



नागर विमानन मंत्रालय
MINISTRY OF
CIVIL AVIATION



ANNUAL REPORT | 2022





Vision

“ Enable the people to have access to safe, secure, sustainable and affordable air connectivity services with World-Class Civil Aviation Infrastructure ”



Mission

- To create World-Class Civil Aviation Infrastructure facilities.
- To establish effective regulatory framework, including for safety, in harmony with international standards.
- To connect presently un-served areas of the country.
- To develop skilled human resource according to the needs of the sector.
- To deploy advanced technologies for the optimal growth of the sector.
- To ensure maximum satisfaction of users / optimize consumer satisfaction.

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1. HIGHLIGHTS

1.1 REGIONAL CONNECTIVITY SCHEME (RCS-UDAN)

The National Civil Aviation Policy (NCAP), 2016 envisages Regional Air Connectivity under Regional Connectivity Scheme (RCS). Ministry of Civil Aviation (MoCA) launched Regional Connectivity Scheme (RCS) –Ude Desh ka Aam Nagrik (UDAN) on 21.10.2016. RCS-UDAN is a flagship programme of MoCA.

The primary objective of RCS-UDAN is to facilitate / stimulate regional air connectivity and by making it affordable to masses through measures like (1) Concessions by Central Government, State Governments / Union Territories (UTs) and Airport Operators to reduce the cost of airline operations on regional routes / other support measures and (2) Viability Gap Funding (VGF) to meet the gap, if any, between the cost of airline operations and expected revenues on such routes.

After completion of the four rounds of bidding; 180 (unserved & underserved) airports including 25 water-aerodromes and 40 Helipads/Heliports have been identified under UDAN for operation of RCS flights by 2023-24.

459 RCS routes have been operationalized connecting 72 RCS airports (including 9 heliports and 2 Water Aerodromes) till date.

5 RCS airport & 1 Heliport have been operationalized during FY 2022-23 till date.

New City Pairs connected under UDAN: The routes are widely spread geographically, providing connectivity across the length

and breadth of the country, ensuring balanced regional growth.

Tourism Routes: Till date, 63 routes have been awarded and the operations of 49 routes have led to a steady growth in the arrival of foreign tourists and forex earnings thereof.

Number of RCS flight Seats: More than 1 Crore RCS flight seats annually will be provided based on 4 rounds of UDAN completed till date.

RCS-UDAN 4.2

In the Small Aircraft Scheme (SAS), 184 routes have been awarded to the Selected Airline Operators for the operation of RCS flights connecting 23 New destinations with Heliports (Shella, Khliehrat, Nongstoin & Jowai), 11 Water Aerodromes (Mayabunder, Kaziranga, North Goa, South Goa, Dwarka, Dalhousie, Kalpeni, Bitra, Kadmat, Kiltan & Bangaram) & unserved airports (Daltonganj, Karwara, Datia, Pachmarhi, Amarda, Sriganganagar, Kailashahar & Malda).

RCS-UDAN 4.3

In UDAN-4.3 round of bidding, 10 Tourism RCS routes have been awarded to the Selected Airline Operators for the operation of RCS flights connecting 01 new destination i.e. Hollongi in Arunachal Pradesh.

Under RCS UDAN scheme, 3 lakhs passengers flew during FY 2017-18, 12 lakhs passengers flew during FY 2018-19, 31 lakhs passengers benefited during FY 2019-20, 15 lakhs passengers benefited during FY 2020-21, 33 lakhs passengers

benefited during FY 2021-22 & 20 lakhs passengers benefited during FY 2022-23 till date.

Total passenger flown till date 113 Lakhs (Approx).

IACS-4

Under International Air connectivity schemes IACS-UDAN 4.0 round of bidding for Selection of Airline(s), 8 international routes have been awarded to the Selected Airline Operators.

1.2 KRISHI UDAN

Perishables Tonnage Pan India for FY 2021-22 is 2,54,817 MTs.

Perishables Tonnage Pan India (including JV airports) till November, 2022 is 1,64,925 MTs.

5 more airports added to Krishi Udan 2.0 taking the total airports to 58.

1.3 OPERATION GANGA

More than 22500 Indian nationals were safely rescued from Ukraine by operating a total of 90 evacuation flights over the period from 1st February to 11th March 2022. The cost of fare for the evacuation flights pursuant to closure of Ukrainian airspace was borne by the Government of India.

1.4 RESUMPTION OF COMMERCIAL SCHEDULED INTERNATIONAL FLIGHTS

The scheduled commercial international passenger services were resumed from 27th March, 2022 with the requirement of all such operations continue to follow the SOPs issued by the MoHFW as amended from time to time.

1.5 INDIA'S CONTRIBUTION IN CORSIA/LTAG RESOLUTION BY INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)

On 27th January 2022, a watershed event in the form of a high-level meeting of nine like-minded countries (LMC) in the ICAO Council was organized at the initiative of Delegation of India. India was in talks with the LMCs and other ICAO Member States to negotiate the baseline in favor of the developing States and has succeeded in this endeavor. With active support for like-minded countries, India has strongly advocated and has been able to lower the CORSIA baseline to 85% of 2019 emission to benefit Indian carriers along with reduction in 'Individual Growth Factor' for compliance cycles.

For ICAO's Long Term Aspirational Goals (LTAG), India's consistent efforts have successfully resulted in Resolutions being passed by the ICAO General Assembly for allowing national time frames, to not include any mandatory targets that could lead to punitive measures; and to incorporate the principle of common but differentiated responsibilities in LTAG.

1.6 INDIA'S RE-ELECTION TO ICAO COUNCIL

During the 41st General Assembly of ICAO, India has been re-elected to the ICAO Council (2022-2025) under Part II, comprising of countries which make the largest contribution to the provision of facilities for international civil air navigation.

1.7 e-GCA - e GOVERNANCE IN SERVICE DELIVERY BY DGCA

The e-GCA project was initiated on 14 May, 2019 and completed on 31 July, 2021. A total of 298 services/functions of

DGCA have been made live through the e-GCA platform. The e-GCA project aims to provide transparency, accountability and ease of doing business through digital transformation of DGCA process and functions.

1.8 FLYING TRAINING ORGANISATIONS (FTO)

There are 34 DGCA-approved FTOs operating at 52 bases in the country. FTO at IGRUA at Amethi (UP) is under the Central Government, 8 are under State Governments and 25 are owned by the private sector. During 2022, four new bases became operational.

The no. of CPLs issued during the year 2017, 2018, 2019, 2020, 2021 and 2022 were 552, 640, 744, 578, 863 and 1165 respectively.

1165 CPLs were issued in 2022, an all-time high.

1.9 ICAO AUDIT OF DGCA

A team of Auditors from International Civil Aviation Organization (ICAO) conducted an audit of Directorate General of Civil Aviation (DGCA) from 09.11.2022 to 16.11.2022. During the closing briefing, the ICAO team informed DGCA that the Effective Implementation of India has increased to 85.49% from the previous 69.95%.

1.10 DISINVESTMENT OF AIR INDIA

The process of strategic disinvestment of 100% stake of Government of India in Air India (AI) along with equity shareholding of Air India in Air India Express (AIXL) and AISATS completed on 27.01.2022. The



winning bid was of M/s Talace Pvt Ltd, a wholly owned subsidiary of M/s Tata Sons Pvt. Ltd for Rs.18,000 crore as Enterprise Value (EV) consideration for AI (100% shares of AI along with AI's shareholding in AIXL and AISATS). M/s Talace Pvt Ltd deposited the cash component of Rs. 2,700 crore (15% of Rs. 18,000 crore) in the account of Department of Investment and Public Asset Management (DIPAM) and took over the debt of Rs.15,300 crore (85% of Rs.18,000 crore).

After the strategic disinvestment of Air India, Air India Express Limited (AIXL) and Air India SATS Airport Services Private Limited (AISATS), the remaining subsidiaries of the erstwhile Air India Ltd. i.e. AI Engineering Services Ltd. (AIESL), AI Airport Services Ltd. (AIASL), Alliance Air Aviation Ltd.(AAAL) and Hotel Corporation of India Ltd. (HCIL) have been transferred to AI Assets Holding Limited (AIAHL), a Special Purpose Vehicle created to facilitate the strategic disinvestment of Air India and these are at present subsidiaries of AIAHL. Process of disinvestment of these subsidiaries has been initiated.

1.11 DIGIYATRA

Digi Yatra policy is an initiative launched by Ministry of Civil Aviation for providing passengers seamless and hassle-free experience at airports without the need for verification of ticket and ID at multiple touch points. Digi Yatra has been launched by Hon'ble Minister of Civil Aviation on 01.12.2022 at Delhi, Bangalore and Varanasi Airports. Digi Yatra App is available at android as well as iOS platform.

1.12 RATIONALISATION OF TAX ON ATF

17 States/UTs have reduced VAT on ATF

of which 15 States/UTs have reduced VAT on ATF between 1% to 5% while Karnataka has reduced VAT from 28% to 18% and recently Goa has also reduced VAT from 18% to 8%.

1.13 C-295 AIRCRAFT MANUFACTURING FACILITY IN GUJARAT

Hon'ble Prime Minister of India laid the foundation of India's First Transport Aircraft Manufacturing Facility on 30 October, 2022 in Vadodara, Gujarat for Production of C-295 Aircraft in India. 40 aircrafts will be manufactured in India by TATA consortium, led by Tata Advanced Systems Limited (TASL) and delivered from September, 2026 to August, 2031.

