



AI ENGINEERING SERVICES LIMITED

CAPABILITY LIST

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DGCA
GOVERNMENT OF INDIA

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Signed by: Manoj
Kumar Bajpai





AI ENGINEERING SERVICES LIMITED

CAPABILITY LIST

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Vide letter No.F-APP/AIESL/2820, Dated 29/12/2014

ISSUED BY

CHIEF EXECUTIVE OFFICER

AI ENGINEERING SERVICES LIMITED

ISSUE 2, REV. 1, 01 DEC 2023

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AI ENGINEERING SERVICES LIMITED

CAPABILITY LIST

**PART 0
GENERAL**

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	CAPABILITY LIST	AIESL CAP/02		
		PART 0		SECTION 0.1
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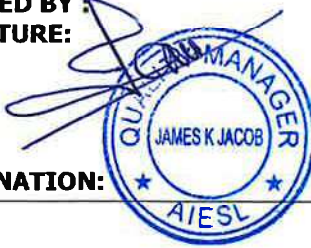
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0.2 LIST OF EFFECTIVE PAGES

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0.3 RECORD OF REVISIONS

ISSUE NO	REV. NO	DATE
ISSUE-1	REV 0	30 APR 2014
ISSUE-1	REV 1	01 NOV 2017
ISSUE-1	REV 2	01 JAN 2019
ISSUE-1	REV 3	01 MAY 2019
ISSUE-2	REV 0	01 DEC 2020
ISSUE-2	REV 1	01 DEC 2023

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	CAPABILITY LIST	AIESL CAP/02		
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0.4 DISTRIBUTION LIST

CAPABILITY LIST, **AIESL CAP/02** IS ISSUED TO FOLLOWING:

COPY

ISSUED TO

HARD COPY / SOFT COPY

DAW, DGCA - MUMBAI

SOFT COPY

ALL EXECUTIVES & ACTIVITY CENTERS THROUGH
SERVER.

NOTE: SOFT COPY OF CAPABILITY LIST, **AIESL CAP/02** IS AVAILABLE ON ENGINEERING SERVER AND IS ACCESSIBLE TO ALL THROUGH INTERNET (<https://console.aws.amazon.com/s3/>) & INTRANET.

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	DGCA CAPABILITY LIST	AIESL CAP/02		
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0.5 PREAMBLE

AIESL Capability List designated as Document Reference No. AIESL CAP/02 has been approved by DGCA.

The Capability List includes Maintenance, Repair, Overhaul, Testing at Mumbai and Nagpur facility of AIESL w.r.t. the following Engines, APUs, Components and their parts; Specialized Services & Processes (All Aircraft/Engines/Components/Parts).

Manufacturer	Engine
General Electric	GEnx-1B Series
General Electric	GE90-100 Series
CFMI	CFM56-7B Series
Pratt & Whitney	PW4000 Series
CFMI	Leap 1 B Series

Manufacturer	APU
Honeywell	GTCP331-500
Honeywell	131-9B
Pratt & Whitney Canada	PW901A
Hamilton Sunstrand	APS 5000

The Engines, APUs and components listed in the capability list are authorized to be maintained/tested/overhauled/repaired and returned to service by AIESL.

Capability List shall be maintained as a separate document containing a Document cover page, Document part Cover page, a preamble, a Table of Contents Page, a Record Of Revisions Page, a List of Effective pages and a Revision highlights page along with the details of the Capability listed in the document. Each Part may be further divided into various sections depending upon its activity centers.

The level of Maintenance defined in the Capability List shall be as per the AIESL MOE.

Each page of the capability list shall be identified by Part, Section, Issue No., Rev. No. & Rev. date in the header & page Reference at the centre of footer.

When the main Part No. of a component branches into several dash numbers, the main part no. may be listed with the term- series or XX, as the case may be in the reference document. Alternately applicability to type design may be referenced.

Procedure for enhancement/amendment to this capability list has been described in the MOE, Part 1, Section 1.9.5.

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	DGCA CAPABILITY LIST		AIESL CAP/02	
			PART 0	SECTION 0.6
	GENERAL		Issue-2	Rev-0
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0.6 HISTORY OF REVISIONS

ISSUE NO	REV. NO.	DATE OF REVISION	EFFECTIVE DATE	BRIEF DESCRIPTION OF CHANGES
Issue 1	0	30 APRIL 2014	01 JAN 2015	
Issue 1	1	01 NOV 2017	01 NOV 2017	The following capabilities were deleted at AIESL, Mumbai Facility. 1. GE CF6-50 SERIES ENGINE (Part 1) 2. GE CF6-80C2 SERIES ENGINE (Part 1) 3. GTCP 331-250H APU. (Part 2) The following capabilities were added/revised at AIESL, Mumbai Facility. PART 0 1) AIESL CAR-145 MOE REFERENCE Removed. 2) PREAMBLE – GENx 1B Series & APU APS 5000 added. Each page shall be identified by - part, section added, page reference at the centre of the footer added.MOE reference added. 3) Part 0(GENERAL) Revised Rev-1 ,01 NOV 2017 PART 1 4) 1.1 – Note revised 5) 1.2 – Typographical error Inlet Gear box Module was deleted in Rev.0. Error corrected. Note revised 6) GE90-100 Series Engines-Special Inspections including Check C/Service Bulletins/ Airworthiness directive compliance on GE90-100 Series engines as per GE'S SBs, ADs issued as per approved capability added. 7) 1.3 - Scope of work at Nagpur Facility added (GE90-100).Note revised 8) 1.4 - Check C Inspection, Removal, Inspection & Installation of AGB Module and LRUs as per GENx-1B EM GEK 112851added. 9) Note added. 10) Scope of work at Nagpur Facility added (GENx-1B). PART 2 11) 2.2 – Typographical error, Scope of work,Disassembly, Cleaning, Inspection, Assembly, Repair and Balancing was deleted in Rev.0. Error corrected. 12) 2.3 - Typographical error,Testing was added in Rev.0. Error corrected. 13) 2.4 – Note added PART 3 14) 3.1- In Page number 4, Special handling process, SPM reference added 15) 3.2 – NDT- FPI & FMPI for HSP CAS per ASTM E 1417 & 1444. 16) 3.10 – Qty.17 consumables as highlighted are added with description and specification.

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ISSUE NO	REV. NO.	DATE OF REVISION	EFFECTIVE DATE	BRIEF DESCRIPTION OF CHANGES
Issue 1	2	01 JAN 2019	01 JAN 2019	PART 0 0.1 – TOC Changed to incorporate revisions 0.2 – LEP Changed to incorporate revisions 0.3 – ROR Date & New revision number added 0.4 – DIST.LIST Engineering server Internet web address added. 0.7 – HIST. OF RIV. Revised to add highlights of Revision 2. PART 1 1.4 – GENx-1B Engine Testing capability at Nagpur Facility added.
Issue 1	3	01 MAY 2019	01 MAY 2019	PART 0 0.2 – LEP Changed to incorporate revisions 0.3 – ROR Date & New revision number added 0.7 – HIST. OF RIV. Revised to add highlights of Revision 3. PART 1 1.3 – GE90-100 SERIES ENGINES Forward engine mount module Removal, Disassembly, Inspection, Repair, Assembly & Installation added.
Issue 2	0	01 DEC 2020	01 DEC 2020	PART 0 Logo And Company Name Changed. PART 1, Section 1.1 to 1.4 Logo And Company Name Changed. PART 2, Section 2.1 to 2.4 Logo And Company Name Changed. PART 3, Section 3.1 to 3.10 Logo And Company Name Changed.

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ISSUE NO	REV. NO.	DATE OF REVISION	EFFECTIVE DATE	BRIEF DESCRIPTION OF CHANGES
Issue 2	1	01 DEC 2023	01 DEC 2023	PART 0 0.2 – LEP Changed to incorporate revisions 0.3 – ROR Date & New revision number added 0.5 – PREAMBLE Revised to add Leap 1B Series Engine. 0.6 – HIST. OF RIV. Revised to add highlights of Revision. PART 1, Section 1.4 B1 Rating capability addition for AGB Carbon Seal and Mating Ring Replacement, as per OEM Manual, for GENx -1B Engine, in Section 1.4. PART 1, Section 1.5 B1 Rating capability addition for CFM LEAP 1B Series Engine Borescope Inspection as per OEM Manual, in Section 1.5 PART 4, Section 4.1 to 4.5 1. C7 Rating capability addition at Mumbai Facility for the components and Accessories of GENx, GE90, CFM56-7B series Engines and APU 331-500B Series and APU APS 5000A. PART 4, Section 4.6 to 4.8 2. C7 Rating capability addition at Mumbai Facility for the components OF GE90 Fan Blade, GENx Fan Blade and CFM56-7B OGV, Front, variables and Rear Vanes.

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CAPABILITY LIST

PART 1
ENGINES

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	DGCA CAPABILITY LIST	AIESL CAP/02		
		PART 1		SECTION 1
	ENGINES	Issue-2	Rev-0	01 DEC 2020

1.1 PW 4000-94" SERIES ENGINES

DESCRIPTION	SCOPE OF WORK
Modular Maintenance	Disassembly of Engine into Modules, partial (or) full & Assembly of Engine. Engine Borescope Inspection including in-situ blending.
Powerplant Build Up and QEC	QEC Removal and Installation. Disassembly, Cleaning, Inspection, Repair & Assembly of QEC Items.
Spinner / Fan Assembly	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
L.P. Compressor	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
H.P. Compressor	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
Combustor & Stage 1 Nozzle Assembly	Disassembly, Cleaning, Inspection, Repair & Assembly.
HP Turbine Module	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
LP Turbine Module	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
Exhaust Assembly	Disassembly, Cleaning, Inspection, Repair & Assembly.
Main Gear Box Assembly	Disassembly, Cleaning, Inspection, Repair & Assembly.
Angle Gear Box Assembly	Disassembly, Cleaning, Inspection, Repair & Assembly.
Engine FWD and AFT Mounts	Disassembly, Cleaning, Inspection, Repair, Assembly as per: P&W CMM 71-20-04, 71-20-05 & Boeing CMM 71-21-16.
Exhaust Sleeve & Plug	Disassembly, Cleaning, Inspection, Repair, Assembly as per: P&W CMM 78-10-04, 78-10-03 & Boeing CMM 78-11-06, 78-11-15
Testing	All Tests.

NOTE : Capability includes NDT inspection limited to FPI, FMPI, Electroplating, Surface Treatment (Coating), Thermal Spray, Shot Peening, TIG Welding, Heat Treatment, Machining, Rework and Chemical & Mechanical Cleaning as listed in process capability (Part-3).

