detector Paste	Tube	20	Kolor Kut Water Finding Paste (3 oz Tube) (Company Kolor Kut)		Imported/ China
141.	304-6187	Sleeve (Heat Shrinkable) 6mm	Foot	10	Heat Shrink sleeves (6mm) Company Harnaali Inc		Pak
142.	AVN-NIV-H-67	Heat Shrink Sleeve 2mm	Mtr	10	Heat Shrink sleeves (2mm) Company Harnaali Inc		Pak
143.	AVN-NIV-H-69	Heat Shrink Sleeve 4mm	Mtr	10	Heat Shrink sleeves (4mm) Company Harnaali Inc		Pak

VTOL ADB-III

Ser	Part Number	Nomenclature	A/U	Required Quantity	Detailed Specifications	Photo	COO
1.	A3-00A-00F	HUB,CENTRAL,OEM REF NO A3-00A-00F,FLIGHT CONTROL SYSTEM, UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Central Hub is req		PMO/Equivalent
2.	A3-00B-00	MOUNT,CAMERA, OEM REF NO A3-00B-00,VHF/UHF,RADIO COMMUNICATION SYSTEM, ,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	5	Scout ADB-III Damping Plate is req		PMO/Equivalent
3.	A3-00A-05	MODULE COMMUNICATIO,ANTENNA,VHF/UHF,RADIO COMMUNICATION SYSTEM,OEM REF NO A3-00A-05,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	6	Scout ADB-III Comm Module Inc Antennas is req		PMO/Equivalent
4.	A3-03	GROUND CONTROL STATION,UNMANNED AIRCRAFT, OEM REF NO A3-03,LANDING GEAR,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	5	Scout ADB-IIIIR Ground Control Station is req		PMO/Equivalent
5.	A3-00A-01	CONTROLLER,FLIGHT,OEM REF NO A3-00A-01, FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	8	Scout ADB-III Flight Controller is req		PMO/Equivalent
6.	A3-00A-00A	ARM FOLDING,CW, OEM REF NO A3-00A-00A, FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Foldable Arm CW is req		PMO/Equivalent
7.	A3-00A-00B	ARM FOLDING,CCW,OEM REF NO A3-00A-00B, MAIN ROTOR,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Foldable Arm CCW is req		PMO/Equivalent
8.	A3-00B-01	DROP MECHANISIM,ADB,OEM REF NO A3-00B-01,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	6	Scout ADB-III ADB Drop Mechanism is req		PMO/Equivalent

9.	A3-00A-02	GLOBAL POSITIONING SYSTEM-INERTIAL NAVIGATION SYSTEM,EMBEDDED,OEM REF NO A3-00A-02,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	8	Scout ADB-III GPS/GNSS is req		PMO/Equivalent
10.	A3-00A-03	CONVERTER DC-DC, 24 V,OEM REF NO A3-00A-03,DC POWER SYSTEM, UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III DC-DC Converter 24 V is req		PMO/Equivalent
11.	A3-00A-06	HUB,CENTRAL,OEM REF NO A3-00A-06,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	8	Scout ADB-III central is req		PMO/Equivalent
12.	A3-00A-00G	PMU RXRF UNIT,CENTRAL,OEM REF NO A3-00A-00G, VHF/UHF,RADIO COMMUNICATION SYSTEM,, UNMANNED AIRCRAFT,QUADCOPTER,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Central PMU is req		PMO/Equivalent
13.	A3-00A-04	LIGHT EMMITING DIOD,NI,OEM REF NO A3-00A-04, VHF/UHF,RADIO COMMUNICATION SYSTEM, UNMANNED AIRCRAFT, QUADCOPTER,SCOUT VTOL ADB-III, PMO, PAKISTAN	Number	9	Scout ADB-III Ni LED is req		PMO/Equivalent
14.	A3-00A-00A-02	MOTOR-TRANSMISSION,BLDC,OEM REF NO A3-00A-00A-02,MAIN ROTOR,UNMANNED AIRCRAFT,SCOUTVTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III BLDC Motor is req		PMO/Equivalent
15.	A3-00A-00B-02	MOTOR-TRANSMISSION,BLDC,OEM REF NO A3-00A-00B-02,MAIN ROTOR,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III BLDC Motor is req		PMO/Equivalent
16.	A3-00A-00A-00	PROPELLER,AIRCRAFT,CW,OEM REF NO A3-00A-00A-00,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Propellers CW is req		PMO/Equivalent
17.	A3-00A-00I	PLATE, BATTERY,OEM REF NO A3-00A-00I, DC POWER SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	8	Scout ADB-III Battery Plates with Straps is req		PMO/Equivalent

