

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

# Air Agency Certificate

*Number* AINY113C

*This certificate is issued to*

AI 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 (4/5/1999)  
LIMITED AIRFRAME (3/20/2006)  
LIMITED ENGINE (3/23/2008)  
LIMITED LANDING GEAR (5/26/2015)  
LIMITED NONDESTRUCTIVE INSPECTION, TESTING AND PROCESSING (2/13/2001)

*This certificate, unless canceled, suspended, or revoked,  
shall continue in effect* until OCTOBER 31, 2022

*Date issued:*

APRIL 5, 1999

*By direction of the Administrator*

*John Y. Chen*

Date: 2021.02.09 22:01:40 -05'00'  
Adobe Acrobat DC version:  
2015.006.30527

FOR

Nicholas Tsokris, Manager, New York IFO

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



Digitally signed by Devon S Erriah, Principal Maintenance Inspector (FS59)  
[1] SUPPORT INFO: This amendment incorporates Air Agency name and Personnel changes  
[2] EFFECTIVE DATE: 2/4/2021, [3] AMENDMENT #: 30  
DATE: 2021.02.04 14:17:45 -06:00

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

A handwritten signature in blue ink, appearing to read "Sanjay Gupta", is written over a horizontal line.

Sanjay Gupta, Quality Manager

08 FEB. 2021

Date

**A002 . Definitions and Abbreviations**

**HQ Control: 12/14/2017**

**HQ Revision: 05d**

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.

<b>BASA</b>	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.
<b>Certificate Holder</b>	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.
<b>CAAS</b>	Civil Aviation Authority of Singapore
<b>CFR</b>	Code of Federal Regulations
<b>Class Rating</b>	As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.
<b>EASA</b>	European Aviation Safety Agency
<b>EASA Accountable Manager</b>	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.
<b>EU</b>	European Union
<b>Exemption</b>	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.
<b>FOCA</b>	Federal Office of Civil Aviation
<b>FAA Accountable Manager</b>	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.

<b>Geographic Authorization</b>	Authorization provided to a repair station located outside the United 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's main 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.
<b>Limited Rating</b>	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.
<b>Limited Ratings - Specialized Services</b>	Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.
<b>Line Maintenance</b>	Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
<b>MAG</b>	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 EASA Agreement, Annex 2, Maintenance. The term Maintenance Agreement Guidance (MAG) defines the processes and activities applicable to a specific country under an MIP, and is not associated with the EASA Agreement.
<b>Maintenance</b>	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
<b>U.S./EU Aviation Safety Agreement, Annex 2, Maintenance</b>	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.
<b>MIP</b>	Maintenance Implementation Procedures (MIP) are procedures for implementing the provisions of a BASA that apply to maintenance performed under 14 CFR Part 145, Section 145.53(b).
<b>MOE</b>	A maintenance organization exposition (MOE) pertains to procedural manuals used by maintenance organizations certificated by a foreign country. The MOE along with the FAA Supplement, sets forth the structure and procedures of the repair station to meet the requirements of 14 CFR Part 145 under a MIP.



**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 FAA certificated repair station located in the United States.

**Repair Station located  
outside the United  
States**

A FAA certificated repair station located outside of the United States.

**RSM**

Repair Station Manual

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 Devon S Erriah, Principal Maintenance Inspector (FS59)  
[1] SUPPORT INFO: this revision incorporates AMO name and personnel changes  
[2] EFFECTIVE DATE: 2/1/2021, [3] AMENDMENT #: 25  
DATE: 2021.02.01 11:31:59 -06:00

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

*Sanjay*

08 FEB. 2021

Sanjay Gupta, Quality Manager

Date

**A003 . Ratings and Limitations**

**HQ Control: 04/03/2017**

**HQ Revision: 01a**

The certificate holder is authorized the following Ratings and/or Limitations:

**Class Ratings**

None Authorized

**Limited Ratings**

<b><u>Rating</u></b>	<b><u>Manufacturer</u></b>	<b><u>Make/Model</u></b>	<b><u>Limitations</u></b>
PowerPlant	Pratt & Whitney	PW4000 94" Series	None
		GE90-100 Series	Limited to Maintenance and Testing of Engine as allowed by the OEM. Includes 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.
		GENx-1B Series	Limited to Maintenance and Testing of Engine as allowed by the OEM. Includes 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	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.

<b><u>Rating</u></b>	<b><u>Manufacturer</u></b>	<b><u>Make/Model</u></b>	<b><u>Limitations</u></b>
		B-737 NG	<ul style="list-style-type: none"> <li>- On wing blade replacement and blade blending.</li> <li>- On wing borescope inspections.</li> </ul> <p>All work must be done IAW OEM approved data or FAA approved or accepted data.</p> <p>Base maintenance up to and including C checks per OEM or FAA approved data.</p>
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



Operations Specifications

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
	Ultrasonic Inspection		In Accordance with AMS-STD-2154, Manufacturer's Maintenance Manual as Revised and FAA Approved Data as Revised
	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.		

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 Devon S Erriah, Principal Maintenance Inspector (FS59)  
[1] SUPPORT INFO: this revision incorporates AMO name and personnel changes  
[2] EFFECTIVE DATE: 2/1/2021, [3] AMENDMENT #: 34  
DATE: 2021.02.01 11:32:09 -06:00

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

A handwritten signature in blue ink, appearing to read "Sanjay Gupta", with a checkmark-like flourish at the end.