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		PART 1		SECTION 2
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1.2 CFM56-7B SERIES ENGINES

DESCRIPTION	SCOPE OF WORK
Modular Maintenance	Disassembly of Engine into Modules, partial (or) full & Assembly of Engine. Engine Borescope Inspection including in-situ blending.
Powerplant Build Up and QEC	QEC Removal and Installation. Disassembly, Cleaning, Inspection, Repair & Assembly of QEC Items. Engine Borescope Inspection including in-situ blending.
Fan Frame / Case Module	Disassembly, Cleaning, Inspection, Repair & Assembly.
Fan, Booster Module and Spinner	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
No. 1 & No.2 Bearing Support Module	Disassembly, Cleaning, Inspection, Repair, Assembly.
Core Module:	
1. HP Compressor Module	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
2. Combustor/HP Turbine Nozzle Module	Disassembly, Cleaning, Inspection, Repair & Assembly.
3. HP Turbine Module	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
4. HPT Shroud Support and LPT Stg.1 Nozzle Module.	Disassembly, Cleaning, Inspection, Repair & Assembly.
L.P. Turbine Module	Disassembly, Cleaning, Inspection, Repair, Assembly & Balancing.
Inlet Gear Box Module	Disassembly, Cleaning, Inspection, Repair & Assembly.
Transfer Gear Box Module	Disassembly, Cleaning, Inspection, Repair & Assembly.
Accessory Gear Box Module	Disassembly, Cleaning, Inspection, Repair & Assembly.
Engine FWD and AFT Mounts	Disassembly, Cleaning, Inspection, Repair, Assembly as per: Boeing CMM 71-21-37.
Exhaust Nozzle & Plug	Disassembly, Cleaning, Inspection, Repair, Assembly as per: Boeing CMM 78-11-37, 78-11-38
Testing	All Tests.

NOTE : Capability includes NDT inspection limited to FPI, FMPI, Electroplating, Surface Treatment (Coating), Thermal Spray, Shot Peening, TIG Welding, Heat Treatment, Machining, Rework and Chemical & Mechanical Cleaning as listed in process capability (Part-3).

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	DGCA CAPABILITY LIST		AIESL CAP/02	
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1.3 GE90-100 SERIES ENGINES

At Mumbai Facility:

DESCRIPTION	SCOPE OF WORK
Engine	Engine Borescope Inspection including in-situ blending.
Engine	Fan Blade Inspection and Replacement including blending and paint touch-up repair.
Engine	Fan Stator Removal and Installation (Engine split/mate for /shipping/ transportation / storage.) including fan booster acoustic panel replacement.
Engine	Special Procedures per Engine Manual, Aircraft Maintenance Manual and Service Bulletins, such as- TGB Inspection and Replacement as per SB 72-263, LPT Stage 6 blade Inspection and Replacement per SB 72-0260 and 72-0226, Main Fuel Pump stud replacement and AGB removal/installation; AGB carbon seal replacement; HPC Top Case repair, Engine fuel/oil system preservation etc. Stage 9 OGV Leaf seal replacement per SB 72-338 HPT Stg.1 shroud replacement per SB 72-0404 AGB control alternator pad inspection/repair per SB 72-0256 AGB Main fuel pump & HMU mounting studs replacements per SB 72-0326 AGB Aft skirt covers replacements per SB 72-0280 HPT Stage 2 Blades replacement per core module Assy. 72-00-02 special procedure 002, Removal / Installation of LPT Module / HPT Module / Combustor Diffuser Assembly / AGB Module per, Fan stator rework as per GE90100 EM GEK 109993. HDS replacement per SB 72-A0478 Fan Case Abradable Shroud Repair per EM 72-00-06 and Fan stator rework per SB 72-201.TCF cooling holes repair per SB 72-0476. Forward Engine mount module Removal, Disassembly, Inspection, Repair, Assembly & Installation GE90-100 Series Engines-Special Inspections including Check C/Service Bulletins/ Airworthiness directive compliance on GE90-100 Series engines as per GE'S SBs, ADs issued as per approved capability. QEC Removal and Installation.
Power plant Build Up and QEC	
NOTE : Capability includes NDT inspection limited to FPI, FMPI, Electroplating, Surface Treatment (Coating), Thermal Spray, Shot Peening, TIG Welding, Heat Treatment, Machining, Rework and Chemical & Mechanical Cleaning as listed in process capability (Part-3).	

At Nagpur Facility:

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DESCRIPTION	SCOPE OF WORK	Signed by: Manoj Kumar Bera
Engine	All Tests as per GE90-100 Engine Manual GEK 109993.	

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1.4 GENx-1B SERIES ENGINES

At Mumbai Facility:

DESCRIPTION	SCOPE OF WORK
Engine	Engine Borescope Inspection including in-situ blending.
Engine	Fan Blade Inspection and Replacement including blending and paint touch-up repair.
Engine	Fan Stator Removal, inspection and Installation (Engine split/mate for /shipping/ transportation / storage.) including fan booster acoustic panel replacement. AGB Carbon Seal and Mating Ring Replacement, as per OEM Manual.
Engine	Check C Inspection, Removal, Inspection & Installation of AGB Module and LRUs as per GENx-1B EM GEK 112851.
Powerplant Build Up and QEC Preservation	QEC Removal, inspection and Installation. Engine Fuel/oil system preservation
SI/SB/AD	Special Inspections/Service Bulletins/Airworthiness Directives Compliance on GENx-1B Engines

NOTE : Capability includes NDT inspection limited to FPI, FMPI, Electroplating, Surface Treatment (Coating), Thermal Spray, Shot Peening, TIG Welding, Heat Treatment, Machining, Rework and Chemical & Mechanical Cleaning as listed in process capability (Part-3).

At Nagpur Facility:

DESCRIPTION	SCOPE OF WORK
Engine	Engine Borescope Inspection including in-situ blending as per GENx-1B EM GEK 112851 & Boeing 787 AMM .
Engine	Fan Blade Inspection and Replacement as per GENx-1B EM GEK 112851 & Boeing 787 AMM
Engine	Fan Stator Removal, inspection and Installation (Engine split/mate for /shipping/ transportation / storage.) including fan booster acoustic panel replacement as per GENx-1B EM GEK 112851 & Boeing 787 AMM.
Engine	Check C Inspection, Removal, Inspection & Installation of TGB Module, AGB Module, LPT Module, HPT Module, CDN Module, Booster Module and LRUs as per GENx-1B EM GEK 112851.
Powerplant Build Up and QEC Preservation	QEC Removal, inspection and Installation as per Boeing power plant build up manual. Engine Fuel/oil system preservation as per GENx-1B EM GEK 112851 & Boeing 787 AMM.
SI/SB/AD	Special Inspections/Service Bulletins/Airworthiness Directives Compliance on GENx-1B Engines as per SBs/ADs issued.
Engine	All Tests as per GENx-1B Engine Manual GEK 112851.

Signed by: **Manoj Kumar Bernal**

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1.5 CFM LEAP 1B SERIES ENGINES : -

At Mumbai Facility :

DESCRIPTION	SCOPE OF WORK
Engine SP/SI/SB/AD	Engine Borescope inspection in accordance with current Powerplant and Aircraft Manufacturer's Manuals. Special Procedure's / Special Instruction's / Service Bulletin's / Airworthiness Directive's as per OEM or DGCA or other Regulatory Authority.

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PART 2
APUs

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	DGCA CAPABILITY LIST	AIESL CAP/02		
		PART 2		SECTION 1
	APU	Issue-2	Rev-0	01 DEC 2020

2.1 APU PW901A

DESCRIPTION	SCOPE OF WORK
Complete APU	Disassembly, Cleaning, Inspection, Assembly, Repair, Balancing and Testing. APU Borescope Inspection.
NOTE : Capability includes NDT inspection limited to FPI, FMPI, Electroplating, Surface Treatment (Coating), Thermal Spray, Shot Peening, TIG Welding, Heat Treatment, Machining, Rework and Chemical & Mechanical Cleaning as listed in process capability (Part-3).	

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2.2 APU GTCP 331-500

DESCRIPTION	SCOPE OF WORK
APU	Disassembly, Cleaning, Inspection, Assembly, Repair and Balancing. APU Borescope Inspection.

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		PART 2		SECTION 3
	APU	Issue-2	Rev-0	01 DEC 2020

2.3 HONEYWELL 131-9B APU

DESCRIPTION	SCOPE OF WORK
APU	Disassembly, Cleaning, Inspection, Assembly, Repair and Balancing. APU Borescope Inspection
NOTE : Capability includes NDT inspection limited to FPI, FMPI, Electroplating, Surface Treatment (Coating), Thermal Spray, Shot Peening, TIG Welding, Heat Treatment, Machining, Rework and Chemical & Mechanical Cleaning as listed in process capability (Part-3).	

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	DGCA CAPABILITY LIST	AIESL CAP/02		
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2.4 APS 5000A APU

DESCRIPTION	SCOPE OF WORK
APU	Borescope Inspection and LRU replacement.
NOTE : Capability includes NDT inspection limited to FPI, FMPI, Electroplating, Surface Treatment (Coating), Thermal Spray, Shot Peening, TIG Welding, Heat Treatment, Machining, Rework and Chemical & Mechanical Cleaning as listed in process capability (Part-3).	

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CAPABILITY LIST

**PART 3
PROCESSES**

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 1
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.1.1 GE PROCESS CLEANING

DESCRIPTION	SPECIFICATION
	SPM CH 70-21-00
Solvent Degreasing	METHOD 1
Steam Cleaning	METHOD 3
Dry Abrasive Blast Cleaning	METHOD 4A, 4C, 4E
Wet Abrasive Blast Cleaning	METHOD 5B
Heavy Duty Alkaline Cleaning without inhibited Phosphoric Acid	METHOD 6
Three Step Heavy Duty Alkaline Descaling Without inhibited Phosphoric Acid	METHOD 7
Alkaline Cleaning of Titanium Parts	METHOD 9
Four Step Alkaline Cleaning and Acidic Descaling without inhibited Phosphoric Acid	METHOD 10
Manual Detergent Cleaning	METHOD 14
Ultrasonic Cleaning	METHOD 15
Heavy Duty Alkaline Cleaning with inhibited Phosphoric Acid. (Phosit)	METHOD 16
Three Step Heavy Duty Alkaline Descaling with inhibited Phosphoric Acid. (Phosit)	METHOD 17
Four Step Alkaline Cleaning and Acidic Descaling with Phosit	METHOD 20
Light Duty Aqueous Cleaning	METHOD 22
Bearing Cleaning	CH. 70-22-01, METHOD 2
Cleaning of Internal Oil Tubes	CH. 70-22-05

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 1
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.1.2 P&W PROCESS CLEANING