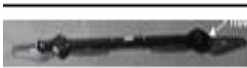
18.	A3-00A-00B-00	PROPELLER,AIRCRAFT, OEM REF NO A3-00A-00B-00,MAIN ROTOR,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Propellers CCW is req		PMO/Equivalent
19.	A3-00A-00A-03	CONTROLLER,SPEED,ELECTRONIC,OEM REF NO A3-00A-00A-03, UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III ESC is req		PMO/Equivalent
20.	A3-00A-00B-03	CONTROLLER,SPEED,ELECTRONIC,OEM REF NO A3, UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	9	Scout ADB-III ESC is req		PMO/Equivalent
21.	A3-00A-00H	COVER,HATCH,OEM REF NO A3-00A-00H,MAIN ROTOR,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Hatch Cover is req		PMO/Equivalent
22.	A3-00A-00J	LANDING GEAR,RETRACTABLE,OEM REF NO A3-00A-00J,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Landing Gear is req		PMO/Equivalent
23.	A3-00A-00A-01	FITTING,QUICK CONNECTION,OEM REF NO A3-00A-00A-01,PROPELLERS,CW,FLIGHT CONTROL SYSTEM, UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	10	Scout ADB-III Quick fit for Props CW is req		PMO/Equivalent
24.	A3-00A-00B-01	FITTING,QUICK CONNECTION,CCW,OEM REF NO A3-00A-00B-01,PROPELLER,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Quick fit for Props CCW is req		PMO/Equivalent
25.	A3-021	CABLE SET,CAMERA,OEM REF NO A3,VHF/UHF, RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	2	Scout ADB-IIIIR Cable Set for Camera is req		PMO/Equivalent
26.	A3-00A-00C	MOUNT,ANTENNA,OEM REF NO A3-00A-00C,FLIGHT CONTROL SYSTEM, UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III Antenna Mount is req		PMO/Equivalent

27.	A3-00A-00D	MOUNT,GPS,OEM REF NO A3-00A-00D,FLIGHT CONTROL SYSTEM UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	9	Scout ADB-III GPS Mount is req		PMO/Equivalent
28.	A3-00A-00A-04	HARNESS ASSEMBLY,OEM REF NO A3-00A-00B-04, WIRING,RT SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-IIIIR Ground Control Station is req		PMO/Equivalent
29.	A3-00A-00B-04	HARNESS ASSEMBLY,OEM REF NO A3-00A-00B-04, WIRING,RT SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	9	Scout ADB-III ESC Harness is req		PMO/Equivalent
30.	A3-00A-07	Companion Computer	Number	3	Scout ADB-IIIIR Ground Control Station is req		PMO/Equivalent
31.	A3-00A-00E	DAMPING PLATE,AUTO PILOT.OEM REF NO A3-00A-ODE,FLIGHT CONTROL SYSTEM, UNMANNED AIRCRAFT, SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	10	Scout ADB-III Auto Pilot Damping Plate is req		PMO/Equivalent
32.	A3-00A-00A-00	Propeller Aircraft ,CW, OEM Ref no A3-00A-00A-00,Flight Control Syatem	Number	4			PMO/Equivalent
33.	A3-00A-00B-00	Propeller Aircraft ,CCW, OEM Ref no A3-00A-00A-00,Flight Control Syatem	Number	5			PMO/Equivalent
34.	A3-02A	SENSOR,EO IR,OEM REF NO A3-02A,VHF/UHF,RADIO COMMUNICATION SYSTEM, UNMANNED AIRCRAFT, SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	1	Scout ADB-III EO Sensor is req		PMO/Equivalent
35.	A3-02B	SENSOR,EO IR,13MM,OEM REF NO A3-02A,VHF/UHF, RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	1	Scout ADB-III IR Sensor 13 mm is req		PMO/Equivalent
36.	A3-02C	SENSOR,EO IR,52MM,OEM REF NO A3-02A,VHF/UHF, RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	1	Scout ADB-IIIIR Sensor 52 mm is req		PMO/Equivalent
37.	A3-02D	LRF MODULE AIRCRAFT,OEM REF NO A3-02D, VHF/UHF,RADIO COMMUNICATION SYSTEM, UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	1	Scout ADB-IIIIR LRF Module is req		PMO/Equivalent

