

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number AINY113C

This certificate is issued to
AIR INDIA ENGINEERING SERVICES LIMITED
D/B/A: AIESL

whose business address is
OLD AIRPORT
SANTA CRUZ (EAST)
MUMBAI, 400029, INDIA

*upon finding that its organization complies in all respects
with the requirements of the Federal Aviation Regulations
relating to the establishment of an Air Agency, and is
empowered to operate an approved* REPAIR STATION

with the following ratings:

LIMITED - ACCESSORIES (04/05/1999)
LIMITED - AIRFRAME (03/20/2006)
LIMITED - ENGINE (03/23/2008)
LIMITED - LANDING GEAR (05/26/2015)
LIMITED - NONDESTRUCTIVE INSPECTION, TESTING, & PROCESSING (02/13/2001)

*This certificate, unless canceled, suspended, or revoked,
shall continue in effect* UNTIL OCTOBER 31, 2018

Date issued:

ORIGINAL:
APRIL 5, 1999

By direction of the Administrator


MONICO ROBLES *FOL*
ACTING MANAGER, AFS-54-LAX

This Certificate is not Transferable, AND ANY MAJOR CHANGE IN THE BASIC FACILITIES, OR IN THE LOCATION THEREOF,
SHALL BE IMMEDIATELY REPORTED TO THE APPROPRIATE REGIONAL OFFICE OF THE FEDERAL AVIATION ADMINISTRATION

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A001 . Issuance and Applicability

HQ Control: 02/11/2016

HQ Revision: 05e

a. These operations specifications are issued to Air India Limited, a Repair Station, located outside the United States, pursuant to 14 CFR Part 145, § 145.53. The repair station certificate holder shall conduct operations in accordance with 14 CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location:
Old Airport
Santacruz (East)
Mumbai, 400029
India

b. The holder of these operations specifications is the holder of certificate number AINY113C and shall hereafter be referred to as the "certificate holder".

c. These operations specifications are issued as part of this repair station certificate and are in effect as of the date approval is effective. This certificate and these operations specifications shall remain in effect until the expiration date on the issued certificate for a repair station that is located outside the United States unless previously surrendered, suspended, or revoked.

d. U.S./EU Aviation Safety Agreement Repair Station/Maintenance Organization Approvals not authorized.

e. The certificate holder is authorized to conduct the operations described in subparagraph a under the following other business names:

AIESL

Delegated authorities: None

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Viet Q Tran, Principal Maintenance Inspector (FS58)
[1] EFFECTIVE DATE: 12/8/2016, [2] AMENDMENT #: 27
DATE: 2016.12.08 14:04:49 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Sanjay

20.01.2017

Gupta, Sanjay, AGM-Audits & ISO / Dy Quality Manager Date

A002 . Definitions and Abbreviations

HQ Control: 02/11/2016

HQ Revision: 05c

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in 14 CFR and 49 U.S.C., as cited in Public Law 103-272, as amended. Additionally, the definitions listed below are applicable to operations conducted in accordance with these operations specifications.

BASA The Bilateral Aviation Safety Agreement (BASA) is an executive agreement concluded between the United States and a foreign country for the purpose of promoting aviation safety; also known as an Agreement for the Promotion of Aviation Safety.

Certificate Holder In these operations specifications, the term "certificate holder" means the holder of the repair station certificate described in these operations specifications in Part A paragraph A001 and any of its officers, employees, or agents used in the conduct of operations under this certificate.

CFR Code of Federal Regulations

Class rating As used with respect to the certification, ratings, privileges, and limitation of aircraft within a category having similar operating characteristics.

EASA European Aviation Safety Agency

EASA Accountable Manager The manager who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by the EASA full-member Authority.

EU European Union

Exemption An authorization that permits an alternate means of compliance with a specific CFR. The exemption must meet the procedural requirements of 14 CFR Part 11.