08 FEB. 2021

Sanjay Gupta, 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 acceptable 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
Perform work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100

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

	Reference Paragraphs
Use Exemptions.	A005
Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.	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 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

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 Devon S Erriah, Principal Maintenance Inspector (FS59)  
[1] SUPPORT INFO: this revision incorporates AMO name and personnel changes  
[2] EFFECTIVE DATE: 2/1/2021, [3] AMENDMENT #: 23  
DATE: 2021.02.01 11:32:16 -06:00

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

A handwritten signature in blue ink, appearing to read "Sanjay Gupta", written over a horizontal line.

08 FEB. 2021

Sanjay Gupta, 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 / Dy. GM-Quality	Jindal, Sandeep	A,D
FAA Accountable Manager, 145 / Executive Director	Kumaravel, P	A,D
General Manager, Engineering	Karkhanis, C.B	A,D
Quality Manager	Gupta, Sanjay	A,D
Dy. Quality Manager/ Sr. AGM- Quality	Raghavan, K	A,D

- 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
P. Kumaravel	P.Kumarvel@airindia.in	+91 22 2623436	ALL
Sanjay Gupta	Sanjay.Gupta1@airindia.in	+91 22 2623346	ALL
C.B Karkhanis	CBK.Karkhanis@airindia.in	+91 22 26263223	ALL
Sandeep Jindal	Sandeep.Jindal@airindia.in	+91 22 26263840	ALL
K. Raghavan	K.Raghavan@airindia.in	+91 22 26263026	ALL

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



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[1] SUPPORT INFO: This amendment incorporates Air Agency name and Personnel  
changes  
[2] EFFECTIVE DATE: 2/4/2021, [3] AMENDMENT #: 31  
DATE: 2021.02.04 14:17:37 -06:00

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

*Sanjay*

*08 FEB. 2021*

Sanjay Gupta, Quality Manager

Date

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

**HQ Control: 04/03/2017**

**HQ Revision: 00b**

a. The certificate holder is authorized to use an acceptable 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. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Devon S Erriah, Principal Maintenance Inspector (FS59)  
[1] SUPPORT INFO: this revision incorporates AMO name and personnel changes  
[2] EFFECTIVE DATE: 2/1/2021, [3] AMENDMENT #: 22  
DATE: 2021.02.01 11:32:29 -06:00

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

Sanjay Gupta, Quality Manager

08 FEB. 2021

Date



**A101 . Additional Fixed Locations**

**HQ Control: 12/11/2020**

**HQ Revision: 01b**

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

**Table 1**

<b>Additional Location Address(es)</b>				
<b>Address</b>	<b>City</b>	<b>State</b>	<b>Country</b>	<b>Postal Code</b>
AIESL, Aircraft Maintenance Facility, Opp. KSEB Office, Chackai	Trivandrum	Kerala	INDIA	695007
Air India Engineering Services LTD., Plot. 1, Sector. 9, Notified Area of SEZ, MIHAN	Nagpur	Maharashtra	INDIA	441108

b. This authorizes the certificate holder to use multiple locations to perform its operations under a single certificate.

c. With the exception of the provisions of subparagraph g below, this authorization does not constitute work performed at additional location(s) outside the domiciled country.

d. The certificate holder may perform continuous operations at the facilities listed in Table 1 above.

e. All the authorizations and exemptions authorized for the certificate holder apply at these locations, as applicable.

f. Repair stations located outside the United States covered by the U.S./European Union (EU) Safety Agreement must be under the surveillance of an aviation authority (AA), hold a European Aviation Safety Agency (EASA) line station approval, and must be located within the EU Member States.

g. Repair stations with their principal place of business located within the United Kingdom of Great Britain and Northern Ireland (UK) operating under the Maintenance Implementation Procedures (MIP) are authorized additional fixed locations outside of the UK. The repair station must hold a UK Civil Aviation Authority (CAA) approval, be under direct surveillance by the UK CAA for that location, and must not be located within the United States.

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 Devon S Erriah, Principal Maintenance Inspector (FS59)  
[1] SUPPORT INFO: this revision incorporates AMO name and personnel changes  
[2] EFFECTIVE DATE: 2/1/2021, [3] AMENDMENT #: 4  
DATE: 2021.02.01 11:32:37 -06:00

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

*Sanjay*

08 FEB. 2021

Sanjay Gupta, Quality Manager

Date

**D100 . Work to be Performed at a Place Other Than the Repair HQ Control: 11/16/2004**  
**Station Fixed Location(s) HQ Revision: 050**

- a. The certificate holder may perform work at a place other than its Fixed Location (as listed in paragraph A001, and paragraph A101 if issued, of these operations specifications) provided it has the facilities, material, equipment and technical personnel to perform the work authorized in the following table.

Table 1

Work Authorized	Repair Stations Manual References	Quality Control Manual References
Limited to items listed in A003 Ratings and Limitations	Part 1.9, page. 47	N/A

- b. The certificate holder **may not** perform **continuous** operation at a facility other than the station's Fixed Location listed in paragraph A001, and paragraph A101 if issued.
- c. Line Stations . Privileges of a line station, as set forth by the EASA certificate and scope of work and located within the country where the main facility is domiciled are listed in Table 1 are authorized.
- d. Work may be due to a special circumstance or on a recurring basis. If on a recurring basis, the repair station must have procedures in its manual.

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 Devon S Erriah, Principal Maintenance Inspector (FS59)  
[1] SUPPORT INFO: this revision incorporates AMO name and personnel changes  
[2] EFFECTIVE DATE: 2/1/2021, [3] AMENDMENT #: 1  
DATE: 2021.02.01 11:32:42 -06:00

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

Sanjay Gupta, Quality Manager

08 FEB. 2021

Date