38.	A3-02E	MOTOR ASSEMBLY, ELECTRIC, GIMBAL,OEM REF NO A3-02E, FLIGHT CONTROL SYSTEM ,UNMANNED AIRCRAFT, SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	1	Scout ADB-IIIIR Gimble Motors is req		PMO/Equivalent
39.	A3-02F	PARTS SET,STD,OEM REF NO A3-02F, FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO, PAKISTAN	Number	1	Scout ADB-IIIIR STD Parts Set is req		PMO/Equivalent
40.	A3-02G	CAMERA FRAME ASSEMBLY,OEM REF NO A3-02G, UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	1	Scout ADB-IIIIR Camera Frame is req		PMO/Equivalent
41.	A3-02H	MODULE,TRACKING,OEM REF NO A3-02H,VHF/UHF, RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL ADB-III,PMO,PAKISTAN	Number	1	Scout ADB-IIIIR Tracking Module is req		PMO/Equivalent

VTOL V30

Ser	Part Number	Nomenclature	A/U	Required Quantity	Detailed Specifications	Photo	COO
1.	T40/V30-GS-0401	Terminal, Data Processing, OEM Ref no T40, UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	1	VTOL V 30 Terminal, Data Processing is Req		PMO/Equivalent
2.	V30-GS-0404	ANTENNA,AUTO TRACKER,2W,1.4 GHZ,TAISYNC,OEM REF NO V30-GS-0404,DATA LINK-TRIPOD,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	2	VTOL V 30 Auto Antenna Tracker, Data Link with Tripod 1.4GHz Taisync 2W is Req		PMO/Equivalent
3.	V30-ET-0308	DATA LINK,1.4 GHZ,2 WATT,TAISYNC OEM REF NO V30-ET-0308,ICS,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	1	VTOL V 30 Data Link 1.4GHz Taisync, 2 Watt is Req		PMO/Equivalent
4.	V30-AF-0106	WING,CENTER,OEM REF NO V30-AF-0106,FUSELAGE, UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	2	VTOL V 30 Mid Wing is Req		PMO/Equivalent
5.	V30-AF-0101	FUSELAGE ASSEMBLY,OEM REF NO V30-AF-0101, UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	2	VTOL V 30 Fuselage is Req		PMO/Equivalent
6.	V30-ET-0316	AUTOPILOT,CUBE,ORANGE PLUS,OEM REF NO V30-ET-0316 VHF/UHF,RADIO COMMUNICATION SYSTEM, UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	2	VTOL V 30 Autopilot Cube Orange Plus is Req		PMO/Equivalent
7.	V30-ET-0313	CONTROLLER,SPEED,ELECTRONIC,OEM REF NO V30-ET-0313,ICS,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	5	VTOL V 30 ESC VTOL is Req		PMO/Equivalent
8.	V30-AF-0107	WING LEFT,OUTER,OEM REF NO V30-AF-0107,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	2	VTOL V 30 Left Outer Wing is Req		PMO/Equivalent
9.	V30-AF-0108	RIGHT OUTER WING ASSEMBLY,OEM REF NO V30-AF-0108,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	2	VTOL V 30 Right Outer Wing is Req		PMO/Equivalent
10.	V30-GS-0408	RECEIVER,RADIO,FUTABA 16TI,OEM REF NO V30-GS-0408,ICS,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	3	VTOL V 30 Radio Control FUTABA 16TI is Req		PMO/Equivalent
11.	V30-AF-0113	PROPELLER,AIRCRAFT,OEM REF NO V30-AF-0113,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	15	VTOL V 30 Propeller VTOL p22x6.6 (CW and CCW) is Req		PMO/Equivalent
12.	V30-AF-0109	V-TAIL,STABILIZER-UNIT,LEFT,OEM REF NO V30-AF-0109,FLIGHT CONTROL SYSTEM UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	2	VTOL V 30 Left V-Tail is Req		PMO/Equivalent