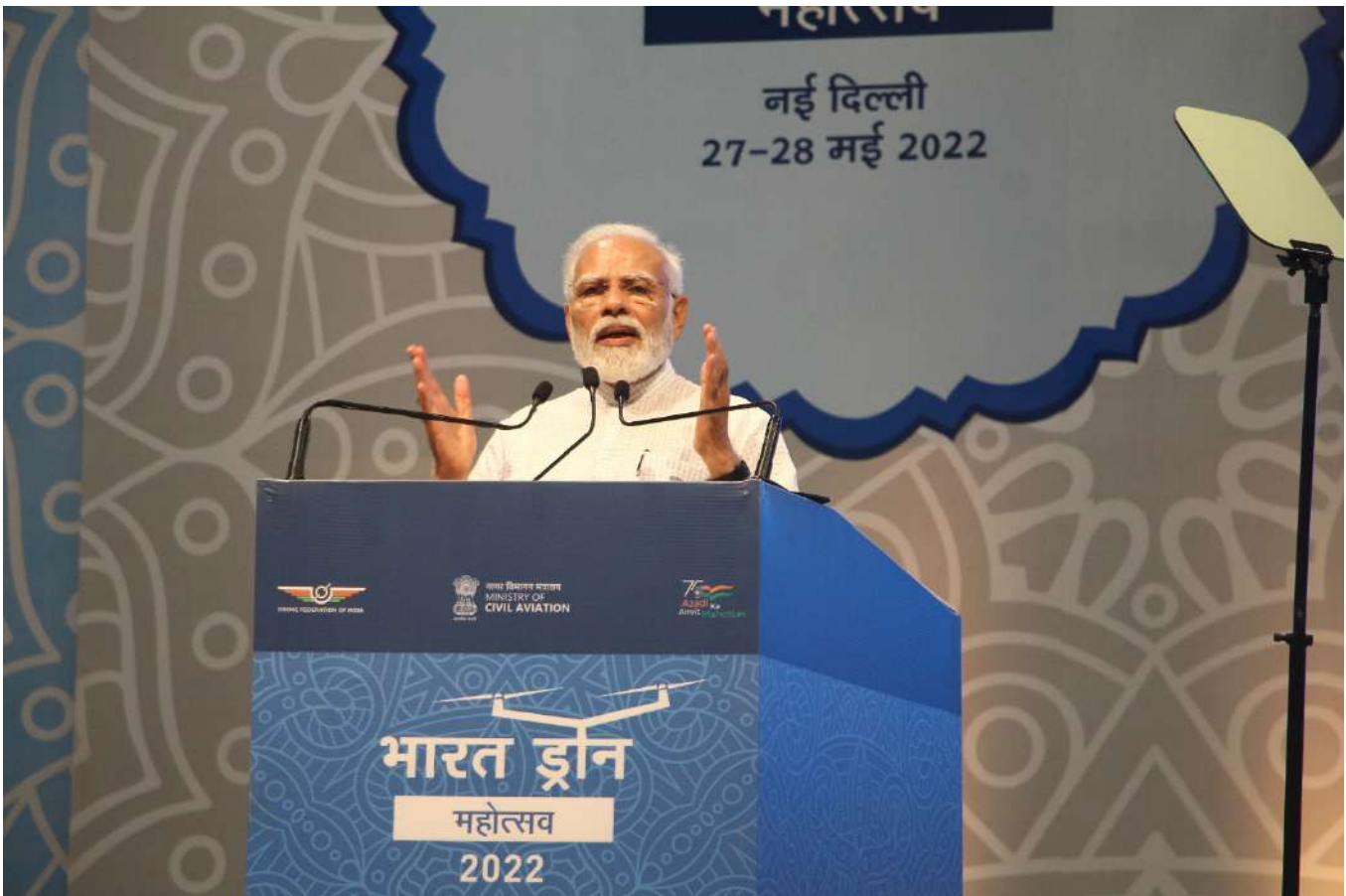
1.14 DRONES

Drones offer tremendous benefits to almost all sectors of the economy. These include – agriculture, medical supplies, disaster relief, geo-spatial mapping, surveillance, project monitoring, defence and law enforcement to name a few. Drones can be significant creators of employment and economic growth due to their reach, versatility, and ease of use, especially in India's remote and inaccessible areas.

The Government of India has taken several steps to provide the framework for proliferation of Drones across sectors and also to make India a Drone Hub of the World.

The liberalised Drone Rules, 2021 notified, drone airspace map published, nearly 90% of Indian airspace opened as a green zone for drone flying up to 400 feet.

All five application forms under Drone Rules, 2021 have been made online on the DigitalSky Platform on 26th January 2022



A grand Bharat Drone Mahotsav 2022 was organised at Pragati Maidan during 27th-29th May 2022 in the august presence of the Hon'ble Prime Minister as the Chief Guest. The event attracted over 70 drone exhibitors and 10,000 visitors, including school-children.

To promote start up in Drone Sector, Production-Linked Incentive (PLI) scheme for drones and drone component notified. Total allocation under the scheme spread over three financial years is Rs. 120 crore.

Project Management Agency (PMA) has been appointed and the PLI guidelines have been notified on 29 November 2022

As on 31 Dec 2022, 5714 Unique Identification Numbers (UIN) have been issued. 38 drone schools have been approved. The total number of Type Certificates issued as on 31 Dec 2022 is eight.

In order to enable complex operations of drones, increase the overall safety in the UTM airspace and provide situational awareness to stakeholders, Unmanned Aircraft System (UAS) Traffic Management (UTM) Policy framework, 2021 has been released on 24 Oct 2021.

1.15 AIRPORTS

The number of airports has gone up from 74 in 2014 to 147 in 2022. We aim to take this to 220 by 2024-25. Under National Infrastructure Pipeline (NIP), CAPEX of more than Rs.98000 crore is likely to be incurred during the period FY 2019-20 to FY 2024-25, where AAI would be incurring approx Rs. 25000 crore and remaining expenditure shall be borne by airport developers under PPP mode.

AAI has made a capital expenditure of more than Rs. 20,000 crore in last 8 years to boost the Civil Aviation sector.

Government of India (GoI) has formulated a Greenfield Airports (GFA) Policy, 2008 which provides guidelines, procedure and conditions for establishment of new Greenfield Airports in the country. As per Policy, an Airport Developer including the State Government willing to establish an airport is required to send a proposal to Ministry of Civil Aviation (MoCA) in the prescribed format (available at www.civilaviation.gov.in) for a 2-stage process i.e. 'Site Clearance' followed by 'In-Principle' approval.

Government of India has so far accorded 'In-Principle' approval for setting up of 21 Greenfield Airports across the country namely, Mopa in Goa, Navi Mumbai, Shirdi and Sindhudurg in Maharashtra, Kalaburagi, Bijapur, Hassan and Shivamogga in Karnataka, Dabra (Gwalior) in Madhya Pradesh, Kushinagar and Nodia (Jewar) in Uttar Pradesh, Dholera and Hirasar in Gujarat, Karaikal in Puducherry, Dagadathi, Bhogapuram and Oravakal (Kurnool) in Andhra Pradesh, Durgapur in West Bengal, Pakyong in Sikkim, Kannur in Kerala and Hollongi (Itanagar) in Arunachal Pradesh.

Out of these, 10 Greenfield airports projects namely, Durgapur, Shirdi, Sindhudurg, Pakyong, Kannur, Kalaburagi, Oravakal, Kushinagar, Donyi Polo Airport (Itanagar) and Manohar International Airport-Mopa, Goa have become operationalized.

DHOLERA Greenfield AIRPORT: Cabinet Committee on Economic Affairs in the meeting held on 14.06.2022 has accorded its approval to take up development of Phase I of New Greenfield Airport at Dholera, Gujarat at an estimated cost of Rs. 1305 crore, to be completed within 48 months.



INAUGURATION OF VARIOUS GREENFIELD AIRPORTS / TERMINALS

- (i) **Donyi Polo Airport, Itanagar:** Donyi Polo Airport, Itanagar, the first Greenfield Airport of Arunachal Pradesh has been inaugurated by the Hon'ble Prime Minister on 19.11.2022 and the airport is operational since 28.11.2022.
- (ii) **Manohar International Airport, Mopa, Goa:** A new Greenfield Airport in the State of Goa at Mopa has been inaugurated on 11.12.2022 by the Hon'ble Prime Minister. (Airport has been operationalized from 05.01.2023)
- (iii) **Terminal -2 Bengaluru International Airport:** Terminal T-2 of Bengaluru International Airport (BIAL) has been inaugurated on 11.11.2022 by the Hon'ble Prime Minister. (commencement of Domestic operations from T2 started from 15.01.2023).
- (iv) **Deoghar Airport:** Deoghar Airport developed by a joint venture of Airports Authority of India, Defence Research and

Development Organisation (DRDO) and State Government of Jharkhand has been inaugurated by Hon'ble Prime Minister on 12.07.2022.

- (v) Foundation Stone was laid by Hon'ble Prime Minister for manufacturing of C-295 aircrafts for Indian Air Force at Vadodra Airport of Airports Authority of India on 30.10.2022.

1.16 FLEXIBLE USE OF AIRSPACE

Optimum use of national airspace by fully implementing the concept of Flexible Use of Airspace (FUA) has been suggested by the Ministry of Civil Aviation under the Atma Nirbhar Bharat vision. Indian Air Force (IAF) controls 30% of national airspace out of which 30% has been released as upper airspace under Flexible Use of Airspace. Regional Airspace Management Cells (AMCs) are established at Delhi and Chennai and the National AMC is established at Delhi. Till date, 128 Conditional Routes (CDRs) have been promulgated under FUA. This will lead

to significant savings in flight time, fuel usage and reduction in carbon emission. The potential savings to the airlines will be to the tune of Rs. 1000 crore per annum.

1.17 PASSENGER GROWTH

Domestic Routes:

During the year 2022 (January-December), Scheduled domestic airlines operated a total number of 9.43 lakh scheduled flights carrying a total of 123.2 million scheduled passengers as against 7.31 lakh scheduled flights carrying total of 82.74 million scheduled passengers during the previous year 2021 (January-December). The number of domestic passengers carried by scheduled domestic Indian Carriers has witnessed a growth of 48.9 percent in the year 2022 as compared to the previous year 2021 (up to 31st December).

International Routes:

During the period January to December 2022 a total of 43.4 million passengers

were carried on international routes by Scheduled Indian/foreign carriers as against 17.2 million in the corresponding period in 2021, thereby witnessing a growth of 152.7 %. Out of the 43.4 million passengers, 20.9 million passengers were carried by Scheduled Indian carriers while 22.5 million passengers were carried by scheduled foreign carriers during the period January to December 2022.

1.18 SCHEDULED OPERATORS

As on 31st December 2022, there were fifteen (15) scheduled/scheduled commuter operators viz. Air India Ltd., Alliance Air, Air India Express Ltd., Jet Airways(India) Ltd., SpiceJet Ltd., Go Airlines (India) Pvt. Ltd., Inter Globe Aviation Ltd. (Indigo), Air Asia Pvt. Ltd., Tata SIA Airlines Ltd. (Vistara), SNV Aviation Pvt. Ltd. (Akasa Air), Ghodawat Enterprises Pvt. Ltd. (Star Air), GSEC Monarch and Deccan Aviation Pvt. Ltd. (IndiaOne Air); Aviation Connectivity and Infrastructure Developers Pvt. Ltd.(AIR TAXI), Big Charter Pvt. Ltd.(Fly Big), Pawan





Inauguration of Dony Polo at Itanagar by Hon'ble Prime Minister



Hans Ltd. operating on the domestic sector providing a wide choice of flights and connectivity to various parts of India. In addition there are two cargo airlines viz. Blue Dart Aviation Ltd. and Quick Jet Cargo Limited operating scheduled cargo services in the country. Further, SpiceJet Ltd. was also operating Cargo Operations with five (5) B737 Freighter aircraft.

During this year, three Scheduled Operator Certificates (GSEC Monarch and Deccan Aviation Pvt. Ltd. (India One Air), SNV Aviation Pvt. Ltd. (Akasa Air) and Quick Jet Cargo Limited) were issued.

1.19 NON-SCHEDULED OPERATORS

During the period from January to December 2022, 15 new NSOPs were granted and as on 31.12.2022, 103 companies are holding Non-Scheduled Operator's Permit, as against 94 companies as on 31.12.2021.

1.20 EASE OF DOING BUSINESS

Comprehensive amendments in Aircraft Rules, 1937 extending validity of various

licenses etc. with an objective towards ease of doing business notified in official gazette on 08.04.2022.

1.21 INCLUSIVE TRANSPORTATION FACILITIES FOR PERSONS WITH DISABILITIES (PWD)

There has always been the need to provide equal opportunities and protection of rights which provides non-discrimination in transport to Persons with Disabilities. The long pending issue has been addressed by the Government by launching Accessible India Campaign (Sugamya Bharat Abhiyan) as a nation-wide Campaign for achieving universal accessibility for Persons with Disabilities (PwDs) on December 3, 2015. It has three important verticals, namely - the Build Environment, the transportation sector and the ICT ecosystem. The Ministry of Civil Aviation has formulated the guidelines in respect of the whole Civil Aviation sector to make this campaign a success. The same have been furnished to the Department of Empowerment of Persons with Disabilities in April, 2022 and notified in January 2023.

1.22 FARE CAPPING IN AVIATION SECTOR DURING COVID-19

The COVID-19 pandemic had adversely impacted the revenue streams of businesses including aviation sector. Under normal circumstances, airfares are neither established nor regulated by the Government. However, due to the unprecedented circumstances, fare bands with upper and lower limits were introduced by the Government as a special measure. The fare bands served the dual purpose of protecting the interests of the travelers as well as of the airlines.

