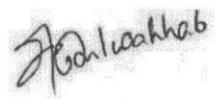
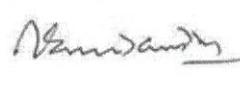


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Sl. No	Class	Rating	Nomenclature	Engine model	Part No./ Detail	Scope of Approval	
1.	Engine	B1	Turbine Engine	PT 6A-21	3027500	Repair, overhaul & testing of engine excluding propeller and accessories.	
				PT 6A-27	3015000		
				PT 6A-42	3030700		
				PT 6A-42A	3120055-01		
2.	Engine	B2	Lycoming piston Engines (Up to 300 HP)	1. O-235 Series	a) O-235-N2C b) O-235-L2C	Repair/Overhaul and testing of engine including Fuel accessories, Excluding propellers. Note: All variants covered in Service Letter No. SL 114 (Latest revision) having common Overhaul Manual P/N: 60294-7 (Latest revision)	
				2. O-320 Series	a) O-320-D2J b) O-320-E2D		
				3. O/IO-360 Series	a) O-360-B2C b) O-360-D2J c) O-360-L2A d) O-360-A1G6D e) O-360-CP4 f) IO-360-A1G6D g) IO-360-A1B6 h) IO-360-C1A6D i) IO-360-C1E6		
				4. O/IO/TIO-540 Series	a) O-540-AE1A5 b) O-540-J3A5 c) O-540-F1B5 d) O-540-AB1A5 e) IO-540-C4D5D f) IO-540-AC1A5 g) TIO-540-A2C h) TIO-540-AJ1A		
				5. IO-360 Series	a) IO-360 M1A b) LIO-360 M1A		
				Continental Piston Engines (Up to 300 BHP)	TSIO-520 series IO-550 series		a) LTSIO 520 AE2 b) IO-550-C31B c) IO-550-N48B
				ROTAX Piston Engine (Up to 300 HP)	ROTAX 912A/F/S		a) ROTAX 912 A1, A2, A3 & A4 b) ROTAX 912 F2, F3 & F4 c) ROTAX 912 S2, S3 & S4

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Director (Airworthiness)
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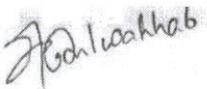
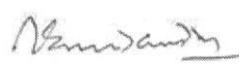
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CAPABILITY LIST						Annexure No 1 Page 2 of 4	
Sl. No	Class	Rating	Nomenclature	Engine type/Model	Part No./ Detail	Scope of Approval	
3.	Components Other than Complete engine	C7 Engine- APU Electrical	Magneto (slick)	4300 series 6300 series Ref: manual L-1363C (CMM for 4300 & 6300 series) (Piston Engine)	Models of 4300 series covered in the CMM. Refer CMM. Models of 6300 series covered in the CMM. Refer CMM.	Overhaul/ 500 hrs inspection and bench check	
			Magneto (Bendix)	D-3000/3200 series, Ref manual X-42003 (Piston Engine)	Models: D6LN-3000, D4LN-3000, D4RN-3000, D6RN-3000.	Overhaul/ 500 hrs inspection and bench check	
				S20/S25/S-200 Series Ref: manual X-42002-1 (Piston Engine)	Models: S-21, S4RN-21, S6RN-25, S6RSC-25, S6LN-25, S6L2, S6LSC-200, S6LSC-204		
				S-600 Series (Piston Engine)	Model: S6RN-600		
				S-1200 Series (Piston Engine)	S6RN-1225, S6RN-1205, S6RN-1201		
				Starter (Hartzell Engine Technologies: Ref manual OE A26*)	ES-2001 Series (Piston Engine)	MMU4001, MMU6001	Overhaul/ 500 hrs inspection and bench check
					ES-2002 Series (Piston Engine)	MHB4016/6016, MZ4222, MZ6222, MZR6016, MHR4015	
					Starter ES-2003 Series (Piston Engine)	BC315-100-2	

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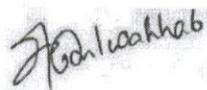
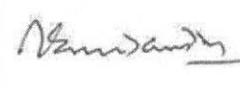
	 	