13.	V30-AF-0110	V-TAIL,STABILIZER-UNIT,RIGHT,OEM REF NO V30-AF-0109,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	2	VTOL V 30 Right V-Tail is Req		PMO/Equivalent
14.	V30-AF-0111	BOOM,LEFT HAND,OEM REF NO V30-AF-0111,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	2	VTOL V 30 Left Boom is Req		PMO/Equivalent
15.	V30-AF-0112	BOOM,RIGHT HAND,OEM REF NO V30-AF-0111,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	2	VTOL V 30 Right Boom is Req		PMO/Equivalent
16.	V30-ET-0304	DAMPER MOUNT ASSEMBLY,CONTROL BOX,VIEWPRO HAT,OEM REF NO V30-ET-0304, VHF/UHF, RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	7	VTOL V 30 Payload damper Mounting with Control box Viewpro Hat is Req		PMO/Equivalent
17.	V30-AF-0104	FIXTURE,HOLD DOWN,PAYLOAD,OEM REF NO V30-AF-0104,ICS,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	3	VTOL V 30 Payload Fixture is Req		PMO/Equivalent
18.	V30-ET-0310	MOTOR,DIRECT CURRENT FIXED,WING,ECO 4130KV,OEM REF NO V30-ET-0310,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	10	VTOL V 30 Motor Fixed Wing ECO 4130 KV is Req		PMO/Equivalent
19.	V30-ET-0321	POWER REGULATOR,25A,UBEC,OEM REF NO V3D-ET- 0321,DC POWER SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	9	VTOL V 30 UBEC 25A Power Regulator is Req		PMO/Equivalent
20.	V30-AF-0114	PROPELLER,AIRCRAFT,FIXED,OEM REF NO V30-AF-0113,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	12	VTOL V 30 Propeller Fixed Wing Eolo 15x10 is Req		PMO/Equivalent
21.	V30-ET-0319	GPS SYSTEM,HERE 3+,OEM REF NO V30-ET-0319 VHF/UHF,RADIO COMMUNICATION SYSTEM, UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	12	VTOL V 30 GPS Here 3+ is Req		PMO/Equivalent
22.	V30-AF-0102	LANDING GEAR,FIXED,FRONT,OEM REF NO V30-AF-0102,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	10	VTOL V 30 Front Landing Gear is Req		PMO/Equivalent
23.	V30-ET-0311	CONTROLLER,SPEED,ELECTRONIC,FIXED,WING,OEM REF NO V30-ET-0311,FLIGHT CONTROL SYSTEM UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	6	VTOL V 30 ESC Fixed Wing is Req		PMO/Equivalent
24.	V30-GS-0407	CHARGER BATTERY,ULTRA POWER,1200W,6-12S, 15A,OEM REF NO V30-GS-0407,DC POWER SYSTEM UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	2	VTOL V 30 Battery Charger Ultra Power UP1200AC Plus, 1200W, 6-12S, 15A is Req		PMO/Equivalent

25.	V30-GS-0405	CABLE HARNESS,OEM REF NO V30-GS-0405,GCS ,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	3	VTOL V 30 Cable Harness for GCS is Req		PMO/Equivalent
26.	V30-AF-0103	LANDING GEAR,FIXED,REAR,OEM REF NO V30-AF-0102,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	10	VTOL V 30 Rear Landing Gear is Req		PMO/Equivalent
27.	V30-ET-0305	CIRCUIT CARD ASSEMBLY,ARDUINO MEGA 2650,OEM REF NO V30-ET-0305,VHF/UHF,RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	10	VTOL V 30Arduino Board Mega 2650 is Req		PMO/Equivalent
28.	V30-ET-0302	CONNECTOR ASSEMBLY,PAYLOAD,J24H-9TK&J24H-9ZJ,OEM REF NO V30-ET-0302,VHF/UHF,RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	5	VTOL V 30 Payload Connector J24H-9TK&J24H-9ZJ is Req		PMO/Equivalent
29.	FUTABA R7008SB	RECEIVER,RADIO,VHF/UHF,RADIO COMMUNICATION SYSTEM,,OEM REF NO FUTABA R7008SB,UNMANNED AIRCRAFT,SCOUT VTOL V30E,FUTABA CORPORATION,JAPAN	Number	10	VTOL V 30 RC Receiver Futaba R7008SB is Req		PMO/Equivalent
30.	V30-ET-0317	SURVIELLANCE SYSTEM,AUT DEPENDENT,OEM REF NO V30-ET-0317,VHF/UHF,RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E, PMO,PAKISTAN	Number	10	VTOL V 30 ADS 4525 is Req		PMO/Equivalent
31.	V30-ET-0309	Antenna,2 DBI,OEM Ref no V30-ET-0309, ICS,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	8	VTOL V 30 Fuselage is Req		PMO/Equivalent
32.	V30-ET-0318	POWER MONITORING SYSTEM,MODULE,UBEC,OEM REF NO V30-ET-0318,VHF/UHF,RADIO COMMUNICATION SYSTEM, UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	5	VTOL V 30 UBEC Power Monitoring Module is Req		PMO/Equivalent
33.	V30-GS-0409	BATTERY,STORAGE,OEM REF NO V30-GS-0409,RECEIVER RADIO FUTABA 16Ti,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	5	VTOL V 30 RC Battery Futaba Battery is Req		PMO/Equivalent
34.	V30-AF-0115	PITOT LINE,OEM REF NO V30-AF-0115,FUSELAGE ,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	2	VTOL V 30 Pitot is Req		PMO/Equivalent
35.	V30-ET-0303	CONNECTOR,PLUG,ELECTRICAL,QS8-S,OEM REF NO V30-ET-0303,VHF/UHF,RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E, PMO,PAKISTAN	Number	10	VTOL V 30 Heavy Duty Anti Spark Connector QS8-S is Req		PMO/Equivalent
36.	V30-ME-0202	LATCH ASSEMBLY,OEM REF NO V30-ME-0201,WING, UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	10	VTOL V 30 Latch (Wing) is Req		PMO/Equivalent