The fare bands were revised from time to time in view of substantial hike in price of Aviation Turbine Fuel (ATF) in order to keep the aviation sector viable while protecting the interests of the passengers. Presently, the lower as well as upper air fare cap has been removed w.e.f 31.08.2022.

1.23 BILATERAL AGREEMENTS

India has formalized Open sky as per National Civil Aviation Policy 2016 with Maldives (April 2022) and Canada (July 2022). India successfully negotiated Memorandum of Understanding (MoU) with Switzerland, Nigeria, Ethiopia, DR of Congo, Sudan and Zimbabwe in the year 2022.

1.24 INDIA AIR CARGO

AAI has created a 100% wholly owned subsidiary namely AAI Cargo Logistics and Allied Services Company Limited (AAICLAS) which was incorporated on 11th August 2016, by demerging its cargo department so as to meet growing need of Air Cargo development at all AAI Airports in the country.

AAICLAS is also organizing the air cargo operations in all AAI managed airports.

During the financial year 2022-23, AAICLAS has commenced Domestic Air Cargo Operations through domestic passenger terminal at 6 airports namely Kolhapur, Jorhat, Kalaburagi, Bhavnagar, Tezpur, Hindon and dedicated cargo terminal at 3 airports namely Srinagar, Amritsar, Mangalore. AAICLAS has commenced International Air Cargo Operations with Regulated Agent (RA) Operations from 3 airports namely Trichy, Srinagar (New Facility), Jaipur (New Facility).

Regulatory authority and other Participating Government Agencies (PGAs) such as Customs, FSSAI, APHO, Plant Quarantine, Animal Quarantine, Drug Controller, etc. are available within the international air cargo terminals at major Indian airports, for getting necessary clearances without delays under a single roof.

Clearances are processed through online systems such as Indian Customs EDI GATEway (ICEGATE) which is integrated with other regulatory authorities such as Drug Controller, Plant Quarantine, Animal Quarantine, FSSAI, etc. for quick single window clearance & processing system, which helps exporters process their shipments from their locations under the Single Window Interface for Facilitating Trade (SWIFT) project.

Additionally, in line with Gol's Digital India initiative, and in order to ease the process of trade and for boosting Indian exports, AAICLAS has implemented Integrated Cargo Management System (ICMS) at various AAICLAS facilities across India, for ease of access and trade, with online access & payments, mobile accessibility, etc. Exporters can process Terminal Storage and Processing charges and other related information from the ease of their locations.



All Air Cargo Terminal Operators, JV/PPP airports & AAICLAS are linked with Unified Logistics Interface Platform (ULIP) project of Ministry of Commerce & Industries which is a common platform of sharing information/data of different orders of transportation. The same was formally inaugurated by Hon'ble Prime Minister of India on 17.09.2022.

Cargo handling in India increased to 3.14 MMT in FY 2021-22 from 2.47 MMT in FY 2020-21. So far in the current financial year, till Nov 2022, 2.13 MMT of Air cargo has been handled.

1.25 AIRCRAFT LEASING & FINANCING

To promote Aircraft leasing and financing from International Financial Services Centres Authority (IFSCA), the Government of India has provided a competitive regime for Aircraft leasing entities in IFSCA, Gujarat International Finance Tec-City (GIFT City) in Gandhinagar. The incentives available for leasing through IFSCA include:

100% tax holiday for a period of 10 consecutive years out of a block of first 15 years

Tax holiday extended for capital gains on transfer of aircraft during the tax holiday (Finance Act, 2021)

Interest and royalty payment made by Aircraft leasing entities to non-residents not taxable. (Finance Act, 2021)

IFSCA issued 'Framework for Aircraft Leases' on 18 May 2022, to enable the aircraft leasing business in IFSCs in India.

As on 31 December, 2022, 13 aircraft leasing entities are registered with IFSCA as against the target of twelve(12) to conduct operations from GIFT-City Gujarat. Additionally, five other applicants have been granted in-principle approval.

A total of 14 aircrafts have been leased by aircraft leasing entities registered from GIFT IFSC as of 31 December, 2022.

1.26 HAJ OPERATIONS

Haj 2022 operations commenced from 4th June, 2022 and completed on 13th August, 2022 smoothly and successfully. Three airlines i.e Saudi Arabian Airlines, Spicejet and Flynas carried 56,634 pilgrims from 10 embarkation points across India to Jeddah/ Madinah and back.

2. MINISTRY OF CIVIL AVIATION

2.1 ORGANIZATION

Ministry of Civil Aviation (MoCA) has following organizations under its administrative control:-

Attached Offices / Organizations

Directorate General of Civil Aviation (DGCA)

Bureau of Civil Aviation Security (BCAS)

Commission of Railway Safety (CRS)

Aircraft Accident Investigation Bureau (AAIB)

Autonomous Body

Airports Economic Regulatory Authority (AERA)

Indira Gandhi Rashtriya Uran Akademi (IGRUA)

Rajiv Gandhi National Aviation University (RGNAU)

Public Sector Undertakings

Airports Authority of India (AAI)

Pawan Hans Limited (PHL) -Disinvestment is underway

AI Asset Holding Limited (AIAHL) and its subsidiaries

2.2 The Ministry of Civil Aviation is responsible for formulation of national policies and programmes for the development and regulation of the Civil Aviation sector in the country. It is responsible for the administration of the Aircraft Act, 1934, Aircraft Rules, 1937 and various other legislations pertaining to the aviation sector in the country.

2.3 In addition to primary functions of framing of policies, the Ministry provides guidance to the organizations in the implementation of policy guidelines, monitors and evaluates their activities and also provides their interface with Parliament. It also supervises implementation by the organizations of special programmes of the Government, particularly those intended for weaker sections of society.

2.4 Secretary, Ministry of Civil Aviation is assisted by four Joint Secretaries, one Senior Economic Advisor, one Joint Secretary & Financial Advisor, one Chief Financial Controller, One Deputy Director General, seven officers of the level of Director / Deputy Secretary / Financial Controller and twelve officers of the level of Under Secretaries / Assistant Financial Controller. Functions of the Ministry are distributed amongst seventeen sections.

ORGANIZATIONAL STRUCTURE OF MINISTRY OF CIVIL AVIATION



Shri Jyotiraditya M. Scindia
Minister of Civil Aviation



General (Retd.) Dr. Vijay Kumar Singh
Minister of State for Civil Aviation



Shri Rajiv Bansal
Secretary, Civil Aviation



Shri Piyush Srivastava
Sr. Economic Advisor



Shri Satyendra Kumar Mishra
Joint Secretary



Ms. Usha Padhee
Additional Secretary



Ms. Rubina Ali
Joint Secretary



Shri Amber Dubey
Joint Secretary



Shri Vimalendra Anand Patwardhan
Joint Secretary & Financial Advisor



Shri Vanlaldina Fanai
Chief Financial Controller



Shri P. K. Thakur
Deputy Director General

Heads of Attached Offices:

Directorate General of Civil Aviation: Shri Arun Kumar, DG

Bureau of Civil Aviation Security: Shri Zulfiquar Hasan, DG

Commission of Railway Safety : Shri Shailesh Kumar Pathak, CCRS

Aircraft Accident Investigation Bureau: Ms Puja Singh Mandol, DG (Additional Charge)

Heads of Autonomous Bodies:

Airports Economic Regulatory Authority of India: Shri B.S. Bhullar, Chairperson

Indira Gandhi Rashtriya Uran Akademi (IGRUA): Shri Krishnendu Gupta, Director

Rajiv Gandhi National Aviation University: Shri P. K. Thakur (Acting Registrar)

Heads of Public Sector Undertakings:

Airports Authority of India: Shri Sanjeev Kumar, Chairman

Air India Assets Holding Limited: Shri Vikram Dev Dutt, CMD

Pawan Hans Limited: Shri Sanjeev Razdan, CMD

2.5 RECORD MANAGEMENT

Record Retention Schedule of records relating to substantive functions of Ministry of Civil Aviation is available in the Ministry's website in compliance to the Right to Information Act., 2005.

2.6 IMPLEMENTATION OF e-HRMS

An online system viz. e-HRMS has recently been introduced by DoP&T as a flagship programme for various establishment work for recording and maintenance of Service records, leave, LTC, Advances

& Reimbursement etc. Ministry of Civil Aviation is amongst the few Ministries which have been selected for implementation of e-HRMS in first phase.

2.7 CENTRAL SECRETARIAT CADRE MANAGEMENT SERVICES (CSCMS)

Department of Personnel & Training revamped the CSCMS portal to enable exclusive online delivery of services to the employees of the cadres of Central Secretariat Services (CSS), Central Secretariat Stenographers' Services (CSSS) and Central Secretariat Clerical Services (CSCS). Accordingly, the revamped CSCMS Portal has been implemented in Ministry of Civil Aviation for processing various types of service matters for speedy disposal. In order to achieve the same, the details in respect of all the employees of CSS/CSSS/CSCS cadres of this Ministry were updated on the portal in timely manner.

2.8 SPECIAL CAMPAIGN 2.0

The Ministry of Civil Aviation organized the "Special Campaign 2.0 for Swachhta" from 2nd to 31st October 2022 and its major objectives were the disposal of pending matters, weeding out old/redundant files and the overall cleanliness of the offices and space management.

During the campaign, 582 Public Grievances and 145 PG Appeals were cleared. Further, 43224 physical files were reviewed, out of which 32,919 physical files were weeded out, 42,786 square feet of space was freed and revenue of Rs. 2,65,91,760/- was generated. The campaign covered 134 locations across the country, including those at the farthest part of the country and remote locations.

Several best practices including installation of sanitary napkin vending machines at

female washrooms, distribution of jute bags to stop use of plastic, conservation of water body, promoting solar energy and green building concept at the Airports and other steps aimed at facilitation of the passengers at the airports were observed.

Minister of Civil Aviation Shri Jyotiraditya M. Scindia administered the oath of cleanliness (Swachhta ki Shapath) to the officials of the ministry and encouraged them by participating in the cleanliness drive. The Minister inspected the campaign at multiple occasion and gave necessary directions to the officials.

The Special Campaign 2.0 was run with a focus on the field/outstation offices. Offices responsible for service delivery or those involving public interface were given special attention.