FOCA Federal Office of Civil Aviation

FAA Accountable Manager A person designated by the certificated repair station who is responsible for and has authority over all repair station operations that are conducted under 14 CFR Part 145, including ensuring that the repair station's personnel follow the regulations and serving as the primary contact with the FAA.

Geographic An approval provided to a repair station located outside the United

Authorization	States to perform maintenance support under contract for a U.S. air carrier (or an operator of U.S.- registered aircraft under 14 CFR Part 129) at a location other than the repair station facility. A geographic authorization is issued by the FAA to respond to a U.S. air carrier's or Part 129 foreign operator's need for maintenance at a station where the frequency and scope of that maintenance does not warrant permanently staffing and equipping the station for its accomplishment.
Limited Rating	A rating issued to repair stations for the performance of maintenance on particular makes and models of airframes, powerplants, propellers, radios, instruments, accessories, and/or parts.
Limited Ratings - Specialized Services	Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.
Line Maintenance	Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
MAG	The Maintenance Annex Guidance (MAG) defines the process that the FAA and EASA undertake in the inspection, findings of compliance certification, and monitoring of repair stations, as well as their joint cooperation in quality assurance and standardization activities in support of the Agreement, Annex 2, Maintenance.
Maintenance	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
U.S./EU Aviation Safety Agreement, Annex 2, Maintenance	Annex 2 covers the reciprocal acceptance of findings of compliance, approvals, documentation and technical assistance regarding approvals and the monitoring of repair stations/maintenance organizations.
MIP	Maintenance Implementation Procedures (MIP) are procedures for implementing the provisions of a BASA that apply to maintenance.
MOE	A maintenance organization exposition (MOE) pertains to EASA member countries that use an MOE in place of a Repair Station Manual (RSM) and a Quality Control Manual (QCM).
Preventive Maintenance	As defined in 14 CFR part 1 and part 43 appendix A, subparagraph (c).
QCM	Quality Control Manual
Repair Station located in the United States	A certificated repair station located in the United States.

Repair Station located outside the United States A certificated repair station located outside of the United States.

RSM Repair Station Manual

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Viet Q Tran, Principal Maintenance Inspector (FS58)
[1] EFFECTIVE DATE: 12/8/2016, [2] AMENDMENT #: 23
DATE: 2016.12.08 14:04:49 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Sanjay

20.01.2017

Gupta, Sanjay, AGM-Audits & ISO / Dy Quality Manager Date

A003 . Ratings and Limitations

HQ Control: 01/30/2004

HQ Revision: 010

The Certificate Holder is authorized the following Ratings and/or Limitations:

Class Ratings

None Authorized

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
PowerPlant	Pratt & Whitney	PW4000 94" Series	None
		General Electric	Limited to maintenance as allowed by the OEM, including removal and installation of accessories, modular separation and mating as allowed by the OEM. All work must be done IAW the manufacturer's approved data or FAA approved data.
	CFMI	GE90-100 Series	Limited to maintenance as allowed by the OEM, including removal and installation of accessories, modular separation and mating as allowed by the OEM. All work must be done IAW the manufacturer's approved data or FAA approved data.
		CFM56-7	None
Airframe	Boeing	B-777 Series	Base maintenance up to and including C checks per OEM or FAA approved data.
		B-747 Series	Limited to airframe maintenance as follows: - Maintenance of engine forward and aft mount Assemblies. - Engine removal, quick engine buildup and installation. - On wing blade replacement and blade blending. - On wing borescope inspections. All work must be done IAW OEM approved data or FAA approved or accepted data.
		B-787 Series	Limited to airframe maintenance as follows: - Maintenance of engine forward and aft mount assemblies. Engine removal, quick engine buildup and installation. - On wing blade replacement and blade blending. - On wing borescope inspections. All work must be done IAW OEM approved data or FAA approved or accepted data.
		B-737 NG	Limited to airframe maintenance as follows: - Maintenance of engine forward and aft mount