37.	V30-ET-0306	CONNECTOR,POWER SUPPLY,XT-90,OEM REF NO V30-ET-0306,VHF/UHF,RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	7	VTOL V 30 PWR Connector (M/F) XT-90 is Req		PMO/Equivalent
38.	V30-ME-0201	LATCH ASSEMBLY,OEM REF NO V30-ME-0201, FUSELAGE,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	7	VTOL V 30 Latch (Fuselage) is Req		PMO/Equivalent
39.	V30-ET-0315	CONNECTOR,PLUG,ELECTRICAL,DB-15,OEM REF NO V30-ET-0315,BOOM PIPE,ICS,UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	7	VTOL V 30 Connector DB-15 (M/F) 2Rows (Boom Pipe) is Req		PMO/Equivalent
40.	V30-ET-0314	CONNECTOR,PLUG,ELECTRICAL,DB-15,OEM REF NO V30-ET-0314,ICS,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	6	VTOL V 30 Connector DB-15 (M/F) 2Rows (Boom Pipe) is Req		PMO/Equivalent
41.	V30-ET-0307	DC-DC CONVERTER,24V,100W,OEM REF NO V30-ET-0307,DC POWER SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	6	VTOL V 30 DC-DC Converter 24V 100W is Req		PMO/Equivalent
42.	V30-AF-0105	NOSE COWLING ASSEMBLY,OEM REF NO V30-AF-0105,FUSELAGE,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO,PAKISTAN	Number	2	VTOL V 30 Nose Cowling is Req		PMO/Equivalent
43.	V30-ET-0312	MOTOR,DIRECT CURRENT,MAD 5015,320KV,OEM REF NO V30-ET-0312,FLIGHT CONTROL SYSTEM,UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	5	VTOL V 30 Motor VTOL MAD 5015 320KV is Req		PMO/Equivalent
44.	V30-ET-0322	BATTERY,STORAGE,8S,60AH,OEM REF NO V30-ET-0322,DC POWER SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	1	VTOL V 30 AV Battery 8S 60Ah is Req		PMO/Equivalent
45.	V30-ET-0323	BATTERY,STORAGE,8S,5.2AH,OEM REF NO V30-ET-0323,DC POWER SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	1	VTOL V 30 VTOL Battery 8S 5.2Ah is Req		PMO/Equivalent
46.	V30-GS-0406	BATTERY,STORAGE,6S,1300 MAH,LI-PO, OEM REF NO V30-GS-0406,DC POWER SYSTEM,TRACKER, UNMANNED AIRCRAFT,SCOUT VTOL V30E,PMO, PAKISTAN	Number	1	VTOL V 30 Tracker Battery 6S LiPo 13000mAh capacity is Req		PMO/Equivalent
47.	V30-ET-0301	PAYLOAD,OEM REF NO V30-ET-301,VHF/UHF,RADIO COMMUNICATION SYSTEM,UNMANNED AIRCRAFT, SCOUT VTOL V30E,PMO,PAKISTAN	Number	1	VTOL V 30 Payload A30TR-50 is Req		PMO/Equivalent