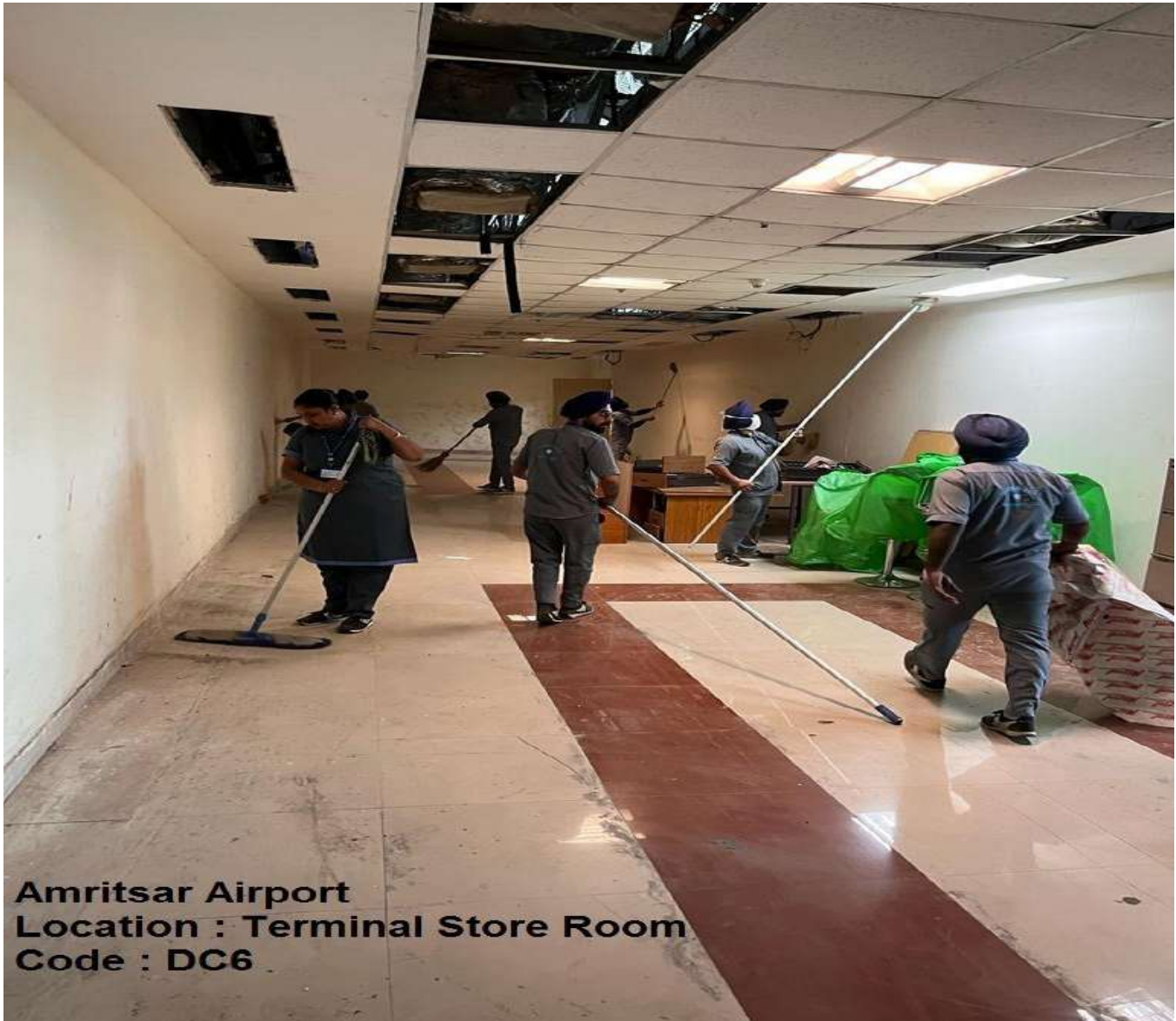
Ministry of Civil Aviation, its attached offices such as DGCA, BCAS, CRS & AAIB, related autonomous bodies such as AERA, IGRUA & RGNAU, PSUs such as AAI, AIAHL, and PHL had actively participated in the campaign by sensitizing their officers, mobilising ground functionaries, appointing nodal officers, and working to meet the milestones of the campaign.







Amritsar Airport
Location : Terminal Store Room
Code : AC6



2.9 PUBLIC GRIEVANCES REDRESSAL MACHINERY

2.9.1 The Centralized Public Grievances Redressal and Monitoring Systems (CPGRAMS)

The Centralized Public Grievances Redressal and Monitoring Systems (CPGRAMS), which is a web-based on-line public grievance handling system, was introduced and developed by the

Department of Administrative Reforms & Public Grievances (DARPG). The system has been implemented in the Ministry for prompt and effective disposal of the grievances from 01.01.2008.

In the year 2022, a total of 10,052 public grievance cases were received on-line, out of which, 10,766 cases (including previous backlog), i.e. 107 % approximately, have been disposed of through the CPGRAMS. A

Deputy Secretary / Director level officer has been designated as the “Public Grievances Officer” in the Ministry. All organizations working under the administrative control of the Ministry too have full-fledged public grievance redressal machinery headed by respective designated “Nodal Officers”.

2.9.2 AirSewa

AirSewa enables travelers to submit grievances and seek information on air travel in India. It is an initiative by Ministry of Civil Aviation. The AirSewa QR code has been displayed through standees, Flight Information Display System (FIDS) etc at strategic locations at over 80 airports to promote the AirSewa Portal. AirSewa QR code is also printed on the boarding cards and tickets of the airlines. The names of top 6 stakeholders with largest number of pending grievances are being shown prominently on MoCA website along with the daily date regarding pending and resolved grievances.

2.10 RIGHT TO INFORMATION ACT, 2005

Right to Information Act, 2005 had been introduced to provide the citizens secure access to information under control of public authority. This also promotes transparency and accountability in the working of every public authority, as well as timely disposal of citizen’s request.

To implement the Act, 13 CPIOs and 8 Appellate Authorities have been

designated in this Ministry. With the increased awareness among the people about RTI Act, 2005, a large number of applications / appeals were received in this year through online/mail. A total of 1625 applications and 80 appeals were received during the year 2022. All efforts were made to dispose of these applications and appeals within the prescribed time.

2.11 VIGILANCE ACTIVITIES

2.11.1 The Vigilance Division of this Ministry is headed by a Chief Vigilance Officer (CVO) of the rank of Joint Secretary, appointed in consultation with the Central Vigilance Commission, who functions as the nodal point in the vigilance set up. The CVO is assisted by a Director, an Under Secretary and the Vigilance Section. The Vigilance Section, inter-alia, monitors and coordinates vigilance activities of the main Ministry as well as of Public Sector Undertakings, Attached/subordinate offices and Autonomous Bodies under the administrative control of the Ministry.

2.11.2 There are full time CVOs in the PSUs under this Ministry viz., Airports Authority of India and Pawan Hans Ltd. who are appointed by ACC. While, main Ministry, DGCA, AERA, AAIB, AIAHL, RGNAU, IGRUA have part-time CVOs, who are appointed in consultation with the CVC. Further, appointment of CVO in CRS and BCAS is under consideration.

Status of CVOs - Ministry of Civil Aviation

S. No	Organization name	CVO post Full/part time	CVO Name	Designation
1	Ministry (main)	Part time	Shri Satyendra Kumar Mishra	JS & CVO
2	AERA	Part time	Shri Satyendra Kumar Mishra	JS & CVO (holding additional charge of CVO/AERA)
3	AAIB	Part time	Shri Satyendra Kumar Mishra	JS & CVO (holding additional charge of CVO/AAIB)
4	DGCA	Part time	Smt. Puja Singh Mandol	CVO & Jt. DG (Admn.)
5	AAI	Full time	Shri Amal Garg	CVO, AAI
6	Pawan Hans Ltd.	Full time	Shri Amal Garg	CVO, AAI (holding additional charge of CVO/PHL)
7	AIAHL	Part time	Shri Amal Garg	CVO, AAI (holding additional charge of CVO/AIAHL)
8	RGNAU	Part time	Shri Amal Garg	CVO, AAI (holding additional charge of CVO/RGNAU)
9	IGRUA	Part time	Shri Amal Garg	CVO, AAI (holding additional charge of CVO/IGRUA)

2.11.3 Preventive Vigilance: Preventive Vigilance is given priority attention with primary emphasis on identification of sensitive areas. The guidelines/instructions issued by the Department of Personnel & Training and Central Vigilance Commission from time to time in this regard are followed.

2.11.4 Agreed List and ODI List: The 'Agreed list-2022' and 'List of officers of doubtful integrity-2022' were prepared and shared with CBI.

2.11.5 Disciplinary Cases: For the calendar year 2022, Opening Balance of disciplinary case was 01, during the year 2022 no new disciplinary case was initiated. Thus, as on 31.12.2022 there was only 01 disciplinary case pending in Vigilance Division of the Ministry.

2.11.6 Complaints: For the calendar year 2022, Opening Balance (OB) of complaints was

12, complaints received during the year were 88, complaints disposed were 91 and the closing balance was 09.

2.11.7 Vigilance Clearance: The requests for granting vigilance clearance were received in respect of more than 200 employees during the year 2022, which were processed and disposed as per procedure.

2.11.8 Reports:

Probity Report containing details like minor penalty, major penalty, Sanction for Prosecution, FR 56 (J) etc. in respect of Ministry (main), DGCA, BCAS and CRS is compiled and uploaded on DoPT's portal on monthly basis.

Quarterly Performance Report relating to complaints, inspection, audit, pending inquiry, disciplinary proceedings, cases forwarded to CBI etc. is prepared and uploaded on the CVC's portal.

Quarterly Performance Report on Action Plan for Anti-Corruption Measures relating to disciplinary cases, complaints, inspection etc. is prepared and forwarded to DoPT on Quarterly basis.

2.11.9 Observance of Vigilance Awareness Week-2022:

Vigilance Awareness Week was observed from 31st October to 06th November, 2022 with the theme **"Corruption Free India for a developed Nation"** in the main Ministry as well as Attached/Subordinate offices and Autonomous Bodies under this Ministry.

It commenced with the 'Integrity pledge' administered by Secretary, Civil Aviation on 31.10.2022 at 11:00 am to the officers/officials of Ministry of Civil Aviation.

Apart from above, a link for E-pledge (which was available on CVC website) was also provided on Ministry's website and all the officers and staff of the Ministry was encouraged to take E-pledge. Banners and posters were displayed at prominent locations/places in the office.

To spread awareness amongst officials and realign them with the vigilance deeds, Vigilance Division of the Ministry organized several programs. The week-long programs included Picture Description writing, Quiz, Poster Making and Slogan Writing Competitions for officials of the Ministry.

A workshop on 'Preventive Vigilance' was conducted in the Ministry on 02.11.2022 with an expert in the field. The purpose of the workshop was to sensitize officers/officials to reduce occurrence of lapses to curb corruption.



As part of vigilance awareness week, 5098 old files were identified and weeded out.

Further, the following updations were carried out in the Ministerial Website based on the observations and suggestions of Vigilance Division:

Attached organization was added under attached office, MoCA on the website.

Name of the Vice Chancellor of RGNUA was updated. Name of former acting VC of RGNUA was removed.

'Who is who' list was updated on the website by removing names of previous officers.

Work Allocation chart was updated by removing name of Officers who had left the office.

Recruitments were being made but the same were not notified in the 'Recruitment Section' of the Website. The concerned division i.e. SD & IT has been advised to put all the vacancies in the 'Recruitment Section' of the Website.

All the activities conducted in the Ministry were widely publicized through social media such as Twitter, Facebook, Instagram were extensively used.

2.11.10 Inspection of General Section: An inspection of General Section, MoCA was conducted by Vigilance Division, MoCA. The inspection was related to "Procurement done outside GeM during the financial year 2020-21". General Section had provided a list of total 128 Goods/Services which were procured outside GeM during 2020-21. Out of these 128 items, 10 random items were chosen for detailed scrutiny. After examination, a detailed Vigilance Investigation Report was prepared and shared with General

Section. Systematic improvements in procurement process were also suggested.

2.11.11 Inspection of Agreement Section:

An inspection of Agreement Division, MoCA was taken up by Vigilance Division. The inspection relates to cases where permission to operate charter flights has been granted by Agreement Division, in the year 2022. At present, the detailed scrutiny of such cases is under process.

2.11.12 Review of rotational transfer in Ministry:

A complaint was received from CVC pertaining to rotational transfer of officials working at sensitive posts in the Ministry of Civil Aviation. The matter was taken up with Admn Division and it was advised to follow the guidelines of CVC on the subject matter and rotate / transfer all officers working on sensitive post to different sections and submit a compliance report. Subsequently, Admn Division sent a compliance report in the matter which was conveyed to the Commission.