DESCRIPTION	SPECIFICATION
	SPM CH 70-21-00
Degreasing Engine Exterior	SPOP 1
One Step Alkaline Rust Remover on Titanium Parts Only	SPOP 18 (or) SPOP 12
Four Step Alkaline Cleaning and Acidic Descaling with inhibited Phosphoric Acid	SPOP 211
Four Step Alkaline Cleaning and Acidic Descaling without inhibited Phosphoric Acid	SPOP 213
Degreasing of parts by solvent wiping	SPOP 208
Degreasing of parts by Aqueous Cleaning	SPOP 209
Two Step Alkaline Permanganate and Rust Remover	SPOP 221
RTV, Silicon Rubber Removal	SPOP 254/ SPOP19
Wet Abrasive Blast Cleaning with Aluminium Oxide	SPOP 219
Dry Abrasive Grit Blast Cleaning	SPOP 10 and SPOP 218
Wet Glass Bead Blast Cleaning	SPOP 16
Ultrasonic Cleaning of Aircooled Turbine Airfoil and Duct Segment.	SPOP 91
One Step Alkaline Cleaning Long soak.	SPOP 203
Bearing Cleaning	SPOP 216
Paint stripping	SPOP 260
Plastic Media Blast	SPOP 19
Application of Corrosion Inhibitors	SPOP 5
Cleaning Of Contact Points And Wiring Harness	SPOP 6
Removal of Carbon from Fuel & Oil Tubes	SPOP 201
Removal of PWA 77, 110 & 578 Coating from Silver Brazed Parts & Non Silver Brazed Steel and Nickel Parts	SPOP 258
Carbon Seal Cleaning	SPOP 215
Bearing Corrosion Protection and Preparation for Storage	SPOP 217

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 1
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.1.3 CFM56-7B PROCESS CLEANING

DESCRIPTION	SPECIFICATION
	SPM CH
Solvent degreasing	70-21-11
Steam Cleaning	70-21-13
Cleaning of Titanium Alloys	70-21-14
Cleaning of Internal oil tubes	70-21-17
Light duty Aqueous cleaning	70-21-18
Light oxide removal from Titanium Alloys	70-21-22
Descaling Ferrous Alloys	70-21-31
Descaling Martensitic Alloys	70-21-32
Heavy oxide removal from Austentic Alloys	70-21-33
Heavy oxide removal from Austentic & heat resistant Alloys	70-21-41
Exterior engine cleaning	70-21-53
Dry abrasive blast cleaning with Alumina – Fine	70-21-11 (220 Mesh)
Dry abrasive blast cleaning with Alumina – Medium	70-21-12 (120 Mesh)
Plastic Media Blasting	70-21-16 (CP2464)
Wet Abrasive Blasting	70-21-23 (325 Grit)
Bearing cleaning	70-21-52

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 1
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.1.4 SPECIAL CLEANING PROCESS

DESCRIPTION	SPECIFICATION
COMPRESSOR BLADES & VANES	VIBRATORY CLEANING AS PER PW SPM 70-41-05
TURBINE BLADES & VANES	VIBRATORY CLEANING AS PER PW SPM 70-41-05

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 1
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.1.5 BOND COATING PROCESS

DESCRIPTION	SPECIFICATION
PURE Al & Ni-Al BOND COATINGS	GE SPM 70-23-08
THERMAL SPRAY COATINGS	GE SPM 70-23-12
TBC TOP COATINGS & Ni-Cr-Al-Yttr. BOND COAT	GE SPM 70-23-22
STRIPPING OF THERMAL SPRAY AL.OXIDE, NON-FERROUS & BOND COATING	GE SPM 70-23-07
STRIPPING OF SERMETAL 'W' PAINT	GE SPM 70-23-02
STRIPPING OF NiAl, CuNiIn COATINGS	CFM56-7B SPM 70-23-34

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 2
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.2.1 FPI – P&W, GE, CFM56-7B, HONEYWELL & HSPS

DESCRIPTION	SPECIFICATION
<u>PRATT & WHITNEY</u>	SPM CH 70-33-00
NORMAL SENSITIVITY F.P.I.	SPOP 62
NORMAL, HIGH, ULTRA HIGH SENSITIVITY FPI (SPOT FPI)	SPOP 70
HIGH SENSITIVITY F.P.I.	SPOP 82
ULTRA HIGH SENSITIVITY F.P.I.	SPOP 84 SPOP 86
<u>GENERAL ELECTRIC</u>	SPM CH 70-32-02
MEDIUM SENSITIVITY F.P.I.	CLASS A, B & C
HIGH SENSITIVITY F.P.I.	CLASS D
ULTRA HIGH SENSITIVITY	CLASS G
SPOT F.P.I.	CH.70-32-03
<u>HONEYWELL</u>	
HIGH SENSITIVITY F.P.I.	ASTM E1417
HIGH SENSITIVITY	
<u>CFM56-7B</u>	SPM CH
MEDIUM SENSITIVITY	70-32-12
HIGH SENSITIVITY	70-32-13
ULTRA HIGH SENSITIVITY	70-32-14 & 70-32-15
LOCAL FPI MEDIUM SENSITIVITY	70-32-22
LOCAL FPI HIGH SENSITIVITY	70-32-23
LOCAL FPI ULTRA HIGH SENSITIVITY	70-32-24
<u>HSPS</u>	
FPI- NORMAL SENSITIVITY FPI	ASTM E 1417
HIGH SENSITIVITY FPI	

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 2
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.2.2 FMPI – P&W, GE, CFM56-7B, HONEYWELL & HSPS

DESCRIPTION	OEM SPECIFICATION
<u>PRATT & WHITNEY</u>	SPM CH 70-32-00
ROD	SPOP 101
ROD – SOLENOID	SPOP 102
ROD/OD CONTACT	SPOP 103
END CONTACT	SPOP 105
END CONTACT AND SOLENOID	SPOP 106
SOLENOID	SPOP 107
SHAFT	SPOP 108
DISK	SPOP 112
ROD AND INDUCTION (FIXTURE OR CABLE)	SPOP 115
<u>G.E.</u>	SPM CH 70-32-01
HONEYWELL	ASTM-E1444
CFM56-7B	SPM CH. 70-33-11
HSPS	ASTM E 1444

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	CAPABILITY LIST		AIESL CAP/02	
			PART 3	SECTION 3
	PROCESSES		Issue-2	Rev-0
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3.3 HEAT TREATMENT

DESCRIPTION	SPECIFICATION
HEAT TREATMENT (LOCAL)	PYRO PANEL
HEAT TREATMENT (AIR FURNACES)	FURNACE 4' X 4' X 4'
STRESS RELIEVING (AIR OVENS)	FURNACE 10' X 10' X 10'

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	CAPABILITY LIST		AIESL CAP/02	
			PART 3	SECTION 4
	PROCESSES		Issue-2	Rev-0
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3.4 PEENING

DESCRIPTION	SPECIFICATION
SHOT PEENING	GE SPM CH : 70-47-01 P&W SPM CH: 70-41-02 SPOP -501 AMS 2430
GLASS BEAD PEENING	GE SPM CH : 70-47-01 P&W SPM CH: 70-41-01 SPOP -500 AMS 2430
ROTARY FLAP PEENING	GE SPM CH: 70-47-04
<u>CFM56-7B</u>	
SHOT PEENING	70-52-12
GLASS BEAD PEENING	70-52-11
ROTARY FLAP PEENING	70-52-14

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	CAPABILITY LIST		AIESL CAP/02	
			PART 3	SECTION 5
	PROCESSES		Issue-2	Rev-0
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3.5 PLATING AND COATING

NICKEL	P&W SPM CH: 70-44-01 SPOP 26, SPOP 29 AMS 2403, AMS 2424
CADMIUM	P&W SPM CH: 70-44-01 SPOP 21 AMS 2400 QQ-P-416 BAC-5701 MESIER-DOWTY CMM 32-09-01 SEC 3
SILVER	P&W SPM CH: 70-44-01 SPOP 23, SPOP 24 AMS 2410, AMS 2412, AMS 2411 GE SPM CH: 70-45-04
CHROMIUM	P&W SPM CH: 70-44-01 SPOP 22 AMS 2406 GE SPM CH: 70-45-01 BAC-5709 QQ-C-320 CLASS 2 MIL-STD-1501
TITANIUM CADMIUM	BAC – 5804
ELECTROLESS NICKEL	P&W SPM CH: 70-44-01 SPOP -309 AMS 2404 GE SPM CH: 70-45-02
NICKEL CADMIUM	P&W SPM CH: 70-44-01 SPOP-25 AMS 2416
COATING ANODIZE TOUCH UP	P&W SPM CH: 70-44-01 SPOP-42 AMS 2473 GE SPM CH: 70-43-08
BLACK OXIDE FINISH	GE SPM CH: 70-43-12 AMS 2485

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	CAPABILITY LIST		AIESL CAP/02	
			PART 3	SECTION 6
	PROCESSES		Issue-2	Rev-0 01 DEC 2020

3.6 PLASMA SPRAY

DESCRIPTION	SPECIFICATION
PLASMA / FLAME SPRAY POWDERS	METCO 45 CNS METCO 45 VFNS METCO 51 FNS METCO 52 CNS METCO 54 NS (AL-104) METCO 58 NS METCO 63 NS METCO 71 NS METCO 71 VFNS METCO 72 FNS METCO 73 FNS METCO 81 NS METCO 81 VFNS METCO 82 VFNS METCO 101BNS METCO 101SF METCO 106 METCO 204 NS METCO 210 NS METCO 301 CNS PWA 1346 METCO 307 NS METCO 307 NS - 3 METCO 308 NS - 3 METCO 404 NS METCO 430 NS METCO 443 NS METCO 447 NS METCO 450 NS METCO 601 NS METCO 610 NS AMDRIY 365-2 (PWA 1365-2) AMDRIY 718 AMDRIY 962 TRIBALLOY T400 TRIBALLOY T800
FLAME SPRAY WIRE	AI BRONZE WIRE Mo WIRE METCO Si AI WIRE AI WIRE

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	CAPABILITY LIST		AIESL CAP/02	
			PART 3	SECTION 7
	PROCESSES		Issue-2	Rev-0
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3.7 WELDING

DESCRIPTION	SPECIFICATION
TIG WELDING	ALUMINIUM ALLOYS CORROSION & HEAT RESISTANT STEEL NICKEL ALLOYS/INCONEL/NIMONIC TITANIUM ALLOYS

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	CAPABILITY LIST		AIESL CAP/02	
			PART 3	SECTION 8
	PROCESSES		Issue-2	Rev-0 01 DEC 2020

3.8 MACHINE SHOP

DESCRIPTION	SPECIFICATION
TURNING	LATHES
MILLING	CNC MILLING MACHINE
BORING	JIG BORING MACHINE
GRINDING	GRINDERS
DRILLING	RADIAL (DRILLING MACHINE)
MEASUREMENTS	COORDINATE MEASURING MACHINE

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	CAPABILITY LIST		AIESL CAP/02	
			PART 3	SECTION 9
	PROCESSES		Issue-2	Rev-0 01 DEC 2020

3.9 REWORK

DESCRIPTION	SPECIFICATION
RIVETTING	GENERAL WORKSHOP TOOLS
BENCH FITTING	
BORING	
COLD BONDING	
DEBURRING	
GRINDING & BLENDING	
DRILLING	

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 10
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.10 PAINTING