VTOL V50

Ser	Part Number	Nomenclature	A/U	Required Quantity	Detailed Specifications	Photo	COO
1.	V50.8003	Cable , Harness,GCS, OEM Ref no V50.8003,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Cable , Harness,GCS is Req		PMO/Equivalent
2.	V50.8004	Wing, Assembly, Outer, Left, Avionics, OEM Ref no V50,8004,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Wing, Assembly, Outer, Left, Avionics is Req		PMO/Equivalent
3.	V50.8005	Wing, Assembly, Outer, Right, Avionics, OEM Ref no V50,8005,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Wing, Assembly, Outer, Right, Avionics is Req		PMO/Equivalent
4.	V50.8006	Tail Assembly,V, Left, Avionics,Oem Ref no V50.8006,Flight Instruments,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Tail Assembly,V, Left, Avionics, is Req		PMO/Equivalent
5.	V50.8007	Tail Assembly,V, Right, Avionics,Oem Ref no V50.8007,Flight Instruments,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Tail Assembly,V, Right, Avionics, is Req		PMO/Equivalent
6.	V50.8010	Motor, VTOL, OEM Ref no V50.8010, Air Distribution,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Motor, VTOL, is Req		PMO/Equivalent
7.	V50.8011	VTOL ESCs	Nos	1	VTOL ESCs is Req		PMO/Equivalent
8.	V50.8012	Servo Actuator, Servo Arm,Link ROD Assembly, OEM Ref no V50.8010,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Servo Actuator, Servo Arm,Link ROD Assembly, is Req		PMO/Equivalent
9.	V50.8013	Propeller,Aircraft, VTOL,CW-CCW,OEM Ref no V50.8013,Air Distribution,UQAB V50H, NCUAS PMO,Pakistan	Nos	10	Propeller,Aircraft, VTOL,CW-CCW, is Req		PMO/Equivalent
10.	V50.8014	VTOL Bty	Nos	9	VTOL Bty is Req		PMO/Equivalent
11.	V50.8015	AV Bty	Nos	3	AV Bty is Req		PMO/Equivalent
12.	V50.8016	Antenna, Data Link, Onboard, OEM Ref no V50.8016,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	4	Antenna, Data Link, Onboard, is Req		PMO/Equivalent
13.	V50.8017	Landing Gear, Set,OEM Ref no V50.8017, Landing Gear,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Landing Gear, Set, is Req		PMO/Equivalent
14.	V50.8018	Antenna Tracker Bty Set	Nos	3	Antenna Tracker Bty Set is Req		PMO/Equivalent
15.	V50.8019	Remote Control, Instrument -Equipment,OEM Ref no V50.8019, Flight Instrument,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Remote Control, Instrument -Equipment, is Req		PMO/Equivalent
16.	V50.8020	Pipe,Pitot, OEM Ref no V50.8020,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Pipe,Pitot, is Req		PMO/Equivalent
17.	V50.8021	Antenna, GPS,OEM Ref no V50.8021,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Antenna, GPS, is Req		PMO/Equivalent
18.	V50.8022	Tank,Fuel,Aircraft,Sensor,OEM Ref no V50.8022,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Tank,Fuel,Aircraft,Sensor, is Req		PMO/Equivalent