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Sl. No	Class	Rating	Nomenclature	Engine type/Model	Part No./Detail	Scope of Approval
4	Components Other than Complete engine	C7 Engine APU Fuel & control	Carburettor	Marvel Schebler (Piston Engine)	MA-3A, MA-3PA, MA-3SPA & MA-4SPA	Overhaul & bench check
				ROTAX (Piston Engine)	ROTAX A/F 892500 & 892505 ROTAX 912 S 892530 & 982535	
			Fuel Injector	Bendix Precision Fuel Injector (Piston Engine)	RSA-5AD1 & RSA-10ED1	
			Fuel Flow Divider	Bendix Precision Flow Divider (Piston Engine)	Part No. 2524232-2, 2576526-1, 2576564-1	
			Fuel Nozzle Assy.	PT 6A-21/27 (Turboprop engine) PT 6A-42/42A (Turboprop engine)	Fuel nozzle assembly consisting of detail parts like nozzle, adapter etc. Listed in current IPC	
5	Components Other than Complete engine	C7 Engine-APU Engine	Compressor Turbine Disk Assy.	PT 6A-21/27 (Turboprop engine)	Compressor turbine assembly consisting of detail parts like turbine disk, turbine blade etc. listed in current IPC	Repair (excluding component level repair), overhaul, testing.
				PT 6A-42/42A (Turboprop engine)		
			Power Turbine Disk Assy.	PT 6A-21/27 (Turboprop engine)	Power turbine assembly consisting of detail parts like turbine disk, turbine blade etc. listed in current IPC	
				PT 6A-42/42A (Turboprop engine)		
6	Components Other than Complete engine	C5 Engine-APU. Electrical power	Alternator (Belt Driven) hartzell engine technologies Ref Manual OE A2-6*	ES-1001 Series (Piston Engine)	ALE, ALH, ALT8407, ALU8521LS, ALX8421LX, ALY, ALZ & ANGC611503-0102	Overhaul/ 500 hrs inspection and bench check
				ES-1006 Series (Piston Engine)	DOFF10300, BES4000/LS, 4005, 4005-2, 4007, 4009/LS, 4021, 4023, 40024/L/LP, 4030	
				ES-1008 series large frame belt driven (Piston Engine)	ES4003/LS, 4011/LS, 4011-1/LS, 4014, 4016, 4019/LS, 4019-2/LS, 4022, E3FF10344A, 9910591-7, 9910591-11RX	

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Director (Airworthiness)
Date: 31-May-2024
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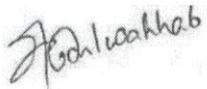
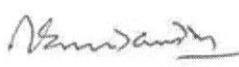
		
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Sl. No	Class	Rating	Nomenclature	Engine type/Model	Part No./Detail	Scope of Approval
7	Components other than complete Engine	C7 Engine APU- Bleed Air	Bleed Value Assy.	PT 6A-21	3022566, 3029174, 3100829-01, 3100829-03	Repair (excluding component level repair), overhaul, testing.
				PT 6A-27	3022566, 3029174, 3100829-01, 3100829-03, 3011765, 3022095, 3024060	
				PT 6A-42/42A	3100922-01, 3100922-05, 3123122-01, 3100923-01, 3100923-02, 3123123-01	
8	Specialized Services	D1 NDT	Fluorescent Penetrant Inspection (FPI) & Magnetic Particle Inspection (MPI)	Piston engine covered under VAPL Scope of Work	All the parts Covered in the engine	FPI as per ASTM-E1417 [latest Rev.] & MPI as per ASTM E1444 [latest Rev.]
				PT 6A engine covered under VAPL Scope of Work	All the parts covered in the engine	1. Fluorescent Penetrant processes as per P&W standard practice manual section 70.33.00(ref) SPOP 62, SPOP 82, SPOP 84. 2. Magnetic particle inspection as per P&W standard practice manual section 70.32.00(ref) SPOP 101, SPOP 102, SPOP 103, SPOP 105, SPOP 106, SPOP 107 & SPOP 115
				Components/parts received from outside customers	As per the document supplied by the customer	Shall be carried out as per the approved NDT techniques/procedures By the OEM or appropriate Level III NDT Staff supplied by the Customer. Certification on Route card/ Instruction sheet of customer only.

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 Director (Airworthiness)
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