2.11.13 Systemic Improvement Suggestions :

Detailed investigation was conducted and Systemic Improvements were suggested in various cases viz. Granting authorization for introduction of commercial service in the Tinpahar-Bonidanga section of Malda Division; Irregular issue of 1st Class Railway Duty Passes in the office of the Commissioner of Railway Safety, Eastern Circle Kolkata; Irregularities in the appointment of AFIs at IGRUA; Flouting the rules and norms by joining two flats at Civil Aviation department colony, Jorbagh, New Delhi.

2.11.14 First Stage Advice of CVC :

As per advice of the CVC, the complaint made by Norwegian Special Mission, for alleged irregularities in AAI tender regarding procurement of two Aircrafts fitted with Automatic Flight Inspection System, was examined; a detailed Vigilance

Investigation Report was prepared and submitted to CVC seeking first stage advice of the Commission.

2.11.15 Audit Report examination : Internal audit report pertaining to Cash Section was scrutinized by Vigilance Division. After detailed examination, various observations were made and Cash Section was advised to take necessary action based on the observations.

2.12 WELFARE OF SCHEDULED CASTES / SCHEDULED TRIBES / OTHER BACKWARD CLASSES

A dedicated Cell looks after the liaison work relating to reservation for Scheduled Castes (SC), Scheduled Tribes (ST) and Other Backward Classes (OBC) in posts and services in the Ministry and its subordinate organizations. Similar cells also exist in various organizations of the Ministry. Inspection of Reservation Rosters maintained by various organizations of the Ministry is conducted periodically to ensure proper implementation of Government orders in respect of reserved categories. Orders / instructions issued by the Government with regard to reservation for SCs, STs and OBCs from time to time, are brought to the notice of all the organizations for implementation. All periodical returns on the subject are regularly furnished to the Department of Personnel & Training (DoPT) and to the Ministry of Social, Justice and Empowerment. Representations/ complaints/grievance petitions received from Scheduled Castes, Scheduled Tribes and Other Backward Classes' employees/ their Associations are examined and remedial action taken wherever required.

SC/ST and OBC representation as on 31.12.2022

Out of total 148 employees of Ministry of Civil Aviation (Main Secretariat) the representation of SC/ST/OBC is as under:

Category	No. of Empls.
SC	14
ST	05
OBC	23

2.13 WELFARE OF SENIOR CITIZENS

In accordance with the guidelines issued by Ministry of Social, Justice and Empowerment, and as envisaged in the 'National Policy on Older Persons', instructions have been issued to all concerned Organizations to ensure prompt, fair and humane treatment with senior citizens. Instructions have been issued from time to time for the following:-

Remove all physical barriers to facilitate easy entry, movement and exit at all airports and in airlines;

Change the design of the frisking booths in the security hold area so that the elderly are not required to climb and descend while undergoing security checks;

Pay special attention for providing help / assistance to them particularly after alighting from vehicles at the airports and un-till the person reaches the check-in counters;

Pay special attention to the elderly and those needing assistance at the booking offices of airlines;

Give preference in reservation and earmarking of seats in the airlines;

Give widows special consideration in the matter of settlement of benefits accruing /compassionate appointments on the demise of the spouse; and

Fix responsibility for any delay caused in the settlement of pension, provident fund, gratuity and other retirement benefits.

2.14 PROTECTION OF ENVIRONMENT

At international level, International Civil Aviation Organization (ICAO) is working very effectively to reduce emissions from international aviation and adopted goal of Carbon neutral growth by 2020 in the form of Carbon offsetting & Reduction Scheme for Aviation (CORSIA) which require offsetting of emissions above the baseline value. The 41st ICAO Assembly adopted a long-term global aspirational goal (LTAG) for international aviation of net-zero carbon emissions by 2050 in support of the UNFCCC Paris Agreement’s temperature goal.

To realize the goals of decarbonization of Aviation Sector, Ministry of Petroleum and Natural Gas (MoP&NG) constituted a Bio-Aviation Turbine Fuel (ATF) Programme Committee to take forward the Bio-ATF programme in the country to promote use of clean fuels. The terms of reference of the Committee included, inter-alia, raw materials production/demand, technology, BIS Standards, effects on engine performance etc. The Committee submitted its report to MoP&NG. MoCA had furnished its views on the recommendations of the Committee contained in the said report to MoP&NG.

Ministry of Civil Aviation wrote to the operators of all the brownfield airports with scheduled operations and developers of the upcoming greenfield airports advising them to work towards achieving Carbon neutrality and Net Zero, to get accreditation by Airports Council International (ACI/ISO 14064 through empaneled verifiers) and to adopt Carbon mitigation measures as well as Carbon management plans.

The Directorate General of Civil Aviation (DGCA) had also issued Civil Aviation Requirements that encourages airline and airport operators to take voluntary measures to reduce their carbon footprint. The measures were as follows:

For Airlines:

- a. Efficient flight planning management
- b. To avoid additional fuel burn on account of unwanted extra dead weight.
- c. Use of Fixed Electrical Ground Power in place of APU/GPU when the aircraft are being prepared on stand for departure or following arrival.
- d. To minimize departure delays and ramp congestion, engine start-up and pushback procedures.
- e. Using single engine-out taxi procedures

2.15 OFFICIAL LANGUAGE POLICY OF UNION

Ministry of Civil Aviation is committed to the effective implementation of the Official Language Policy of the Union, and due to these efforts, the use of Official Language in the Ministry, is increasing successively. The summary of the efforts and the achievements of the year 2022-23, is given below:-

2.15.1 Implementation of the Official Language Policy

The Official Language Division of the Ministry is headed by Senior Economic Advisor at Additional Secretary level. The Official Language Division has sanctioned posts of one Director, one Dy. Director, two Assistant Directors, Two Sr. Translation Officers, Two Jr. Translation Officers, two Assistant Section Officers, two Senior Secretariat Assistants, one Lower Division clerk and one Steno.

The Division duly monitors the implementation of the Official Language Policy of the union in the Ministry and its Attached offices/Autonomous Bodies/PSU's.

2.15.2 HINDI SALAHAKAR SAMITI

Hindi Salahakar Samiti of this Ministry has been reconstituted on 25th January, 2021. Hon'ble Minister Of State for Civil Aviation, is its chairperson. It has 15 non official members, (4 nominated members (MPs), from M/o Parliamentary Affairs, two (MP's), from Parliamentary Committee on Official Language, 3 Hindi scholars form Department of Official Language, one representative from Kendriya Sachivalya Hindi Parishad, One representative from the Hindi Institute, involved in propagation of Hindi and 4 members are nominated by the Ministry). Besides, Heads of all attached offices of the ministry, and JS and above Level officers of the ministry are official members of the Samiti. The Meetings of the Samiti were organised on 25th August, 2021 and on 12th September, 2022.

2.15.3 Official Language Implementation Committee

In the Ministry, Official Language Implementation Committee has been constituted under the chairmanship of Secretary, Civil Aviation. All the Heads of the attached offices of MOCA, and officers of the level of Deputy Secretary and above of the MOCA, are its members. The meeting of the committee was successfully organised in every quarter in the Ministry as mandated. Implementation of the Official Language Policy of the union was duly reviewed in the meeting with respect to the Ministry and its Attached Offices/Autonomous Bodies/PSU's and various measures were considered to increase the progressive use of Hindi.

2.15.4 Quarterly Progress Report (QPR) and Annual Assessment Report

A Quarterly Progress Report is compiled after collecting the data from various sections to assess the work done by the personnel in Hindi in their official work and sent to the Department of Official Language on regular basis. Likewise, an Annual Assessment Report relating to the progressive use of Hindi is also sent to the Department of Official Language. Besides this, Quarterly progress Reports from all the Attached offices/Autonomous Bodies/PSU's of the ministry are received and reviewed.

2.15.5 Cash Awards and Incentive Schemes

An incentive scheme of the Department of Official Language, Government of India to do official work, originally in Hindi is in vogue in the Ministry.

2.15.6 Azadi ka Amrit Mahotsav and Organization of Hindi Day (14 September) and Hindi Fortnight.

Like every year, Hindi fortnight was organised in the ministry from 14 September to 28 September, 2022 and 07 competitions were held in which personnel participated enthusiastically. A Total of 136 persons participated in the competitions.

Successful participants were given the awards by Secretary Civil Aviation in the prize distribution ceremony organised on 27th December, 2022.

Besides this, Rajbhasha Gaurav Puraskar for excellent performance in Hindi throughout the year and Shields for publication of Grih Patrika, were given to Attached offices of the ministry, by Secretary, Civil Aviation.

2.15.7 Hindi Workshops

Four Hindi Workshops were organized during the year to remove the hesitation of the personnel in doing their official work in Hindi.

2.15.8 Official Language Inspection

During the year, the inspection team of Official Language Division of the Ministry, inspected various sections of the Ministry and its attached Offices.

2.15.9 Inspection by Parliamentary Committee on Official Language

The 2nd Sub Committee of Parliamentary Committee on Official Language inspected various offices of AAI at Indore, Agra, Amritsar, Coimbatore, Kochi, Madurai, Ahmadabad, Bhopal, Raipur, Kolkata and Ranchi, BCAS Offices at Raipur and Kolkata, Pawan Hans office at Rohini, Delhi and DGCA (HQ), New Delhi. On behalf of the Ministry, the Senior Economic Advisor and the Official Language Officer, participated in the inspections.





2.16 OTHER ACTIVITIES

2.16.1 Organisation of Chintan Shivir

Chintan Shivir was organized under the Chairmanship of Hon'ble Minister of Civil Aviation and Hon'ble Minister of State for Civil Aviation, on 21st October, 2022 from 09:00 AM to 12:00 Noon at Dr. Ambedkar International Centre, New Delhi. The workshop was organised to do Chintan on improvement in work efficiency, capacity building, Team Building and Leadership Building to upscale the growth of the Indian Civil Aviation sector. Chintan Shivir was the platform for learning best practices from each other. During the event, Shri Arun Kumar, Director

General, DGCA, made a presentation on 'International Civil Aviation Organization', followed by a presentation on Karmayogi and an interactive session on 'Team Building and Leadership Building' by Shri Praveen Singh Parsdeshi, Member, CBC and an art-based learning methodology conducted by Training Sideways.

2.16.2 Organisation of Yoga Camp in Gwalior

Ministry of Civil Aviation organized a mass Yoga demonstration IDY 2022 at Gwalior Fort on 21st June, 2022 under the leadership of Hon'ble Minister of Civil Aviation with large scale participation of public by involving all sectors including Government, Private, PSUs, NGOs, Yoga



Organizations, Attached & Subordinate Offices under this Ministry. Local Celebrities from sports, films and social services also joined the said event. The entire event was covered by the print and electronic media.

As a part of AKAM, Ministry of Civil Aviation organized "HAR GHAR

TIRANGA" Programme at Rani Lakshmi Bai Ki Chatri at Gwalior on 14.08.2022 under the leadership of Hon'ble Minister of Civil Aviation. On this occasion, an Exhibition on "Vibhajan ki Vibhishika" was demonstrated to the public. The local Freedom Fighters families and sufferer of the partition were called in the programme.



3. DIRECTORATE GENERAL OF CIVIL AVIATION

3.1 INTRODUCTION

The Directorate General of Civil Aviation is the principal regulatory body in the field of civil aviation which has been accorded with statutory status by Aircraft Amendment Act, 2020. The Directorate General of Civil Aviation co-ordinates with International Civil Aviation Organization and is responsible for safety regulation of air transport services to/from /within India, formulation and enforcement of civil air regulations, air safety and airworthiness standards in coherence to the Standard and Recommended Practices as formulated by ICAO from time to time.

3.2 ORGANISATION

The Directorate General of Civil Aviation has its Headquarters in New Delhi. This Organisation is headed by the Director General of Civil Aviation, who is assisted by Joint Director(s) General and Deputy Director(s) General. The Director General has various Directorates under him for assisting in dealing with different functions.