19.	V50.8024	Power Controller, Electrical, Module,OEM Ref no V50.8024,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Power Controller, Electrical, Module, is Req		PMO/Equivalent
20.	V50.8025	Lidar System,OEM Ref no,V50.8025,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Lidar System, is Req		PMO/Equivalent
21.	V50.8026	Spark Plug, Lidar Engine,OEM Ref no V50.8026,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	10	Spark Plug, Lidar Engine, is Req		PMO/Equivalent
22.	V50.8027	Filter,Air,Engine,OEM Ref no V50.8027,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	5	Filter,Air,Engine, is Req		PMO/Equivalent
23.	V50.8028	Sensor, Temperature,Cylinder Head, Engine,OEM Ref no V50.8028,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	6	Sensor, Temperature,Cylinder Head, Engine, is Req		PMO/Equivalent
24.	V50.8029	Sensor Temperature,Exhaust Gas,OEM Ref no V50.8029,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	3	Sensor Temperature,Exhaust Gas is Req		PMO/Equivalent
25.	V50.8030	Capacitor,Ignition,Discharge,Engine,OEM Ref no V50.8030,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	5	Capacitor,Ignition,Discharge,Engine, is Req		PMO/Equivalent
26.	V50.8031	Harness Engine,Control,OEM Ref no V50.8031,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Harness Engine,Control, is Req		PMO/Equivalent
27.	V50.8032	Engine Control Unit,OEM Ref no V50.8032,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Engine Control Unit, is Req		PMO/Equivalent
28.	V50.8033	Sensor, Temperature,Air,Engine,OEM Ref no V50.8033,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	6	Sensor, Temperature,Air,Engine, is Req		PMO/Equivalent
29.	V50.8034	Starter,Engine,Electrical,OEM Ref no V50.8034,ICS,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Starter,Engine,Electrical, is Req		PMO/Equivalent
30.	V50.8035	Dampers,Turbine Blade,Aircraft Turbine Engine,OEM Ref no V50.8035,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Set	4	Dampers,Turbine Blade,Aircraft Turbine Engine, is Req		PMO/Equivalent
31.	V50.8036	Propeller,Engine,OEM Ref no V50.8036, Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Nos	4	Propeller,Engine, is Req		PMO/Equivalent
32.	V50.8038	Relay Overvoltage Protection,Module,Engine,OEM Ref no V50.8038,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Relay Overvoltage Protection,Module,Engine, is Req		PMO/Equivalent
33.	V50.8039	Gasket,CylIndir,Engine,OEM Ref no V50.8039,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Pair	10	Gasket,CylIndir,Engine, is Req		PMO/Equivalent
34.	V50.8040	Gasket,Exhaust,Engine,OEM Ref no V50.8040,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Pair	10	Gasket,Exhaust,Engine, is Req		PMO/Equivalent
35.	V50.8041	Valve,Reed,Engine,OEM Ref no V50.8041,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Nos	5	Valve,Reed,Engine, is Req		PMO/Equivalent
36.	V50.8042	Injector Assembly,Fuel,Engine,OEM Ref no V50.8042,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Nos	4	Injector Assembly,Fuel,Engine, is Req		PMO/Equivalent
37.	V50.8043	Pipe,Tightening Clip,Fuel Injector,Engine,OEM Ref no	Nos	10	Pipe,Tightening Clip,Fuel Injector,Engine, is Req		PMO/Equivalent

		V50.8043,Power Plant,UQAB V50H, NCUAS PMO,Pakistan					
38.	V50.8044	Throttle,Servo,Link ROD,Engine,OEM Ref no V50.8044, Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Throttle,Servo,Link ROD,Engine, is Req		PMO/Equivalent
39.	V50.8045	Gasket,Throttle Body,Engine,OEM Ref no 50.8045,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Nos	20	Gasket,Throttle Body,Engine, is Req		PMO/Equivalent
40.	V50.8046	Pipe,Exhaust,Engine,OEM Ref no V50.8046,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Pair	1	Pipe,Exhaust,Engine, is Req		PMO/Equivalent
41.	V50.8047	Maintenance Kit,Engine,Cylinder Piston,OEM Ref no V50.8047,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Nos	20	Maintenance Kit,Engine,Cylinder Piston, is Req		PMO/Equivalent
42.	V50.8048	Control,Servo,Engine,OEM Ref no V50.8048,Power Plant,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Control,Servo,Engine, is Req		PMO/Equivalent
43.	V50.8049	Fuel Pump,OEM Ref no V50.8049,Engine Oil System,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Fuel Pump, is Req		PMO/Equivalent
44.	V50.8050	Fuel Piping Ref no V50,8050,Engine Oil System,UQAB V50H, NCUAS PMO,Pakistan	Set	4	Fuel Piping is Req		PMO/Equivalent
45.	V50.8051	Clamp,Hose, OEM Ref no V50.8051,Engine Oil System,UQAB V50H, NCUAS PMO,Pakistan	Nos	5	Clamp,Hose, is Req		PMO/Equivalent
46.	V50.8052	Sensor,Fuel Level,OEM ref no V50.8052,Engine Oil System,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Sensor,Fuel Level, is Req		PMO/Equivalent
47.	V50.8053	Filter,Fuel,Fine,OEM Ref no V50.8053,Engine Oil System,UQAB V50H, NCUAS PMO,Pakistan	Nos	10	Filter,Fuel,Fine is Req		PMO/Equivalent
48.	V50.8054	Cable Harness Set,MID,Wing,OEM Ref no V50.8054,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Cable Harness Set,MID,Wing, is Req		PMO/Equivalent
49.	V50.8055	Cable Harness Set,Outer,OEM Ref no V50.8055,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Cable Harness Set,Outer is Req		PMO/Equivalent
50.	V50.8056	Lights,Strobe,OEM Ref no V50.8056,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Lights,Strobe, is Req		PMO/Equivalent
51.	V50.8057	Lights,Strobe,OEM Ref no V50.8057,Flight Control System,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Lights,Strobe, is Req		PMO/Equivalent
52.	V50.0901	Loctite,OEM Ref no V50.0901,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Loctite, is Req		PMO/Equivalent
53.	V50.0902	Tube,Shrink,Set,OEM Ref no V50.0902,UQAB V50H, NCUAS PMO,Pakistan	Tube	2	Tube,Shrink,Set, is Req		PMO/Equivalent
54.	V50.0903	Repair Kit,Composite,OEM Ref no V50.0903,UQAB V50H, NCUAS PMO,Pakistan	Nos	1	Repair Kit,Composite, is Req		PMO/Equivalent
55.	V50.0910	2 Stroke Engine Oil (25 Ltr)	Nos	2	2 Stroke Engine Oil (25 Ltr) is Req		PMO/Equivalent
56.	V50.0913	Latches,Screws,OEM ref no V50.0913,UQAB V50H, NCUAS PMO,Pakistan	Nos	2	Latches,Screws, is Req		PMO/Equivalent