DESCRIPTION	SPECIFICATION
SERMETEL W	C03 -038 /PWA 595
SERMETEL -196	C03 -039 /PWA 36054
SERMETEL -249	PWA 548
SERMASEAL -570A /565	PWA 561
ANTIGALLING FELPRO C -200	PWA 586
ANTIGALLING -550	PWA 550
ECOLUBE 642	PWA 474
EVERLUBE - 810	C02-049
ANTIGALLING EVERLUBE/ESNALUBE -382	P06 – 038/PWA36545
DRY FILM LUBRICANT	SAND STROM 9A
MOLYCOTE P - 37	PWA 36246
PRIMER EPOXY PWA -568	PWA 568
PRIMER GREEN EPOXY	BMS 10-11T1
ALUMINIZED ENAMEL PWA -569	PWA 569
POLYURITHANE LAMINAR X-500 WHITE	PWA 36014
POLYURITHANE LAMINAR X-500 BLACK	PWA 36013
REDUCER FOR X-500	PWA 36015
SYNTHETIC VARNISH	AMS 3132
HIGH BAKE AL ENAMEL	PWA 578
ZINC CHROMATE	CO3 –001/CO3-005
ZINC CHROMATE	CO3 - 005
ZINC MOLYBDATE	AMS 3117
PRIMER –POLYAMIDE EPOXY	CO3-017
PAINT EPOXY POLYAMIDE BLACK MIL-C-22750	CO3-010
PAINT PLYTHE BLACK MIL-C-85285 BLACK	CO3-069
PAINT PLYTHE BLACK MIL-C-85285 WHITE	CO3-018
THINNER POLYURETHANE	PMC1685-T78A
PTFE	PMC79718
POLYURETHANE PRIMER 4056	PWA36509
POLYURETHANE COATING 4056	PWA36510
PRIMER BR -127	BR -127
ECOPRIME GREEN PWA(36519-2)	PWA36519-2
LUBRICANT RESINBOND (4152 MOUNT)	MIL-C-46010
GREEN PRIMER BMS 10-11	BMS 10-11
TEFLON S	PWA 36038
FLOROELASTOMER COATING (BLACK)	PWA 36516-1
FLOROELASTOMER COATING (WHITE)	PWA 36516-3
TOULENE (AMS 31800)	AMS3180
EVERLUBE 810	CO2-049
MOLY DAG-254N	CP2686
HIGH TEMP PRIMER	BAC5710 TYPE 51
WHITE PAINT PART A	PRIAM32005 PART A
HARDNER	PRIAM32005 PART B
DRY FILM LUBRICANT	CP 2232
DRY FILM LUBRICANT	MOLYKOAT D321R

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	CAPABILITY LIST	AIESL CAP/02		
		PART 3		SECTION 10
	PROCESSES	Issue-2	Rev-0	01 DEC 2020

3.10 PAINTING

DESCRIPTION	SPECIFICATION
REDUCER MIL-T-81772	C04-029
EPOXY PRIMER	C03-079(44WL)
PTFE LUBRICANT VARNISH	CP2328
PRESSURE SENSITIVE TAPE NO 250	CP2233
KRYLON 1601	KRYLON1601
BLACK PAINT PART A	PRIAM 32005 PART-A402310 MATT BLACK
PRIMER	PRIAM-PCE211-M1PART-A
HARDNER FOR PRIMER	PRIAM-PCE211-M1PART-B
CORROSION PREVENTIVE COMPOUND(TECTYL437D)	MIL-PRF-11796CL3
BALCK PAINT	C03-076
PAINT EPOXY GRAY	C03-034

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AI ENGINEERING SERVICES LIMITED

CAPABILITY LIST

PART 4

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C7 RATING

	CAPABILITY LIST		AIESL CAP/02	
			PART 4	SECTION 1
	C7 RATING		Issue-2	Rev-1
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4.1_ : GENx – 1B :

At Mumbai Facility:

S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARKS
1	GENX	FAN STATOR MODULE ASSY.	2305M15G06 / G08 /G09 / G10	72-00-21	GE	C7	INSPECTION	NIL
2	GENX	MID ACOUSTIC LINER	2302M64G01, 2382M47G02,	72-21-03	GE	C7	OVERHAUL	*
3	GENX	FAN OGV FAIRING ASSY.	2448M95G01 / G03 / G04 / G05 / G06 /G07 / G08 / G09 / G10 / G11 / G12 / G13 /G14 / G15 / G16 / G17 / G19 / G20 / G21	72-21-05	GE	C7	OVERHAUL	*
4	GENX	LEADING EDGE SPLITTER	2383M69G01/ G02 , 2446M85G01/G02	72-22-01	GE	C7	OVERHAUL	*
5	GENX	INNER ACOUSTIC LINER	2322M56G01, 2322M56G02	72-22-02	GE	C7	OVERHAUL	*
6	GENX	BLEED AIR DEFLECTOR PANEL	2322M58G01, 2500M60G01 / G02	72-22-03	GE	C7	OVERHAUL	*
7	GENX	BLANK OFF PANEL	2323M90G02/G01, 2500M62G02/G01	72-22-04	GE	C7	OVERHAUL	*
8	GENX	FAN ROTOR SPINNER	2300M94G02, 2300M94G01	72-22-42	GE	C7	OVERHAUL	*
9	GENX	SPINNER AFTSUPPORT RING	2444M11G01, 2300M98G02	72-22-46	GE	C7	OVERHAUL	*

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	CAPABILITY LIST		AIESL CAP/02	
			PART 4	SECTION 1
	C7 RATING		Issue-2	Rev-1
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARKS
10	GENX	FAN BLADE RETAINER	2300M96G02	72-22-60	GE	C7	OVERHAUL	*
11	GENX	FAN BLADE SPACER	1843M27G01	72-22-61	GE	C7	OVERHAUL	*
12	GENX	FAN BLADE PLATFORM	2050M92G01 / G02 / G03 / G04	72-22-62	GE	C7	OVERHAUL	*
13	GENX	FAN BLADE SHIMS	2300M97P01	72-22-63	GE	C7	OVERHAUL	*
14	GENX	KEY- DOVETAIL	2302M35P02	72-22-64	GE	C7	OVERHAUL	*
15	GENX	CENTER VENT TUBE	721Z4405-7. 721Z4400-7	AMM CH. 78- 11-00	GE	C7	INSPECTION	NIL
16	GENX	FWD. CENTER BODY	721Z4000-29/3/5	AMM CH. 78- 11-00	GE	C7	INSPECTION	NIL
17	GENX	AFT CENTER BODY	721Z4300-3	AMM CH. 78- 11-00	GE	C7	INSPECTION	NIL
18	GENX	PRIMARY NOZZLE ASSEMBLY	721Z4000-27/28, 721Z4105- 28,721Z4100-7/3	AMM CH. 78- 11-00	GE	C7	INSPECTION	NIL
19	GENX	VFSG	7001330H04	72-00-00	GE	C7	INSPECTION	NIL
20	GENX	VFSG QAD	1708198	72-00-00	GE	C7	INSPECTION	NIL
21	GENX	VFSG F/O HX	2122M69P03 / 1329-1004	72-00-00	GE	C7	INSPECTION	NIL
22	GENX	VFSG A/O HX	ER6083G01 / ER6084G01	72-00-00	GE	C7	INSPECTION	NIL

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	CAPABILITY LIST		AIESL CAP/02	
			PART 4	SECTION 1
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARKS
23	GENX	HARNES - VFSG PWR FEEDER	2602M97P01 / 513397-2 2602M96P01 / 513392-2	72-00-00	GE	C7	INSPECTION	NIL
24	GENX	FIRE DETECTOR ELEMENTS	474436G01 / 474437G01 / 474438G01 / 31503331 / 22903331 / 474463-1	72-00-00	GE	C7	INSPECTION	NIL
25	GENX	EDP	53065-8	72-00-00	GE	C7	INSPECTION	NIL
26	GENX	EDP HOSES	ER5791P01 / ER5350G01 / ER3703G02	72-00-00	GE	C7	INSPECTION	NIL
27	GENX	EAI PRV FAN	3215990-1	72-00-00	GE	C7	INSPECTION	NIL
28	GENX	EAI PRSOV CORE	7011101H02	72-00-00	GE	C7	INSPECTION	NIL
29	GENX	EAI PR SENSOR	7011104H01	72-00-00	GE	C7	INSPECTION	NIL
30	GENX	FCSB	721Z2805-301 / 721Z2805-303	72-00-00	GE	C7	INSPECTION	NIL
31	GENX	PDOS POWER PACK	725Z3191-27 / 720Z3191-25	72-00-00	GE	C7	INSPECTION	NIL
32	GENX	AFT MOUNT ASSY	711Z4231-3 / 711Z4231-4	72-00-00	GE	C7	INSPECTION	NIL
33	GENX	THRUST LINKS	711Z4281-1 / 711Z4281-2	72-00-00	GE	C7	INSPECTION	NIL
34	GENX	FWD MOUNT ASSY	711Z4121-4	72-00-00	GE	C7	INSPECTION	NIL
35	GENX	MFP	2122M22P03/P04 1330-1018/1330-1048	72-00-00	GE	C7	INSPECTION	NIL
36	GENX	FUEL FILTER ASSY	2122M23P02 / 1326-1043	72-00-00	GE	C7	INSPECTION	NIL

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	CAPABILITY LIST		AIESL CAP/02	
			PART 4	SECTION 1
	C7 RATING		Issue-2	Rev-1
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARKS
37	GENX	FUEL NOZZLE	6100005E03/E05/E07/E08/E09 2448M48P03/P05P07/P08/P09	72-00-00	GE	C7	INSPECTION	NIL
38	GENX	FSVA	8104-042/8104-018 2510M03P01/2140M55P01	72-00-00	GE	C7	INSPECTION	NIL
39	GENX	FUEL MANIFOLD PR. SENSOR	508486-1/ 2125M60P01/ 2638M05P01	72-00-00	GE	C7	INSPECTION	NIL
40	GENX	FUEL MANIFOLD TEMP. SENSOR	504243-1/2121M86P01	72-00-00	GE	C7	INSPECTION	NIL
41	GENX	FMU	2122M20P07/80621094	72-00-00	GE	C7	INSPECTION	NIL
42	GENX	EEC	2447M85P04/2447M85P02	72-00-00	GE	C7	INSPECTION	NIL
43	GENX	CONFIG TYPE BOX	504245-5/ 2121M99P04	72-00-00	GE	C7	INSPECTION	NIL
44	GENX	PMA STATOR & ROTOR	504909-1/ 2122M28P01 504910-1/2122M27P01	72-00-00	GE	C7	INSPECTION	NIL
45	GENX	T25 SENSOR	509351-1/ 2125M65P01	72-00-00	GE	C7	INSPECTION	NIL
46	GENX	T3 SENSOR	504293-2/2122M10P02	72-00-00	GE	C7	INSPECTION	NIL
47	GENX	FFT	504542-4 / 2122M21P04	72-00-00	GE	C7	INSPECTION	NIL
48	GENX	IGNITION EXCITERS	504210-5/2121M94P05	72-00-00	GE	C7	INSPECTION	NIL
49	GENX	IGNITION LEADS	505951-1/2121M98P01	72-00-00	GE	C7	INSPECTION	NIL
50	GENX	EAI VALVE	2045M87P04/P06/P07 3291779-4/ 3291779-6/ 63292047-2	72-00-00	GE	C7	INSPECTION	NIL