3.3 FUNCTIONS

The main function of the Directorate General of Civil Aviation is to regulate all civil aviation matters. Some of the salient functions are as under;

Regulation of air transport services to/from/ within India in accordance with the provisions of the Aircraft Rules, 1937, including bilateral and multilateral agreements with foreign countries and the policy pronouncements of the government;

Registration of civil aircraft;

Laying down airworthiness requirements for civil aircraft registered in India and grant of Certificate of Airworthiness to such aircraft;

Licensing of pilots, aircraft maintenance engineers and monitoring of flight crew standards;

Licensing of aerodromes and air carriers;

Rendering advice to the Government on matters pertaining to civil aviation;

Processing amendments to Aircraft Act, 1934 and the Aircraft Rules 1937, and other Acts and rules thereunder relating to aviation, for their implementation in India, the provisions of the Chicago Convention and Annexes thereto, and other International Conventions relating to aviation;

Co-ordination of the work relating to International Civil Aviation Organisation and replies to State Letters after consulting stakeholders, wherever necessary including consultation with other agencies;

Investigation of air accidents and incidents and rendering technical assistance to the Courts/ Committees of Inquiry;

Regulation and Supervision of training activities of Flying/ Gliding Clubs;

Type certification of aircraft.

3.4 INTERNATIONAL RELATIONS

3.4.1 Air Services Agreements

During the calendar year 2022, bilateral talks were held with Govt. of Canada, Germany and Vietnam.

During the deliberations, revised capacity was agreed with Canada with full 3rd and 4th freedom rights at 6 metro points in India, namely, Delhi, Mumbai, Bangalore, Kolkata, Chennai & Hyderabad for Canadian designated airlines. Reciprocally, 7 points in Canada with full 3rd and 4th freedom rights were agreed for Indian designated airlines. Limited 5th freedom rights were also agreed between both the parties.

During deliberations with Germany, it was agreed that designated airlines of both parties may exercise co-terminus rights in the territory of the other party on cargo scheduled flights without any cabotage rights. It was also agreed that passenger and cargo flights may be operated on triangular services.

Capacity entitlements were also revised between India and Maldives permitting the designated airlines of both sides to operate any number of services with only 3rd and 4th freedom traffic rights to/from 6 metro points in India, namely, Delhi, Mumbai, Chennai, Kolkata, Bengaluru and Hyderabad.

Further, bilateral discussions were held with ten (10) countries namely Brazil, Congo, Ethiopia, Nigeria, Saudi Arabia, Seychelles, Sudan, Switzerland, Thailand and Zimbabwe during ICAO Air Services Negotiations (ICAN 2022) event held at Abuja, Nigeria in December 2022. The negotiations resulted in execution of Six (06) MoUs / Agreed minutes with the countries namely Switzerland, Nigeria, Ethiopia, Congo, Sudan and Zimbabwe.

3.4.2 LEGISLATION

To keep the statutory provisions abreast with the international standards and the latest developments in the sphere of civil aviation, certain rules of Aircraft Rules

1937 were revised in the larger public interest vide G.S.R. which are referred to as following :

First Amendment in the Aircraft Rules, 1937 by G.S.R. (E) No. 289 (E) dated 08.04.2022- Rule 3; Rule 29 (D); Rule 38C; 39C; 41A; 41B; Amendment to rule 48; 61;62 and 84; 133B; and Amendment in rule 133C; Amendment in Rule 134A; Amendment in rule 154; Amendment in rule 155A; 155B; and Amendment in Schedule II, Section A; Amendment in Schedule II, Section K ; Amendment in Schedule II, Section N; Amendment in Schedule II, Section P; Amendment in Schedule II, Section Y; Amendment in Schedule VIB

Second Amendment in the Aircraft Rules, 1937 by G.S.R. (E) No. 253 (E) dated 01.04.2022- In rule 3, after clause 34A, the clause 34AA inserted; Amendment in rule 133A; Amendment in Schedule II, Section K; Amendment in Schedule II, Section N

3.5 AIR TRANSPORT

3.5.1 Scheduled Operators

As on 31st December 2022, there were fifteen (15) scheduled/scheduled commuter operators viz. Air India Ltd., Alliance Air, Air India Express Ltd., Jet Airways(India) Ltd., SpiceJet Ltd., Go Airlines (India) Pvt. Ltd., Inter Globe Aviation Ltd. (Indigo), Air Asia Pvt. Ltd., Tata SIA Airlines Ltd. (Vistara), SNV Aviation Pvt. Ltd. (Akasa Air), Ghodawat Enterprises Pvt. Ltd. (Star Air), GSEC Monarch and Deccan Aviation Pvt. Ltd. (IndiaOne Air); Aviation Connectivity and Infrastructure Developers Pvt. Ltd.(AIR TAXI), Big Charter Pvt. Ltd.(Fly Big), Pawan Hans Ltd. operating on the domestic sector providing a wide choice of flights and connectivity to various parts of India.

In addition there are two cargo airlines viz. Blue Dart Aviation Ltd. and Quick Jet Cargo Limited operating scheduled cargo services in the country. Further, SpiceJet Ltd. was also operating Cargo Operations with five (5) B737 Freighter aircraft.

During this year three Scheduled Operator Certificates (GSEC Monarch and Deccan Aviation Pvt. Ltd. (India One Air), SNV Aviation Pvt. Ltd. (Akasa Air) and Quick Jet Cargo Limited) were issued.

3.5.2 Passengers Carried by Scheduled Operators

Domestic Routes:

During the year 2022 (January-December), Scheduled domestic airlines operated a total number of 9.43 lakh scheduled flights carrying a total of 123.2 million scheduled passengers as against 7.31 lakh scheduled flights carrying total of 82.74 million scheduled passengers during the previous year 2021 (January-December). The number of domestic passengers carried by scheduled domestic Indian Carriers has witnessed a growth of 48.9 percent in the year 2022 as compared to the previous year 2021 (up to 31st December).

International Routes:

During the period January to December 2022 a total of 43.4 million passengers were carried on international routes by Scheduled Indian/foreign carriers as against 17.2 million in the corresponding period in 2021, thereby witnessing a growth of 152.7 %. Out of the 43.4 million passengers, 20.9 million passengers were carried by Scheduled Indian carriers while 22.5 million passengers were carried by scheduled foreign carriers during the period January to December 2022.

3.5.3 Non-Scheduled Operator's Permit (NSOP)

During the period from January to December 2022, 15 new NSOP was granted and as on 31st December 2022, a total number of 103 companies are holding Non-Scheduled Operator's Permit, as against 94 companies as on 31.12.2021.

3.5.4 Tourist Charters

Operations of Inclusive Tour Package Charter flights to and from India continued under the liberalized guidelines issued vide Aeronautical Information Circular No. 03 of 2020 and a total number of 143 flights operated during the period from January – December 2022 bringing 25163 tourists in India.

3.6 AIRWORTHINESS

3.6.1 Directorate of Airworthiness at HQ has undertaken the various activities as listed out in the table below:

S. No.	Activity	Number
1.	Registration of Aircraft	155
	Total No. of aircraft registered in year 2022	
2.	AME License issued / converted	1466
	Total no. of AME License issued in year 2022	
	Total no. of AME License endorsed in year 2022	657
	AME License converted in accordance with CAR 66 in year 2022	NIL
3.	Organisation Approval(Year 2022)	
	Maintenance Organization	
	Domestic	09
	Foreign	08
	Type Training Organization	
	Domestic	02
	Foreign	02
	Aircraft Maintenance Institutes (Basic) -147	02
	Maintenance Organizations under CAR-M Sub-Part-F	02
	Continuing Airworthiness Management Organizations (Sub-part-G)	
	Fuel lubricants and Special Petroleum products Organisation	23
	g) Total no of CAR-21 Production Organization	01
		Nil
4.	Public Grievances redressed in year 2022	122

3.7. TRAINING AND LICENSING OF AIRCREW

The functions of the Directorate of Training and Licensing involves initial issue/ conversion of CPL/ATPL/CHPL/PPL/FATA licenses and work related to renewal/ endorsement of Flight Crew Licenses.

3.7.1. The requisite information for the period from 01st Jan 2022 to 31st Dec 2022 is as mentioned in tabular column below:-

S.No.	Name of License	Total No. of Licenses Issued
1.	Commercial Pilot License (Aeroplane/Helicopter)	1165
2.	Air Transport Pilot License (Aeroplane/Helicopter)	717
3.	Private Pilot License (Aeroplane/Helicopter)	13
4.	Instrument Rating (Aeroplane/Helicopter)	2519
5.	Flight Radio Telephony Operator [FRTOL & FRTOL(R)]	2407
6.	Flight Aircrew Temporary Authorization (FATA) [Initial + Extension]	114
7.	Flight Instructor Rating (FIR)	40
8.	Asstt. Flight Instructor Rating (AFIR)	84

3.7.2. Total number of Endorsements/Renewals for the period from 01 Jan 2022 to 31st Dec 2022:

1.	Extension of Aircraft Rating (Endorsements including Open Rating)	2903
2.	Renewal of Licenses and Ratings	9254
3.	Renewal of ELP Assessment	1744

3.8. FLIGHT STANDARDS

The major reforms undertaken / achievements for the year 2022 by Flight Standards Directorate are as follows:

- Distance Learning offers an increase in the training delivery options for both Operators and ATOs. Therefore distance learning training programme was continued due to COVID situations so as to provide guidance for online training including evaluation of flight crew, flight dispatcher, and ground instructor, line training captains, aircraft instructors and cabin crew.
- Issued Operational Circular 01 of 2022 to support operations at low level in mountainous remote areas and, for airspace capacity reasons, in high density airspace, RNP 0.3 Airspace.
- Issued Operational Circular 02 of 2022 on Electronic Record keeping for Scheduled, Non Scheduled and General Aviation Operators. FSD issued guidelines to be followed for all the operators who want to shift towards electronic recordkeeping of documents and thereby eliminating the requirement of storage of documents on physical files.

- **Issued Operational Circular 03 of 2022 on CHILD RESTRAINT SYSTEM (CRS).** FSD issued guidelines in purview of recommendations of sub-committee after Air India Express accident in Calicut dated 07th August 2020, DGCA recommends usage of CRS. Child restraint system (CRS) is any device, other than a seat belt, that is designed specifically to protect and restrain an infant or child during all phases of flight.
- Revision to Civil Aviation Requirements under Section 8 series S part I - Extended Diversion Time Operations (EDTO) has been introduced first time for NSOPs. EDTO regulations were to provide very high level of safety while facilitating the use of twin engines on routes, which were previously restricted to three or four engine aeroplanes.
- Publication of Civil Aviation Requirements under Section 8 series S part VIII for Operational use of Electronic Flight Bags. EFB functions to support flight operations or duties.

Amended various sections of Aircraft Rules 1937 to facilitate pilots which leads to reduction in compliance burden. Amendments are detailed below:

- Amended Sections K and N (Schedule II) of Aircraft Rules 1937 to rationalize and reduce the requirements for frequency of Pilot Proficiency Checks for helicopter pilots and to allow conduct of Skill Tests on simulators for initial grant of license.
- Amended Section K (Schedule II) of Aircraft Rules 1937 to remove the requirement of Night Check with an examiner for pilots holding CPL (H).
- Amended Section N (Schedule II) of Aircraft Rules 1937 to include conduct of Instrument Rating Test on simulator and to reduce the requirements of route checks to six,

for grant of PIC rating on additional type, for helicopters above 5700 kgs.