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
			assemblies. Engine removal, quick engine buildup and installation. - On wing blade replacement and blade blending. - On wing borescope inspections. All work must be done IAW OEM approved data or FAA approved or accepted data.
Landing Gear Components	Boeing	B-737 NG	Maintenance and overhaul of landing gear, all work must be performed in accordance with the appropriate CMM and/or other FAA approved or FAA accepted data.
		B-747 Series	Maintenance and overhaul of landing gear, all work must be performed in accordance with the appropriate CMM and/or other FAA approved or FAA accepted data.
Accessories	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	From the accepted Capability List document number AIESL/FAA/CAP-04 as revised. All work must be done IAW OEM approved data or FAA approved or accepted data.
Accessories - Mechanical	Boeing	B-737-NG	Maintenance and alteration of wheel and brake assemblies and all associated parts. All work must be done IAW OEM approved data or FAA approved or accepted data.
	Boeing	B-747-400	Maintenance and alteration of wheel and brake assemblies and all associated parts. All work must be done IAW OEM approved data or FAA approved or accepted data.
	Boeing	B-777 Series	Maintenance and alteration of wheel and brake assemblies and all associated parts. All work must be done IAW OEM approved data or FAA approved or accepted data.
	Boeing	B-787 Series	Maintenance and alteration of wheel and brake assemblies and all associated parts. All work must be done IAW OEM approved data or FAA approved or accepted data.
Nondestructive Inspection, Testing, and Processing	Radiographic Inspection		In Accordance with ASTM E1742 and Manufacturer's Maintenance Manual as Revised and FAA Approved Data as Revised.
	Eddy Current Inspection		In Accordance with MIL-H-728/1, MIL-H-728/2, and MIL-STD-1537/C, Manufacturer's Maintenance Manual as Revised and FAA Approved Data as Revised.
	Liquid Penetrant		In Accordance with ASTM E1417, Manufacturer's Maintenance Manual as Revised and FAA Approved Data as Revised
	Ultrasonic Inspection		In Accordance with AMS-STD-2154, Manufacturer's Maintenance Manual as Revised and FAA Approved Data as Revised

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
	Magnetic Particle Inspection		In Accordance with ASTM E1444, Manufacturer's Maintenance Manual as Revised and FAA Approved Data as Revised NON Destructive Testing Personnel Qualification and Certification Shall be in Accordance with NAS 410

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
None authorized.		

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Digitally signed by Viet Q Tran, Principal Maintenance Inspector (FS58)
[1] SUPPORT INFO: Revised Limitations to simplify the wording of limitations
[2] EFFECTIVE DATE: 1/20/2017, [3] AMENDMENT #: 32
DATE: 2017.01.20 00:10:59 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Sanjay

20.01.2017

Gupta, Sanjay, AGM-Audits & ISO / Dy Quality Manager Date

A004 . Summary of Special Authorizations and Limitations

HQ Control: 09/23/1998

HQ Revision: 010

a. The certificate holder, in accordance with the reference paragraphs, is authorized to:

	Reference Paragraphs
Use an approved electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Perform work, including continuous operations, at additional locations other than at its primary fixed location.	A101

b. The certificate holder is *not authorized and shall not*:

	Reference Paragraphs
Use Exemptions.	A005
Perform maintenance with EASA ratings where the scope of work is authorized by a BASA/MAG (U.S.-EU), MIP/MaG (U.S.-Swiss).	A060
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449
Perform maintenance in accordance with foreign repair station geographic authorizations.	B050
Perform work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100
Perform line maintenance for cert. holders conducting operations under Parts 121 and 135 and for foreign carriers/persons operating non-U.S. registered aircraft in common carriage under Part 129, apart from D100 which authorizes that work away from station.	D107

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Digitally signed by Viet Q Tran, Principal Maintenance Inspector (FS58)
[1] SUPPORT INFO: Revised Limitations to simplify the wording of limitations
[2] EFFECTIVE DATE: 1/20/2017, [3] AMENDMENT #: 21
DATE: 2017.01.20 00:10:59 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Sanjay

20.01.2017

Gupta, Sanjay, AGM-Audits & ISO / Dy Quality Manager Date

A007 . Designated Persons

HQ Control: 12/19/2006

HQ Revision: 030

a. The personnel listed in the following table are designated to officially apply for and receive operations specifications for the certificate holder indicated below.