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	CAPABILITY LIST		AIESL CAP/02	
			PART 4	SECTION 1
	C7 RATING		Issue-2	Rev-1
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARKS
51	GENX	VSV ACTUATOR	2122M17P04	72-00-00	GE	C7	INSPECTION	NIL
52	GENX	VBV ACTUATOR	2121M84P03	72-00-00	GE	C7	INSPECTION	NIL
53	GENX	CORE COMPT CLG VALVE	2121M88P02	72-00-00	GE	C7	INSPECTION	NIL
54	GENX	HPT ACC VALVE	2121M92P01	72-00-00	GE	C7	INSPECTION	NIL
55	GENX	LPT ACC VALVE	2121M92P01	72-00-00	GE	C7	INSPECTION	NIL
56	GENX	EDUCTOR VALVE	2121M87P02	72-00-00	GE	C7	INSPECTION	NIL
57	GENX	N1 SPEED SENSOR	2122M11P02	72-00-00	GE	C7	INSPECTION	NIL
58	GENX	N2 SPEED SENSOR	2122M29P01	72-00-00	GE	C7	INSPECTION	NIL
59	GENX	ACCELEROMETER – NO.1 BEARING	2122M12P03	72-00-00	GE	C7	INSPECTION	NIL
60	GENX	ACCELEROMETER - TCF	1962M22P01	72-00-00	GE	C7	INSPECTION	NIL
61	GENX	EGT HARNESS- UPPER	2121M95P01	72-00-00	GE	C7	INSPECTION	NIL
62	GENX	EGT HARNESS LOWER	2121M96P01	72-00-00	GE	C7	INSPECTION	NIL
63	GENX	T3 SENSOR	2122M10P01	72-00-00	GE	C7	INSPECTION	NIL
64	GENX	FUEL /OIL HEAT EXCHANGER	2122M26P05	72-00-00	GE	C7	INSPECTION	NIL
65	GENX	LUBRICATION UNIT	LR47760E1	72-00-00	GE	C7	INSPECTION	NIL
66	GENX	OIL FILTER DELTA PR SENSOR	2122M25P01	72-00-00	GE	C7	INSPECTION	NIL

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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARKS
67	GENX	OIL PRESSURE SENSOR	2121M85P03	72-00-00	GE	C7	INSPECTION	NIL
68	GENX	TRANSDUCER- MANIFOLD	2140M58P01	72-00-00	GE	C7	INSPECTION	NIL
69	GENX	CC TEMPERATURE SENSOR	2122M33P01	72-00-00	GE	C7	INSPECTION	NIL
70	GENX	TRANSIENT BLEED VALVE	2122M15P02	72-00-00	GE	C7	INSPECTION	NIL
71	GENX	W30	504643-14	72-00-00	GE	C7	INSPECTION	NIL
72	GENX	W31	504644-11	72-00-00	GE	C7	INSPECTION	NIL
73	GENX	W05	508366-6	72-00-00	GE	C7	INSPECTION	NIL
74	GENX	W06	508367-5/-6	72-00-00	GE	C7	INSPECTION	NIL
75	GENX	W07	508368-9/-10	72-00-00	GE	C7	INSPECTION	NIL
76	GENX	W08	508370-5/-6	72-00-00	GE	C7	INSPECTION	NIL
77	GENX	W09	508372-9/-10	72-00-00	GE	C7	INSPECTION	NIL
78	GENX	W10	508373-8/-10	72-00-00	GE	C7	INSPECTION	NIL
79	GENX	W12	509311-10/11/12	72-00-00	GE	C7	INSPECTION	NIL
80	GENX	W13	509312-9/10/11	72-00-00	GE	C7	INSPECTION	NIL
81	GENX	W17	504579-8	72-00-00	GE	C7	INSPECTION	NIL
82	GENX	W30	520203-1	72-00-00	GE	C7	INSPECTION	NIL
83	GENX	W31	520204-1	72-00-00	GE	C7	INSPECTION	NIL
84	GENX	W32	504645-8	72-00-00	GE	C7	INSPECTION	NIL

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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARKS
85	GENX	W33	504646-8	72-00-00	GE	C7	INSPECTION	NIL
86	GENX	EGT	504948-5	72-00-00	GE	C7	INSPECTION	NIL
87	GENX	EGT	504949-5	72-00-00	GE	C7	INSPECTION	NIL
88	GENX	EEC	2121M82P06	72-00-00	GE	C7	INSPECTION	NIL
89	GENX	PLUG-DATA ENTRY	2125M31P74	72-00-00	GE	C7	INSPECTION	NIL
90	GENX	HEAT EXCHANGER -VFSG	ER6084G01	72-00-00	GE	C7	INSPECTION	NIL
91	GENX	HEAT EXCHANGER -VFSG	ER6083G01	72-00-00	GE	C7	INSPECTION	NIL
92	GENX	OIL TANK ASSY	2315M10G04	72-00-00	GE	C7	INSPECTION	NIL
93	GENX	LUBRICLONE ASSY(DMS SEPARATOR)	1F8962	72-00-00	GE	C7	INSPECTION	NIL
94	GENX	OIL LEVEL/ TEMP. SENSOR	8TJ146CGB1	72-00-00	GE	C7	INSPECTION	NIL
95	GENX	SURFACE HEAT EXCHANGER – ENGINE OIL	ER6230G01	72-00-00	GE	C7	INSPECTION	NIL
96	GENX	EMU	2122M32P08	72-00-00	GE	C7	INSPECTION	NIL
97	GENX	DMS SENSOR	1G8842	72-00-00	GE	C7	INSPECTION	NIL
98	GENX	DMS AMPLIFIER	1H8843	72-00-00	GE	C7	INSPECTION	NIL
99	GENX	W01	504554-7/8	72-00-00	GE	C7	INSPECTION	NIL
100	GENX	W02	504555-4/6/7	72-00-00	GE	C7	INSPECTION	NIL

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 Kumar Bajorai
 72-00-00

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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARK
101	GENX	W03	504556-7/8	72-00-00	GE	C7	INSPECTION	NIL
102	GENX	W04	504557-8/9/10	72-00-00	GE	C7	INSPECTION	NIL
103	GENX	W14	504576-7/8	72-00-00	GE	C7	INSPECTION	NIL
104	GENX	W15	504577-7	72-00-00	GE	C7	INSPECTION	NIL
105	GENX	W34	504647-8	72-00-00	GE	C7	INSPECTION	NIL
106	GENX	W35	504648-8	72-00-00	GE	C7	INSPECTION	NIL
107	GENX	W71F	508369-3	72-00-00	GE	C7	INSPECTION	NIL
108	GENX	W81F	508371-3	72-00-00	GE	C7	INSPECTION	NIL
109	GENX	W131F	504575-6	72-00-00	GE	C7	INSPECTION	NIL
110	GENX	THRUST LINK -LH	711Z4281-1	72-00-00	GE	C7	INSPECTION	NIL
111	GENX	THRUST LINK-RH	711Z4281-2	72-00-00	GE	C7	INSPECTION	NIL
112	GENX	VFSG -NO.1	7001330R	72-00-00	GE	C7	INSPECTION	NIL
113	GENX	VFSG - NO.2	7001330R	72-00-00	GE	C7	INSPECTION	NIL
114	GENX	HYDRAULIC PUMP	53065-05	72-00-00	GE	C7	INSPECTION	NIL
115	GENX	CVT	721Z4405-7	72-00-00	GE	C7	INSPECTION	NIL
116	GENX	FWD.CENTREBODY	721Z4200-3	72-00-00	GE	C7	INSPECTION	NIL
117	GENX	AFT CENTREBODY	721Z4300-3	72-00-00	GE	C7	INSPECTION	NIL
118	GENX	EXHAUST NOZZLE	721Z4100-3	72-00-00	GE	C7	INSPECTION	NIL
119	GENX	EAI VALVE – CORE	7011101H02	72-00-00	GE	C7	INSPECTION	NIL

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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	C7	REMARK
120	GENX	CAC-EAI	808650-6	72-00-00	GE	C7	INSPECTION	NIL
121	GENX	EAI CONTROLLER	810503-10	72-00-00	GE	C7	INSPECTION	NIL
122	GENX	PDOS PUMP	725Z3191-27	72-00-00	GE	C7	INSPECTION	NIL
123	GENX	FORWARD MOUNT	711Z4200-3	72-00-00	GE	C7	INSPECTION	NIL

1. OVERHAUL MEANS PIECE PART INSPECTION.

2. * LIMITED TO CLEANING / NDT / INSPECTION WHICH INCLUDES MINOR REPAIR AS PER S.P.M.

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4.2 GE 90-100/115 :

At Mumbai Facility:

S.N	ENGINE/MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
1	GE90	FORWARD MOUNT ASSEMBLY	2115M75G01	72-09-06	GE	C7	OVERHAUL	*
2	GE90	FORWARD ENGINE MOUNT MODULE	1846M30G01, 1846M31G01, 1846M88P01/P02, 1846M86P01/P02, 1691M18P02/P03	72-09-06	GE	C7	OVERHAUL	*
3	GE90	FAN BLADE RETAINER	2032M39G01	72-21-11	GE	C7	OVERHAUL	*
4	GE90	FAN BLADE SPACER	2013M98P02	72-21-12	GE	C7	OVERHAUL	*
5	GE90	SPINNER	2013M93P01	72-21-13	GE	C7	OVERHAUL	*
6	GE90	FAN BLADE PLATFORMS	1999M68G02/03/04/05	72-21-14	GE	C7	OVERHAUL	*
7	GE90	FAN BLADE SHIMS	2013M96P02, 2013M96P03	72-21-17	GE	C7	OVERHAUL	*
8	GE90	BARREL NUT RETAINER	2013M86P01	72-21-17	GE	C7	OVERHAUL	*
9	GE90	STG. 1 FAN BLADE DOVETAIL KEYS	2032M52P02 / P03	72-21-18	GE	C7	OVERHAUL	*