3.9 AERODROME STANDARDS

The Directorate of Aerodrome Standards deals with inspection and licensing/ authorization of aerodrome/heliport and monitoring of the aircraft operations at aerodromes vis- -vis the facilities provided at the aerodrome and heliports approved/ licensed by this Directorate. During the year 2022, the activities undertaken by the Directorate are as following:

Initial Issue of License (Public use):-

- Initial issue of Aerodrome License Deoghar airport,
- Initial issue of Aerodrome License Hollongi airport,
- Initial issue of Aerodrome License Deoghar Jeypore airport,
- Initial issue of Aerodrome License New Goa Airport, MOPA.

Change of Aerodrome Operator/Name

- Aerodrome License Jaipur to Jaipur International airport, Jaipur.
- Aerodrome License Ahmedabad to Ahmeabad international airport, Ahmedabad
- Aerodrome License Lucknow to Lucknow International airport, Lucknow.
- Aerodrome License Mangalore to Mangalore International airport, Mangaluru

Renewal of Aerodrome License (Public Use Category) (35)

Patna Airport, Juhu airport, Lengpui airport, Rourkela airport, Rajiv Gandhi International airport Shamshabad, Mundra airport, Tezu airport, Dibrugarh airport, Lucknow Airport, Mangaluru airport, Keshod airport, Kolkata airport, Chennai airport, Trivandrum airport, Sindhudurg

airport, Birsi Airport Gondia, Kalaburagi airport, Jharsuguda airport, CSMI airport Mumbai, IGI Airport, Begumpet airport, Bhopal airport, Nanded airport, Guwahati Airport , Pakyong Airport, Kolhapur Airport, Guwahati airport, Lengpui airport, Rupsi airport, Rourkela airport, Mundra airport, Mysuru airport, Thiruvananthapuram airport, Vijayanagar airport, Deoghar airport, Trichy airport, Bilaspur airport.

Renewal/Extension/Operational authorization/Aerodrome/heliport (Private use Category) (04):- , Taj Wellington Mews Heliport, ITC Gardenia Bengaluru, Gadimoga, Savitri Jindal Airstrip, Angul, Hosur Aerodrome,

Surveillance Inspection/ (Public/Private use category) (91):-

Begumpet HYD, CSIA Mumbai, Coimbatore, Jagdalpur, Jharsuguda, Kolkata, Nanded, Bhopal, Guwahati, Kalaburgi, Kushinagar, Kandla, Mangalore, Shimla, Calicut, Jabalpur, Khajuraho, Kishangarh, KIA Bangalore, Ranchi, Shirdi, Barapani, Hubli, Kangra, Mundra, Pakyong, Rupsi, Salem, Belgavi, Durgapur, Imphal, Pantnagar, Porbandar, Rajkot, Rohini Helipad, Vijayawada, Jamshedpur, Keshod, Lilabari, Mysore, Surat, Tirupati, Tuticorin, Varanasi, Agartala, Bhavnagar, Gaya, Kannur, Kadapa, Lucknow, Nagpur, Dimapur, Indore, Jaipur Jindal Vijayanagar, Juha, Ludhiana, RGIA Shamshabad, Sindhudurg, Bilaspur, Cochin, Dehradun, Hisar, Oar HAL Nasik, Rourkela, Trichy, Vadodara, Ahmedabad, Cooch Behar, IGIA New Delhi, Kullu Bhuntar, Kurnool, Puducherry, Raipur, Udaipur, Aurangabad, Bhubaneswar, Chennai, Dibrugarh, Birsi, Gondia, Madurai, Naini-Saini Pithoragarh, Tezu, Agatti, Kolhapur, Rajahmundry, Trivandrum, Shivmoga airport, Manjari Helipad, Solapur airport, Baldota airport.

GHA Inspection (12):-

Lucknow, Cochin, Chennai, Patna, Hyderabad, Ahmedabad, Mumbai, Kolkata, Delhi, Jaipur, Bangalore, Guwahati.

Pre-Licensing Inspection of Deoghar airport, Moradabad airport, Jeypore airport, Hollongi airport, New Goa airport MOPA,

In-principle approval for commencement of construction for new Greenfield airport at Hirasar, Rajkot

Site clearance for development of Aerodrome Dhamra Bhadraka under private use category, Jeypore Airport.

Grant of TE Exemption non-compliance of runway strip width for runway 07/25 at Bhavnagar airport.

Permission to commence construction of the elevated Heliport: Amrita Hospital, Faridabad, Haryana.

Change Management/Expansion/ Modifications of Aerodrome/ Approvals/Others:

- Approval of re-commissioning of porting of taxiway K (between Taxiway C and D) and portion of Taxiway D between stand 15 and intersection of taxiway K post pavement rehabilitation/resurfacing works at RGIA, airport Shamshabad. (Commissioning level).
- Approval of portion of secondary runway (09/27) post emergent repair surface pavement rectification works between taxiway B3 and B6 at Shamshabad, Hyderabad airport (Commissioning level).
- Approval of re-evaluation of PCN value of Rwy/Taxiway/Apron of Jindal Vijayanagar airport, Vidyanagar.

- Approval of retargeting of bituminous portion of apron-terminal, Twy A, B2 and portion of Twy C1 at DBAI airport Nagpur (Concept/Design & Execution level).
- Approval of installation of digital current weather instrument system (DCWIS) – MET Instrument at Hubballi airport (Concept/Design & Execution level)
- Approval of blast erosion area at both ends of runway at Gaya airport (Commissioning level).
- Approval of strengthening/re-carpeting of Rwy at Khajuraho airport (Commissioning level).
- Approval of construction of localizer and glide path (LLZ & GP) Hut of frangible nature at JPNI airport, Patna.
- Approval of replacement of CAT 1 fittings with Lattice type Frangible structures as per ICAO specifications at Hubballi airport (Concept/Design & Execution level).
- Approval of trans-installation of localizer/glide path at Trichy airport (Concept/Design & Execution level).
- Approval of implementation of re-designation of taxiway in phase manner (Phase 6 & 7) at IGI airport, (Execution level and Commissioning level)
- Approval of installation of New ILS at different location at Vadodara airport (Concept/Design & Execution level).
- Approval of modification of storm water drain at Chennai airport (concept/Design & Execution level)
- Approval of re-carpeting of runway, Taxiway and apron at Bhavnagar airport (Concept/Design and Execution level).
- Approval of construction of taxiway for FTO at Lilabari airport (Concept/Design and Execution level).
- Approval of construction of 10.5 meter wide link taxi track connecting runway to proposed FTO at Kalaburagi airport. (Concept/Design and Execution level).
- Approval of commissioning of new isolated aircraft parking position, stand 803 at IGI airport.
- Approval of resurfacing of Rwy 08/26, widening of Rwy turn pads and fillets for Twy at Maharana pratap airport, Udaipur (Concept/Design and execution level).
- Approval of re-carpeting of existing runway 05-23 and other allied work at Dibrugarh airport (Concept/Design & Execution level).
- Approval of extension of runway, RESA, Taxiway, Apron, Isolation bay including associated electrical works at Tuticorin airport (Concept/Design and Execution level).
- Approval of modification of existing runway threshold and End lighting system at Barapani airport Shillong.
- Approval of expansion of runway turn pad for B777 300 ER type of aircraft at Madurai airport (Concept/Design & Execution level).
- Approval of up-gradation of runway light at Jamshedpur airport.
- Approval of expansion of turn pad at both ends of Runway 14 & 32 for B777 300 ER type of aircraft at BPI airport Bhubaneswar (Concept/Design & Execution level)
- Approval of lowering the level of ARP at Shimla airport (Concept/Design & Execution level)
- Approval of extension of runway, RESA, Taxiway, Apron and isolation bay including associated electrical works at Tuticorin airport (Concept/Design & Execution level).
- Approval of construction of 3 code C stands G6 G7 and G8 north –east of G apron at CSMI airport, Mumbai (Concept/Design & Execution level)
- Approval of portions of taxi lane C1 & reconfigured taxi lane C

- (between stand no. 28 & 33) along with extended portions of taxi lane J1 (connecting till taxi lane) at RGI airport Shamshabad (Commissioning level).
- Approval of closure of intersection of runways (Rwy 14/32 & runway 09/27) at CSMI airport, Mumbai for pre-monsoon and post-monsoon preventive maintenance in the year 2022.
- Approval of re-commissioning portion of taxiway B6 (between Taxiway B6 RHP to Txy B – M1 Junction) post pavement rehabilitation/resurfacing works at RGI airport Shamshabad. (Commissioning level).
- Approval of installation of Aeronautical Ground lights (AGLs) at new apron site at Rajkot airport (Concept/Design & Execution level).
- Approval of construction of turn pad and fillets for link taxi track for B777 300 ER type aircraft at Khajuraho airport.
- Approval of installation of DCWIS mast (wind sensor) for runway 28 at Calicut airport. (Concept/Design & Execution level)
- Approval of improvement of runway strip at Cochin International airport (Concept/Design & Execution level)
- Approval of up-gradation works for runway end safety area (RESA) of Rwy 09 at CSMI airport, Mumbai. (Concept/Design & Execution level)
- Approval of turning pads and fillets for link taxiway for B777-300 ER type of aircraft at DBAH airport, Indore. (Concept/Design & Execution level)
- Approval of installation of CWIS/ AWOS (Automated Weather Observing System) at barpani airport. (Concept/Design & Execution level)
- Approval of levelling and grading of Runway strip at Tiruchirappalli airport. (Concept/Design & Execution level).
- Approval of portion of taxiway B (West of Taxiway B6) and reconfiguration of Cargo apron parking stands to their original status including de-commissioning of Taxiway B7 and Temporary Code C aircraft parking stands (C1 to C10) at RGI airport Shamshabad (Commissioning level).
- Approval of taxiway B3, (between RHP of Taxiway B3 & Taxiway B0 portion of taxiway B-K junction post pavement rehabilitation works at RGI airport Shamshabad (Commissioning level).
- Approval of commissioning of new apron lay out to accommodate four code C aircraft (A-321/B 737-900) simultaneously on the existing apron at Durgapur airport.
- Approval of taxiway J extended portion of taxiway D (between taxiway K and Taxiway K1) and re-commissioning of portion of taxiway K1 (between taxi lane E1 and Taxiway D) post pavement resurfacing works at RGI airport Shamshabad.
- Approval of construction of Hangar, Apron and link taxiway for establishment of flying training organization at Bhavnagar airport. (Concept/Design & Execution level)
- Approval of expansion of turn pad at both ends of runway 13/31 for B777 300 ER type of aircraft at BM airport Ranchi. (Concept/Design & Execution level)
- Approval of construction of new ATC tower cum fire station (balance work) cum fire approach road from ATC building to runway at Barapani airport (Concept/Design & Execution level)
- Approval of construction of RESA for runway 26 at Jamshedpur airport (Commissioning level)
- Approval of realignment and widening of approach roads to Rwy 27 09 and PD point road to Rwy