Table 1 – Designated Persons to Apply for and Receive Authorizations

Title	Name	Parts Authorized
Dy. Quality Manager / Sr. AGM-Quality	Sandeep, Jindal	A
FAA Accountable Manager, 145 / CEO	Jagannath, H.R.	A
Chief Maintenance Manager / GM /EO	Sajeev, P.M.	A
Quality Manager / Sr. AGM - Quality	Gupta, Sanjay	A

b. The following personnel listed in Table 2 are designated by the certificate holder to receive Information for Operators (INFO) messages for the certificate holder as indicated below. A receipt for the information by an operator or person is not required.

Table 2 – Designated to Receive INFO Messages

Name	Email Address	Telephone No.	Type of Information to Receive
H.R. Jagannath	HR.Jagannath@airindia.in	+91-11-23422109 +91-11-23422035	ALL
P.M. Sajeev	pm.sajeev@airindia.in	+91-22-26263229	ALL
Sanjay Gupta	sanjay.gupta1@airindia.in	+91-22-26263346	ALL
Sandeep Jindal	sandeep.jindal@airindia.in	+91-22-26263839	ALL

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Viet Q Tran, Principal Maintenance Inspector (FS58)
[1] SUPPORT INFO: Changed in personnel
[2] EFFECTIVE DATE: 7/25/2017, [3] AMENDMENT #: 27
DATE: 2017.07.25 10:09:15 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Sanjay

26/07/2017

Gupta, Sanjay, Quality Manager / Sr. AGM - Quality Date

**A025 . Electronic/Digital Recordkeeping System,
Electronic/Digital Signature, and Electronic Media**

HQ Control: 11/16/2004

HQ Revision: 00a

a. The certificate holder is authorized to use an approved electronic/digital recordkeeping system, described and/or referenced in this paragraph (if none, enter N/A.)

N/A

b. The certificate holder is authorized the use of the following electronic/digital signature procedures (if none, enter "N/A").

N/A

c. The certificate holder is authorized to use electronic media for the repair station and quality control manuals, if acceptable (if none, enter "N/A").

RS/QCM paragraph 1.13 and 2.12

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Viet Q Tran, Principal Maintenance Inspector (FS58)
[1] SUPPORT INFO: Revised Limitations to simplify the wording of limitations
[2] EFFECTIVE DATE: 1/20/2017, [3] AMENDMENT #: 20
DATE: 2017.01.20 00:11:00 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Handwritten signature of Sanjay Gupta in blue ink.

20.01.2017

Gupta, Sanjay, AGM-Audits & ISO / Dy Quality Manager Date

A101 . Additional Fixed Locations

HQ Control: 11/16/2004

HQ Revision: 010

a. The certificate holder may perform work at the following additional fixed location(s) listed in Table 1, provided it has the facilities, material, equipment and technical personnel to perform the work authorized :

Table 1

Additional Location Address(es)				
Address	City	State	Country	Postal Code
Air India Express Engineering Hangar, Chakai, OPP KSEB Office	Trivandrum		INDIA	695007

- b. This authorizes the certificate holder to use multiple locations to perform its operations under a single certificate.
- c. This authorization does not constitute a geographic authorization for work performed at another location.
- d. The certificate holder may perform continuous operations at the facilities listed in Table 1 above.
- e. Privileges of a line station, as set forth by any EASA line station rating, are authorized at these locations, as applicable.
- f. All the authorizations and exemptions authorized for the certificate holder apply at these locations, as applicable.

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Jeffrey S. Neuin, Principal Maintenance Inspector (FS58)
[1] EFFECTIVE DATE: 10/7/2015, [2] AMENDMENT #: 2
DATE: 2015.10.07 13:42:15 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



Tewari, S., Quality Manager

18.05.16

Date