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S.N	ENGINE/MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
10	GE90	AFT SUPPORT RING	2013M92G01 / 2643M11G01	72-21-19	GE	C7	OVERHAUL	*
11	GE90	INNER ACOUSTIC LINER	2082M10G01 / G02	72-21-20	GE	C7	OVERHAUL	*
12	GE90	BLEED AIR DEFLECTOR PANELS	2082M57G01/ G02 /G03, 2082M58G01	72-21-21	GE	C7	OVERHAUL	*
13	GE90	BLEED AIR BLANKOFF PANELS	2082M55G01 / G02	72-21-22	GE	C7	OVERHAUL	*
14	GE90	LEADING EDGE SPLITTER	2082M77P01/P02, 2598M55P01	72-21-23	GE	C7	OVERHAUL	*
15	GE90	LOWER / UPPER BIFURCATION BRIDGE	2062M25P01 , 2062M23P01 / P02	72-23-27	GE	C7	OVERHAUL	*
16	GE90	FORWARD ACOUSTIC LINER	2082M13G01 / G02 / G03 , 2007M21G02	72-24-04	GE	C7	OVERHAUL	*
17	GE90	AFT OUTER ACOUSTIC LINER	2082M14GG01 / G02	72-24-05	GE	C7	OVERHAUL	*
18	GE90	FILLET FAIRING, EXTENSION PANELS	2082M59P01, 2529M28P01, 2082M69P01, 2529M30P01, 2082M68P01, 2529M29P01, 2082M70P01, 2529M31P01	72-21-27	GE	C7	OVERHAUL	*

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S.N	ENGINE/MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
19	GE90	OGV FAIRING ASSEMBLY	2081M58G01 THROUGH 2081M58G75	72-24-09	GE	C7	OVERHAUL	*
20	GE90	CENTER VENT TUBE	2204M34G01/G02, 2635M08G02	78-11-00	GE	C7	OVERHAUL	*
21	GE90	FWD. CENTER BODY	2204M21G01/G02/G03 /G04/G05, 2569M80G01	78-12-00	GE	C7	OVERHAUL	*
22	GE90	AFT CENTER BODY	2204M22G01/ G02, 2569M81G01	78-12-00	GE	C7	OVERHAUL	*
23	GE90	PRIMARY NOZZLE ASSEMBLY	2204M24G01 / G02 / G03	78-13-00	GE	C7	OVERHAUL	*
24	GE90	MAIN FUEL PUMP	1962M37P02	72-00-00	GE	C7	INSPECTION	NIL
25	GE90	HMU	1962M80P03	72-00-00	GE	C7	INSPECTION	NIL
26	GE90	VSV ACTUATOR	351-704-801-0	72-00-00	GE	C7	INSPECTION	NIL
27	GE90	LUBE AND SCAVANGE PUMP/ LUBRICATION UNIT	351-705-501-0	72-00-00	GE	C7	INSPECTION	NIL
28	GE90	IDG/ VSCF AIR OIL COOLER	1962M84P01	72-00-00	GE	C7	INSPECTION	NIL

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S.N	ENGINE/MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
29	GE90	VSCF/LUBE OIL OIL COOLER	1838M90P03	72-00-00	GE	C7	INSPECTION	NIL
30	GE90	STARTER	3505830-51	72-00-00	GE	C7	INSPECTION	NIL
31	GE90	STARTER AIR VALVE	1962M95P02	72-00-00	GE	C7	INSPECTION	NIL
32	GE90	IDG FUEL OIL HEAT EXCHANGER	1838M89P05	72-00-00	GE	C7	INSPECTION	NIL
33	GE90	AFT MOUNT	1846M33G02	72-00-00	GE	C7	INSPECTION	NIL
34	GE90	FORWARD MOUNT	1846M30G01	72-00-00	GE	C7	INSPECTION	NIL
35	GE90	FUEL NOZZLE	2253M59P01/02	72-00-00	GE	C7	INSPECTION	NIL
36	GE90	FUEL FLOW TRANSMITTER	1838M12P09	72-00-00	GE	C7	INSPECTION	NIL
37	GE90	FUEL PRESSURE SENSOR	1853M89P01	72-00-00	GE	C7	INSPECTION	NIL
38	GE90	FUEL FILTER	1691M44P03	72-00-00	GE	C7	INSPECTION	NIL
39	GE90	FUEL FILTER DELTA PR SENSOR	1693M17P02	72-00-00	GE	C7	INSPECTION	NIL
40	GE90	CONFIGURATION TYPE BOX	390-850-001-0	72-00-00	GE	C7	INSPECTION	NIL
41	GE90	ROTOR GENERATOR	1689M62P01	72-00-00	GE	C7	INSPECTION	NIL
42	GE90	STATOR GENERATOR	1689M63P05	72-00-00	GE	C7	INSPECTION	NIL
43	GE90	PT25 SENSOR	351-702-801-0	72-00-00	GE	C7	INSPECTION	NIL
44	GE90	W701	351-701-002-0/004-0/005-0	72-00-00	GE	C7	INSPECTION	NIL
45	GE90	W703	351-700-602-0/605-0/606-0	72-00-00	GE	C7	INSPECTION	NIL

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S.N	ENGINE/MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
46	GE90	W707	351-700-802-0/803-0	72-00-00	GE	C7	INSPECTION	NIL
47	GE90	W709	351-701-202-0/203-0/204-0	72-00-00	GE	C7	INSPECTION	NIL
48	GE90	W704	351-700-702-0/ 704-0	72-00-00	GE	C7	INSPECTION	NIL
49	GE90	W708	351-700-902-0/903-0	72-00-00	GE	C7	INSPECTION	NIL
50	GE90	W702	351-701-102-0/103-0	72-00-00	GE	C7	INSPECTION	NIL
51	GE90	W719	351-701-502-0	72-00-00	GE	C7	INSPECTION	NIL
52	GE90	W721	351-701-605-0/606-0/607-0	72-00-00	GE	C7	INSPECTION	NIL
53	GE90	W722	351-701-705-0 THR 711-0	72-00-00	GE	C7	INSPECTION	NIL
54	GE90	W723	351-700-003-0	72-00-00	GE	C7	INSPECTION	NIL
55	GE90	W724	351-700-104-0	72-00-00	GE	C7	INSPECTION	NIL
56	GE90	W737	351-701-802-0	72-00-00	GE	C7	INSPECTION	NIL
57	GE90	W738	351-701-902-0	72-00-00	GE	C7	INSPECTION	NIL
58	GE90	W727	351-700-202-0/203-0/204-0/205-0	72-00-00	GE	C7	INSPECTION	NIL
59	GE90	W728	351-700-302-0/303-0/304-0/305-0	72-00-00	GE	C7	INSPECTION	NIL
60	GE90	W729	351-700-402-0	72-00-00	GE	C7	INSPECTION	NIL
61	GE90	W731	351-701-453-0	72-00-00	GE	C7	INSPECTION	NIL
62	GE90	W732	351-701-553-0	72-00-00	GE	C7	INSPECTION	NIL
63	GE90	W739	351-700-502-0/503-0	72-00-00	GE	C7	INSPECTION	NIL
64	GE90	W717-T12	351-701-302-0/402-0	72-00-00	GE	C7	INSPECTION	NIL
65	GE90	IGNITION EXCITER	9238M66P08	72-00-00	GE	C7	INSPECTION	NIL

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S.N	ENGINE/MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
66	GE90	IGNITION LEAD ASSY	1837M29P01	72-00-00	GE	C7	INSPECTION	NIL
67	GE90	VBV ACTUATOR	1962M91P03	72-00-00	GE	C7	INSPECTION	NIL
68	GE90	CORE COMPT CLG VALVE	1694M25P06	72-00-00	GE	C7	INSPECTION	NIL
69	GE90	HPT VALVE	1694M23P06	72-00-00	GE	C7	INSPECTION	NIL
70	GE90	LPT ACC VALVE	1694M24P04	72-00-00	GE	C7	INSPECTION	NIL
71	GE90	EDUCTOR VALVE	1963M51P01	72-00-00	GE	C7	INSPECTION	NIL
72	GE90	N1 SPEED SENSOR	330-005-702-0	72-00-00	GE	C7	INSPECTION	NIL
73	GE90	N2 SPEED SENSOR	320-802-402-0	72-00-00	GE	C7	INSPECTION	NIL
74	GE90	ACCELEROMETER (TCF)	1962M22P01	72-00-00	GE	C7	INSPECTION	NIL
75	GE90	ACCELEROMETER (NO. 1 BRG)	1960M98P01	72-00-00	GE	C7	INSPECTION	NIL
76	GE90	EGT PROBES	1962M86P01	72-00-00	GE	C7	INSPECTION	NIL
77	GE90	T4.9 THEROCOUPLE CABLE ASSY (L)	2041M24P03	72-00-00	GE	C7	INSPECTION	NIL
78	GE90	T4.9 THEROCOUPLE CABLE ASSY (R)	1962M87P02	72-00-00	GE	C7	INSPECTION	NIL
79	GE90	T3 SENSOR	351-702-705-0	72-00-00	GE	C7	INSPECTION	NIL
80	GE90	MAIN FUEL OIL HEAT EXCHANGER	1838M88P13	72-00-00	GE	C7	INSPECTION	NIL
81	GE90	OIL FILTER DELTA PR SENSOR	330-009-201-0	72-00-00	GE	C7	INSPECTION	NIL
82	GE90	OIL PRESSURE SENSOR	330-009-201-0	72-00-00	GE	C7	INSPECTION	NIL

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S.N	ENGINE/MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
83	GE90	IDG OIL TEMPERATURE SENSOR	1687M90P02	72-00-00	GE	C7	INSPECTION	NIL
84	GE90	OIL TEMPERATURE SENSOR	1687M90P02	72-00-00	GE	C7	INSPECTION	NIL
85	GE90	STATIC ANTI-LEAK VALVE	350-714-802-0/ 350-714-803-0	72-00-00	GE	C7	INSPECTION	NIL
86	GE90	START AIR VALVE MANUAL CONTROL	351-702-303-0 / 351-702-304-0	72-00-00	GE	C7	INSPECTION	NIL
87	GE90	FADEC	1962M67P04	72-00-00	GE	C7	INSPECTION	NIL
88	GE90	IDENTIFICATION PLUG	390-805-001-0/ 390-803-011-0	72-00-00	GE	C7	INSPECTION	NIL
89	GE90	OIL TANK ASSY	351-702-106-0	72-00-00	GE	C7	INSPECTION	NIL
90	GE90	PRESSURIZING VALVE -OIL TANK	351-703-202-0	72-00-00	GE	C7	INSPECTION	NIL
91	GE90	OIL LEVEL SENSOR	350-717-701-0	72-00-00	GE	C7	INSPECTION	NIL
92	GE90	DMS SENSOR	350-710-801-0 / 350-710-802-0	72-00-00	GE	C7	INSPECTION	NIL
93	GE90	DMS SIGNAL CONDITIONAR (QDM-BOX)	350-714-501-0	72-00-00	GE	C7	INSPECTION	NIL
94	GE90	DMS SEPARATOR	351-702-401-0	72-00-00	GE	C7	INSPECTION	NIL
95	GE90	ECS CONTROLLER COOLER	808650	72-00-00	GE	C7	INSPECTION	NIL
96	GE90	PRSOV	3215302-4	72-00-00	GE	C7	INSPECTION	NIL
97	GE90	IDG	767146A	72-00-00	GE	C7	INSPECTION	NIL