LUNA

Ser	Part Number	Nomenclature	A/U	Required Quantity	Detailed Specifications	Photo	COO
1.	AKAD085	Crank Mast 14KVR5	Nos	3	Req overhaul 6 year insp due		Germany
2.	AKAD-088	Ant Mast 18KVR6	Nos	5	Req overhaul 6 year insp due		Germany
3.	C15300	Fresh Air Filter (AC)	Nos	5	MANN -Filter C 15 300 Air Filter EUROPICLON		EU (Imported)
4.	ID 7948	Pre Fuel Filter	Nos	6	Fuel Pre-Filter Inline-Borserini		EU/ Lombardini (Imported)
5.	40065300	Oil Filter	Nos	6	40065300 Oil Filter HATZ SIERRA		EU/Hatz (Imported)
6.	ID 7947	Air Filter	Nos	5	HQRP Air Filter SIERRA		EU/Hatz (Imported)
7.	ID 7816	Air Vent Filter	Nos	6	Air Vent Filter UD Nissan		EU/Hatz (Imported)
8.	EA-2169	Oil Hydraulic Pressure Filter Insert	Nos	5	Main Filter Hydraulic Filter replace Palfinger EA2169		EU/ Palfinger (Imported)
9.	ID 7950	Hydraulic Return Filter	Nos	5	Hydraulic Return Filter 10/20 Series Palfinger		EU/ Palfinger (Imported)
10.	1-000-AV-50	Battery 3.6 Volt 1.8 Ah (Combination of 3 Cells)	Nos	5	Lithium-ion Battery pack configuration		China
11.	29201280	Chain Spray (400 ml)	Bottle	5	Chain Lubricant Spray - Aeropak		PAK

GSE

Ser	Part Number	Nomenclature	A/U	Required Quantity	Detailed Specifications	Photo	COO
1.	GB-2000	Portable Ground Power Unit (GPUU	Nos	02	Max Amperes 4000 Starting Amperes 2000 Capacity 32 AH @ 4 hour rate Bty Type Lifepo4 (4P7S) Pack Service Cycles 4000 + Cycles Max Voltage 28 VDC Size (Inchs) L 14 x W 7 x H 11 Weight 17.5 KG Operating Temp -20°C to + 70°C Charger 8 Amp / 250 Watt Voltage / Capacity ty Indication Digital Type – IP65 Charger protection 20A CB Safety BMS & Active Balancer Air Transportable Maintenance Free Tough & compact Fast Charging Leak proof Fire proof Brust proof Cells Active Balancer and BMS		Local