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S.N	ENGINE/MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
98	GE90	VSCF	1701768	72-00-00	GE	C7	INSPECTION	NIL
99	GE90	HYDRAULIC PUMP	66132-04	72-00-00	GE	C7	INSPECTION	NIL
100	GE90	FIRE WIRE -AFT LH	474189-1	72-00-00	GE	C7	INSPECTION	NIL
101	GE90	FIRE WIRE- AFT RH	474188-1	72-00-00	GE	C7	INSPECTION	NIL
102	GE90	FIRE WIRE- AFT LOWER	474190-1	72-00-00	GE	C7	INSPECTION	NIL
103	GE90	FIRE WIRE- FWD LOWER	473582	72-00-00	GE	C7	INSPECTION	NIL
104	GE90	EAI VALVE	810502-3	72-00-00	GE	C7	INSPECTION	NIL
105	GE90	IP CHECK VALVE	3202804-1	72-00-00	GE	C7	INSPECTION	NIL
106	GE90	HPFA CONTROLLER	3399100-31	72-00-00	GE	C7	INSPECTION	NIL
107	GE90	PRSOV CONTROLLER	3399102-30	72-00-00	GE	C7	INSPECTION	NIL
108	GE90	EAI CONTROLLER	810503-9	72-00-00	GE	C7	INSPECTION	NIL
109	GE90	PDOS PUMP	TY2736-01	72-00-00	GE	C7	INSPECTION	NIL
110	GE90	EAI PRESSURE SENSOR	810504-9	72-00-00	GE	C7	INSPECTION	NIL

1. OVERHAUL MEANS PIECE PART INSPECTION.

2. * LIMITED TO CLEANING / NDT / INSPECTION WHICH INCLUDES MAJOR REPAIR AS PER S.P.M.

Signature valid

Signed by: Manoj
Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02		
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4.3 CFM56-7 SERIES ENGINE :

At Mumbai Facility:

S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
1	CFM56-7B SERIES	FAN & BOOSTER MODULE	340-035-3XX-0	72-00-21	CFM	C7	INSPECTION	NIL
2	CFM56-7B SERIES	SUPPORT ASSY. NO.1 & 2 BEARING MODULE	340-035-4XX-0	72-00-22	CFM	C7	INSPECTION	NIL
3	CFM56-7B SERIES	ROTOR ASSY CPRSR MODULE	9324M68GXX	72-00-31	CFM	C7	INSPECTION	NIL
4	CFM56-7B SERIES	STATOR ASSY-CPRSR FRONT	9324M66GXX	72-00-32	CFM	C7	INSPECTION	NIL
5	CFM56-7B SERIES	STATOR ASSY-CPRSR REAR	9324M67GXX, 1887M17GXX	72-00-33	CFM	C7	INSPECTION	NIL
6	CFM56-7B SERIES	COMBUSTION ASSY.	9324M63GXX , 9325M13GXX	72-00-41	CFM	C7	INSPECTION	NIL
7	CFM56-7B SERIES	TURBINE NOZZLE ASSY HP	9324M69GXX	72-00-51	CFM	C7	INSPECTION	NIL
8	CFM56-7B SERIES	ROTOR ASSY HPT	9324M61GXX	72-00-52	CFM	C7	INSPECTION	NIL

Signature valid
 Signed by: Manoj Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02		
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
9	CFM56-7B SERIES	SHROUD ASSY HPT/LPT MODULE	9324M62GXX	72-00-53	CFM	C7	INSPECTION	NIL
10	CFM56-7B SERIES	LPT MODULE	338-092-3XX-0	72-00-54	CFM	C7	INSPECTION	NIL
11	CFM56-7B SERIES	SHAFT ASSY LPT	340-035-8XX-0	72-00-55	CFM	C7	INSPECTION	NIL
12	CFM56-7B SERIES	FRAME REAR - LPT	340-035-9XX-0	72-00-56	CFM	C7	INSPECTION	NIL
13	CFM56-7B SERIES	GEAR BOX-INLET NO.3 BRG ASSY	9324M54GXX	72-00-61	CFM	C7	INSPECTION	NIL
14	CFM56-7B SERIES	GEAR BOX ASSY- TRANSFER	340-050-7XX-0, 340-188-5XX-0	72-00-62	CFM	C7	INSPECTION	NIL
15	CFM56-7B SERIES	GEAR BOX ASSY- ACCESSORY	340-046-5XX-0	72-00-63	CFM	C7	INSPECTION	NIL
16	CFM56-7B SERIES	FAN BLADE	340-001-0XX-0, 340-161-304-0	72-00-71	CFM	C7	INSPECTION	NIL

Signature valid

Signed by: Manoj
Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02		
			PART 4	SECTION 3	
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
17	CFM56-7B SERIES/ FAN & BOOSTER MODULE	CONE SPINNER FRONT	337-005-118-0	72-21-05	CFM	C7	OVERHAUL	*
18	CFM56-7B SERIES/ FAN & BOOSTER MODULE	CONE SPINNER REAR	340-000-205-0	72-21-05	CFM	C7	OVERHAUL	*
19	CFM56-7B SERIES/ FAN & BOOSTER MODULE	SPACER FAN BLADE	340-001-2XX-0	72-21-10	CFM	C7	OVERHAUL	*
20	CFM56-7B SERIES/ FAN & BOOSTER MODULE	RING RTNG FAN	340-160-402-0	72-21-21	CFM	C7	OVERHAUL	*
21	CFM56-7B SERIES/ FAN & BOOSTER MODULE	PLATFORM FAN BLADE	340-001-8XX-0	72-21-20	CFM	C7	OVERHAUL	*
22	CFM56-7B SERIES/ FAN & BOOSTER MODULE	SHIM ASSY FAN BLDE	340-252-3XX-0	72-21-22	CFM	C7	OVERHAUL	*

Signature valid

Signed by: Manoj
Kumar Bajpai
72-21-22

	CAPABILITY LIST		AIESL CAP/02		
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
23	CFM56-7B SERIES/ FAN & BOOSTER MODULE	FLANGE FAN RETAINING	340-001-1XX-0	72-21-18	CFM	C7	OVERHAUL	*
24	CFM56-7B SERIES/ FAN & BOOSTER MODULE	BOOSTER VANE ASSY STG IGV	340-001-3XX-0	72-21-09	CFM	C7	OVERHAUL	*
25	CFM56-7B SERIES/ FAN & BOOSTER MODULE	BOOSTER VANE ASSY STG 3	340-058-3XX-0	72-21-09	CFM	C7	OVERHAUL	*
26	CFM56-7B SERIES/ FAN & BOOSTER MODULE	BOOSTER VANE ASSY STG 4	340-058-4XX-0	72-21-09	CFM	C7	OVERHAUL	*
27	CFM56-7B SERIES/ ROTOR ASSY CPSR	DUCT AIR	9514M54G05, 2616M78G01	72-31-11	CFM	C7	OVERHAUL	*
28	CFM56-7B SERIES/ FRAME REAR -LP TURBINE	SEAL, ROTATING OIL NO.4 BRG	336-009-801-0	Signature valid 72-55-14 Signed by: Manoj Kumar Bajpai		CFM C7	OVERHAUL	*

	CAPABILITY LIST		AIESL CAP/02		
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
29	CFM56-7B SERIES/ FRAME REAR - TURBINE	OIL INLET COVER ASSY	336-024-7XX-0	72-56-06	CFM	C7	OVERHAUL	*
30	CFM56-7B SERIES	ELECTRONIC ENGINE CONTROL	2042M67P02/ 2042M67P04/ 1853M33P0X/ 2044M16P0X	72-00-00	CFM	C7	INSPECTION	NIL
31	CFM56-7B SERIES	COOLER IDG OIL	45731-1393 (340-403-101-0)	72-00-00	CFM	C7	INSPECTION	NIL
32	CFM56-7B SERIES	HEATER SERVO FUEL	45731-1382 (301-789-102-0)	72-00-00	CFM	C7	INSPECTION	NIL
33	CFM56-7B SERIES	PROBE PT25	RP236-00 (340-402-301-0)	72-00-00	CFM	C7	INSPECTION	NIL
34	CFM56-7B SERIES	TRANSIENT BLEED VALVE	3291390-3/ 3291390-1 (1821M60P02/ P04	72-00-00	CFM	C7	INSPECTION	NIL
35	CFM56-7B SERIES	TRANSMITTER- FUEL FLOW	8TJ167GHH1/ 8TJ167GHM1/ 8TJ167GHW1/ 8TJ167GHV1 (1853M48P01/ P02/ P03/ P04)	Signature valid Signed by: Manoj Kumar Bajpai	CFM	C7	INSPECTION	NIL

	CAPABILITY LIST		AIESL CAP/02		
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
36	CFM56-7B SERIES	RH EXCITER IGN	10-631045-1/ 10-631045-2/ 10-631045-3/ 455701/ 516345-1 (9328M66P08/ P07/ P11/ P13/ 1538M69P010)	72-00-00	CFM	C7	INSPECTION	NIL
37	CFM56-7B SERIES	HYDRO MECHANICAL UNIT	442008/442369/ 442026/442098/ 442124/442238/ 442317/442355/442326/ 442598/442597/442652/ 442653 (1853M56P04/ P05/P06/P07/P08/P09/P1 0/P11/P12/P13/P14/P15/ P16)	72-00-00	CFM	C7	INSPECTION	NIL
38	CFM56-7B SERIES	ALTERNATOR ROTOR	85465-2/ 505344-1 (9387M16P02, 2123M62P01)	72-00-00	CFM	C7	INSPECTION	NIL
39	CFM56-7B SERIES	ALTERNATOR STATOR	870006-5/ 78006-9/ 506569-1 (9387M17P08/ P09, 2123M63P02)	72-00-00	CFM	C7	INSPECTION	NIL

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Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02		
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
40	CFM56-7B SERIES	VALVE LPT ACC	C2493700-1/ C24937001-2A/ C24937001-3/ C24937001-3A/ (340-402-003-0, 340-402-004-0, 340-402-005-0, 340-402-006-0)	72-00-00	CFM	C7	INSPECTION	NIL
41	CFM56-7B SERIES	VALVE TURBINE CLEARANCE	3291186-5/ 3291186-6/ 3291186-7/ (1821M59P06/ P05/ P07)	72-00-00	CFM	C7	INSPECTION	NIL
42	CFM56-7B SERIES	LH ACTUATOR VARIABLE STATOR	1211313, 1211313-010 (1324M12P08/ P10)	72-00-00	CFM	C7	INSPECTION	NIL
43	CFM56-7B SERIES	LH ACTUATOR VBV	7074-100/ 7074-200/ 7074-300 (340-402-603-0, 340-402-604-0, 340-402-653-0)	72-00-00	CFM	C7	INSPECTION	NIL
44	CFM56-7B SERIES	SENSOR N2 SPEED	320-549-0020-0/ 320-549-003-0/ 320-549-004-0/ 320-549-005-0/ 3218KGB01,	72-00-00	CFM	C7	INSPECTION	NIL

Signature valid

Signed by: Manoj Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02		
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
45	CFM56-7B SERIES	SENER N1 SPEED	320-862-401-0/ 3215KGB01	72-00-00	CFM	C7	INSPECTION	NIL
46	CFM56-7B SERIES	T.495	TC296-02/ TC296-03/ TC296-04 (340-402-503- 0/ 340-402-504-0/ 340- 402-505-0)	72-00-00	CFM	C7	INSPECTION	NIL
47	CFM56-7B SERIES	SENSOR, TEMP CPRSR DISCH	8TC19AAN1/ 505863-1/ 8TC19AAN1 (1853M47P01/ 2124M19P01/ 1853M47P01)	72-00-00	CFM	C7	INSPECTION	NIL
48	CFM56-7B SERIES	FFCC VIRATION SENSOR	6237M118A/ 144-187- 000-011 (340-401-501-0/ 340-401-401-0)	72-00-00	CFM	C7	INSPECTION	NIL
49	CFM56-7B SERIES	UNIT LUBE	41F1004/ 41F1005/ 41F1401/ 41F1402 (340- 400-004-0/ 340-405-101- 0/ 340-400-005-0/ 340- 405-102-0)	72-00-00	CFM	C7	INSPECTION	NIL

Signature valid

Signed by: Manoj
Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02		
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
50	CFM56-7B SERIES	HEAT EXCHANGER OIL & FUEL	11-841193-2/ 11-841193-3/ 11-841193-4/ 45332-8039/ 11-841193-5/ (301-780-702-0/ 301-780-601-0/ 301-780-703-0/ 301-780-704-0/ 301-780-602-0/ 301-780-705-0)	72-00-00	CFM	C7	INSPECTION	NIL
51	CFM56-7B SERIES	VALVE, ANTI SIPHON	41F3003	72-00-00	CFM	C7	INSPECTION	NIL
52	CFM56-7B SERIES	OIL TANK	340-403-802-0 (41F5102)	72-00-00	CFM	C7	INSPECTION	NIL
53	CFM56-7B SERIES	OIL LEVER SENSOR	8TJ146CFA1/ 8TJ146CFA2/ (340-402-801-0 / 340-402-802-0)	72-00-00	CFM	C7	INSPECTION	NIL
54	CFM56-7B SERIES	OIL TEMPERATURE SENSOR	RP238-00 (340-403-201-0)	72-00-00	CFM	C7	INSPECTION	NIL

Signature valid
 Signed by: Manoj Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02		
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
55	CFM56-7B SERIES	STARTER AIR TURBINE	3505945- 2/3/4/5/6/7/8/9/10/11/1 2 (1851M36P02/ P03/ P04/ P05/ P06/ P07/ P08/ P09/ P10/ P11/ P12)	72-00-00	CFM	C7	INSPECTION	NIL
56	CFM56-7B SERIES	PUMP FUEL MAIN	828300- 2/3/4/5/6/7/8/9/10/11 (340-402-102-0/ 340-402- 103-0/ 340-402-104-0/ 340-402-105-0/ 340-402- 106-0/ 340-402-107-0/ 340-402-108-0/ 340-402- 109-0/ 340-402-110-0/ 340-402-111-0)	72-00-00	CFM	C7	INSPECTION	NIL

1. OVERHAUL MEANS PIECE PART INSPECTION.

2. * LIMITED TO CLEANING / NDT / INSPECTION WHICH INCLUDE MINOR REPAIR AS PER S.P.M.

Signature valid

Signed by: Manoj

Kumar Bapin

	CAPABILITY LIST		AIESL CAP/02	
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	C7 RATING		Issue-2	Rev-1 01 DEC 2023

4.4 APU 331-500B :

At Mumbai Facility :

S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
1	331-500B APU	TIE SHAFT	3840280-4	49-24-79	HONEYWELL	C7	OVERHAUL	*
2	331-500B APU	EXHAUST CONE	3850066-1	49-24-79	HONEYWELL	C7	OVERHAUL	*
3	331-500B APU	EDUCTOR HOUSING	3850125-1	49-24-79	HONEYWELL	C7	OVERHAUL	*
4	331-500B APU	TURBINE BEARING SUPPORT	3844854-1	49-24-79	HONEYWELL	C7	OVERHAUL	*
5	331-500B APU	EDUCTOR NOZZLE	3850098-1	49-24-79	HONEYWELL	C7	OVERHAUL	*
6	331-500B APU	COMPRESSOR SCROLL HOUSING	3827093-6	49-24-79	HONEYWELL	C7	OVERHAUL	*
7	331-500B APU	DIFFUSER LOAD COMPRESSOR	3827094-4	49-24-79	HONEYWELL	C7	OVERHAUL	*

Signature valid

Signed by: Manoj
Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02	
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
8	331-500B APU	DESWIRL FIRST STAGE	3827141-2	49-24-79	HONEYWELL	C7	OVERHAUL	*
9	331-500B APU	DESWIRL SECOND STAGE	3827315-2	49-24-79	HONEYWELL	C7	OVERHAUL	*
10	331-500B APU	FIRST STAGE DIFFUSER	3827140-2	49-24-79	HONEYWELL	C7	OVERHAUL	*
11	331-500B APU	STARTER MOTOR	2704442-5	49-24-79	HONEYWELL	C7	INSPECTION	NIL
12	331-500B APU	WIRING HARNESS ASSY	3888364-4	49-24-79	HONEYWELL	C7	INSPECTION	NIL
13	331-500B APU	SPEED SENSOR	3876212-1	49-24-79	HONEYWELL	C7	INSPECTION	NIL
14	331-500B APU	PNEUMATIC CLUSTER	3884863-7	49-24-79	HONEYWELL	C7	INSPECTION	NIL

Signature valid

Signed by: H Manoj
Kumar Barai

	CAPABILITY LIST		AIESL CAP/02	
			PART 4	SECTION 4
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
15	331-500B APU	OIL TEMP CONTROL VALVE	160536-1	49-24-79	HONEYWELL	C7	INSPECTION	NIL
16	331-500B APU	OIL QUANTITY SENSOR	3876211-2	49-24-79	HONEYWELL	C7	INSPECTION	NIL
17	331-500B APU	LUBE CLUSTER	4131000-6	49-24-79	HONEYWELL	C7	INSPECTION	NIL
18	331-500B APU	INLET AIR TEMP SENSOR	MS28034-1	49-24-79	HONEYWELL	C7	INSPECTION	NIL
19	331-500B APU	IGV ACTUATOR	3883499-2	49-24-79	HONEYWELL	C7	INSPECTION	NIL
20	331-500B APU	IGNITION SYSTEM ASSY	3888275-10	49-24-79	HONEYWELL	C7	INSPECTION	NIL
21	331-500B APU	DATA MEMORY MODULE	304643-2	49-24-79	HONEYWELL	C7	INSPECTION	NIL
22	331-500B APU	FUEL CLUSTER	3879008-1	49-24-79	HONEYWELL	C7	INSPECTION	NIL

Signature valid

Signed by: Manoj
Kumar Bajorai

	CAPABILITY LIST		AIESL CAP/02	
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S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
23	331-500B APU	ATS CONTROL VALVE	3283076-5	49-24-79	HONEYWELL	C7	INSPECTION	NIL
24	331-500B APU	CHECK VALVE	3202854-1	49-24-79	HONEYWELL	C7	INSPECTION	NIL
25	331-500B APU	AIR OIL COOLER	160488-2	49-24-79	HONEYWELL	C7	INSPECTION	NIL
26	331-500B APU	AIR TURBINE STARTER	3505814-3	49-24-79	HONEYWELL	C7	INSPECTION	NIL

1. OVERHAUL MEANS PIECE PART INSPECTION.

2. * LIMITED TO CLEANING / NDT / INSPECTION WHICH INCLUDES MINOR REPAIR AS PER S.P.M.

Signature valid

Signed by: Manoj
Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02	
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4.5 APU APS 5000A :

At Mumbai Facility :

S.N	ENGINE/ MODULE	PART DESCRIPTION	PART NO.	ATA CH.	VENDOR	RATING	LEVEL OF MAINTENANCE	REMARKS
1	APS5000A	ENGINE SPEED SENSOR	7000150H04/7000150H05	49-71-01	HSPS	C7	INSPECTION	NIL
2	APS5000A	IGNITION LEAD 1	70000272H01	49-42-01	HSPS	C7	INSPECTION	NIL
3	APS5000A	IGNITION LEAD 2	70000272H02	49-42-01	HSPS	C7	INSPECTION	NIL
4	APS5000A	OIL COOLER	7000257H02/7000257H03	49-92-02	HSPS	C7	INSPECTION	NIL

Signature valid

Signed by: Manoj
Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02	
			PART 4	SECTION 4
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4.6 GE 90 FAN BLADE :

At Mumbai Facility :

S/N	ENGINE/ MODULE	PART DESCRIPTION	P /N	ATA CH.	VENDOR	RATING	LEVEL OF MAINT.	REMARKS
1	GE90	FAN BLADE	2012M92G03	72-21-01	GE	C7	Inspection	NIL

Signature valid

Signed by: Manoj
Kumar Bajpai



	CAPABILITY LIST		AIESL CAP/02	
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4.7 GENx FAN BLADE :

At Mumbai Facility :

S/N	ENGINE/ MODULE	PART DESCRIPTION	P /N	ATA CH.	VENDOR	RATING	LEVEL OF MAINT.	REMARKS
1	GENx-1B	FAN BLADE	2051M72G03	72-22-25	GE	C7	Inspection	NIL

Signature valid

Signed by: Manoj
Kumar Bajpai

	CAPABILITY LIST		AIESL CAP/02	
			PART 4	SECTION 4
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4.8 CFM 56-7B OGV, FRONT, VARIABLE AND REAR STATOR VANES :

At Mumbai Facility :

S/N	ENGINE/ MODULE	PART DESCRIPTION	P /N	ATA CH.	VENDOR	RATING	LEVEL OF MAINT.	REMARKS
1	CFM56-7B	OGV	340-002-305-0	72-23-03	CFM	C7	Inspection	NIL
2	CFM56-7B	COMPRESSOR STATOR VARIABLE VANES	P210P04,P241P02,P241P01,P242P02,P242 P01,P243P02,P243P01	72-22-25	CFM	C7	Inspection	NIL
3	CFM56-7B	COMPRESSOR FRONT STATOR VANE SECTORS (STG4,STG5)	P264G03,P264G02,P264G01,P264G04,P24 5G03,P245G02,P245G01,P245G04	72-32-03	CFM	C7	Inspection	NIL
4	CFM56-7B	COMPRESSOR REAR STATOR VANE SECTORS STG6/7/8	P246G02,P246G01,P246G04,P246G03,P24 7G02,P247G01,P247G04,P247G03,P247G02, 2,P248G02,P248G01,P248G04,P248G03	72-33-02	CFM	C7	Inspection	NIL

Signature valid
Signed by: Manoj
Kumar Bapnai