- 27 at Cochin International airport. (Concept/Design & Execution level)
- Approval of extension of turning pads and fillets for link taxiway for B777-300 ER type of aircraft at Raja Bhoj airport, Bhopal (Concept/Design & Execution level)
- Approval of re-carpeted bituminous portion of apron-terminal, Twy A B2 and portion of Twy C1 at DBAI airport, Nagpur. (Commissioning level).
- Approval of GSE tunnel for vehicular movement at RGI airport, Shamshabad (Commissioning level).
- Approval of non-availability of taxiway B1 for laying sewage pipe line crossing taxiway B1 at RGI airport Shamshabad.
- Approval of widening and strengthening of roads in operational area at BPI airport Bhubaneswar. (Concept/Design & Execution level)
- Approval of relocation of PAPI at both end of Runway at Kolhapur airport. (Concept/Design & Execution level)
- Approval of proposal for modification of existing threshold-cum-end light inset fitting at runway 06 beginning at Mangaluru airport. (Commissioning level)
- Approval of grading and levelling of low level area of runway strip at salem airport (Concept/Design & Execution level)
- Approval of resurfacing of runway and other pavements (Taxiways, apron etc.) at Begumpet airport. (Concept/Design & Execution level)
- Approval of installation of DCWIS (MET Equipment) at Keshod airport (Concept/Design & Execution level).
- Approval of expansion of existing apron and parking additional 4 category-C (A-320) type of aircraft and construction of new taxiway at Kadapa airport (Commissioning level).
- Approval extension of apron at Madurai airport (commissioning level).
- Approval of provision of 1 nos. PBB and AVDGS (Aero Bridge) at Madurai aerodrome (commissioning level).
- Approval of installation of aviation weather observation system (AWOS) by IMD at Lilabari airport (Concept/Design & Execution level)
- Approval of replacement of CAT Localizer and glide path at Birsa Munda Ranchi airport (Concept/Design & Execution level)
- Approval of repapering of runway and taxiway at Brisa Gondia airport (Concept/Design & Execution level)
- Approval of construction of apron, Hanger, and link taxi track for establishment of FTO at Kadapa airport (Concept/Design & Execution level)
- Approval of expansion of turn pad and fillets for link taxi track for B777 300 ER of aircraft at Rajahmundry airport(Concept/Design & Execution level)
- Approval of construction of isolated aircraft parking position (IAPP) at BPI airport Bhubaneswar (Concept/Design & Execution level)
- Approval of conversion of existing approach lighting system to barrette light system at Runway 32 (CAT-900) at Trivandrum airport (commissioning level)
- Approval of straightened portion of Taxiway B and part commissioning of extended portion of cargo apron stand no's 1 to 5 at Chennai airport (commissioning level)
- Approval of replacement of power cables of perimeter lighting at Vadodara airport (Concept/Design & Execution level)

- Approval of construction and development of aircraft hangar and apron for FTO at Lilabari airport (commissioning level)
- Approval of installation and integration of stop bar for taxiway W1 & F1 and installation of No entry bar for rapid exist taxiway N7, E4 and E8 at CSMI airport Mumbai. (Concept/Design & Execution level)
- Approval of taxiway M for FTO at Lilabari airport (Commissioning level).
- Approval of extension of apron for parking 02 Nos Q-400 aircraft at Kandla Airport (Commissioning level).
- Approval of extension of existing apron at Puducherry Airport to accommodate 2 nos. of code 'C' type aircraft along with GSE area at Puducherry Airport ((Concept/Design & Execution level).
- Approval of extension of Runway 22 Turning Pad and Fillets for Link Taxiway for B777- 300ER type of aircraft at Surat Airport (Commissioning level).
- Approval of construction of fixed finger and rotunda including SITC of passenger Boarding Bridge (PBB's) and Advanced Visual Docking System (ADVGS) at S.V. Airport Raipur (Commissioning Level)
- Approval of Wall to wall grading work at MBB Airport, Agartala ((Concept/Design & Execution level).
- Approval of passenger boarding bridges (PBB) equipped with bridge-mounted PCA units at stands 47, 48, & 49 at RGI airport, Shamshabad (Commissioning Level)
- Approval of Expansion of Turn Pad and Fillets for Link Taxi track for B777 300ER type of Aircraft at Raipur Airport ((Concept/Design & Execution level).
- Approval of PBB, AVDGS and Fixed finger Rotunda on Bay no. 4 at Raja Bhoj Airport (Commissioning Level).
- Approval of safety assessment documents for Relocation and replacement of PAPI units at LGBI Airport (Commissioning Level).
- Approval Construction of Hangers, Apron, 10.5m wide link taxi track and other related work including Electrical works for including Electrical works for Establishing flight Training Organizations FTOs at Hubballi Airport (Concept/Design & Execution level).
- Approval of Construction of Turn Pad and fillets for Link taxi track for B777 300 ER type of aircraft at Imphal International Airport (Concept/Design & Execution level).
- Approval of Construction and Development of Aircraft Hanger and Apron for FTO at Khajuraho Airport ((Concept/Design & Execution level).
- Approval of Commission of portion of taxiway K (abeam taxi lane E1) post pavement rehabilitation work at GHIAL Shamshabad Airport (Commissioning Level).
- Approval of Construction of hangar and its associated apron for establishment of Flying Training Organization oat Kalaburagi Airport (Commissioning Level).
- Approval of Construction of 01 no. of additional parking stand for Code 4C, AB -320/321 type of Aircraft at SV Airport, Raipur. (Commissioning Level).
- Approval of Construction of 10.5 m Link Taxi Track connecting Runway to FTO at Kalaburagi Airport (Commissioning Level)
- Approval of Correction of slope profile of Approach Lights RWY 27 at Cochin International Airport. (Concept/Design & Execution level).
- Approval of Installation of Digital Current Weather Instrument System DCWIS at Kalaburagi Airport (Concept/Design & Execution level).

- Approval of Declaration of 280m Basic strip at Kadapa Airport ((Concept/Design & Execution level).
- Approval of remote code E parking stands 59, 60 and 61 post stand reconfiguration at RGI Airport, Shamshabad, Hyderabad. (Commissioning Level).
- Approval of Constructed apron with link taxi track for A-320 type of aircraft at Rajkot Airport. (Commissioning Level).
- Approval of 05 stands for ATR-72, Linking Part of Parallel Taxiway with Runway, Taxiway C & D and other associated works at DBAH Airport, Indore. (Commission Level).
- Approval of Construction of 2 temporary code 'C' stands V3L and V3R on apron V at CSMI Airport, Mumbai. (Concept/Design & Execution level).
- Approval Reconstruction of portion of taxiway P between taxiway C & D., Extension of rigid pavement of Stand 36, Retargeting and up-gradation of perimeter road.
- Approval of Portion of Taxi lane CI & Reconfigured taxi lane C from junction of Taxi lane H-H1 till 26 meter east of stand 28 at Rajiv Gandhi International Airport, Hyderabad (GHIAL) (Commissioning Level).
- Approval extended portion of runway by 410m on RWY 25 side along with associated works such as blast pad, turn pad, runway strip, RESA and RESA and AGL (Phase 1) at Kolhapur Airport. (Commissioning Level).
- Approval of installation of DCWIS at SVPI airport Ahmedabad.
- Approval of up-gradation of aerodrome licensing from ARC 3C VFR to ARC 4C VFR of Deoghar airport.
- Approval of part commissioning of new TC tower cum technical block at Swami Vivekananda airport, Raipur.
- Approval of commissioning of constructed new apron for parking of 3 no.s code C aircraft (1 for A320 & 2 for ATR-72) along with portion of its link taxiway and GSE rea II isolation bay to cater up to A320 type of aircraft & portion of its link taxiway at Kolhapur airport.
- Approval of commissioning of link taxi track for FTOs on northern side of runway 09 at Jalgaon airport.
- Approval of commission constructed hangar and associated apron for establishment of flying training organization by M/s. Skynex Aero Pvt. Ltd at Jalgaon airport.
- Approval of re-commissioning of portion of taxiway B4 (between secondary runway 09L-27R RHP of taxiway B4 & taxiway E) and commissioning of Taxiway centerline light post pavement rehabilitation work at RGI Shamshabad airport.
- Approval of stop bars on the taxiways A1 A2 & A4 (Rwy Holding position)and ABP & Q (IHP Locations) associated with runway 09L/27R and segregated mode of operations below CAT-1 conditions at Kempegowda international airport Bengaluru, Bangalore.
- Approval of commissioning of 3 code C stands G6 G7 and G8 north-east of G at CSMI airport, Mumbai.
- Approval of construction of cooling pit at Birsi airport Gondia. (Concept/Design & Execution level)
- Approval of commissioning level for re-carpeting of existing runway 09-27 at Trichy international airport.
- Approval of additional 10 nos. bays for A-321 aircraft type and part parallel taxiway at DABH airport Indore.
- Approval of renaming of portion taxiway B4 and B5 between Taxiway B and Taxiway E as Taxiway E3 and Taxiway E4 at RGI Shamshabad airport.

- Approval of expansion of turn pad and fillet for link taxi track for B-777 300 ER type of aircraft at Begumpet airport Hyderabad. (Concept/Design & Execution level)
- Approval of grading and levelling of critical areas in front of newly installed localizer and glide path at Begumpet airport, Hyderabad. (Concept/Design & Execution level)
- Approval of expansion of turn pad and fillets for link taxi track for B777 – 300 ER type of aircraft at Coimbatore airport. (Concept/Design & Execution level)
- Approval of extension of apron to accommodate 02 nos. of Code C ATR-72 aircraft at Mysuru airport (Commissioning level).
- Approval of retrofit of high mast lights in apron 1 at Cochin airport (Concept/Design & Execution level)
- Approval of additional apron for parking of 5 nos. type C aircraft and extension of apron for 2 nos. ATR aircraft at Coimbatore airport.
- Approval of reconfigured old apron at Mahrana Pratap Udaipur. (Commissioning level).
- Approval of link taxi track for FTOs on northern side of runway 09 at Jalgaon airport.
- Approval of restoration of threshold and shifting of PAPI to original position at Runway 32 at Shimla airport. (Commissioning level).
- Approval of construction of 02 nos. Security watch tower at Birs Airport, Gondia. (Concept/Design & Execution level).
- Approval of IAH Hisar airport.
- Approval of replacement of Wind Directional indicators on both ends of the runway at Hubballi airport (Concept/Design & Execution level).
- Approval of B-747-8 on runway 09L/27R at Kempegowda International airport, Bengaluru.
- Approval of 08 no. of parking stands (33 to 40) for code C aircrafts (part commissioning of airside capacity enhancement (Phase-I work-02 at NSCBI) (Commissioning level).
- Approval of expansion of apron with linked taxiway and allied works at Gaya airport Gaya (Commissioning level).
- Approval of construction of new isolation bay and link taxi track at MBB airport, Agartala (Commissioning level).
- Approval of withdrawal of taxiway procedure on Rwy 12/130 part of standard taxi route at Chennai airport.
- Approval of rectification of pavement distress areas observed at portions of Taxi lane E, Taxiways E and A8 at Shamshabad airport.
- Approval of extension of turning pad at Rwy 14, i/c provision of end lights, inset lights at thresholds of Rwy 14/32 at Shimla airport. (Commissioning level)
- Approval of reconstruction and up-gradation of taxi lane W6 and portion of apron C at SMI airport, Mumbai (Concept/Design & Execution level).
- Approval of commissioning of helicopter apron suitable for parking stands at Rajahmundry airport.
- Approval of commissioning level for design, supply installation, testing and commissioning of 8 mw grid connected ground mounted solar photo voltaic power plant at Hubballi airport.
- Approval of expansion and reconfiguration of apron 2 SVPIA, Ahmedabad. (Concept/Design & Execution level).
- Approval of new apron and taxiway at Jabalpur airport, (Commissioning level)
- Approval of reconstruction of portion of taxi lane L behind A10, A11 & A12

- at CSMI airport, Mumbai. (Concept/Design & Execution level).
- Approval of development and strengthening of RESA at Mysore airport (commissioning level).
- Approval of installation of digital current weather instrument system (DCWIS) instrument at Hubballi airport (commissioning level).
- Approval of construction of New ATC tower cum technical block cum fire station (CAT-VI) at Puducherry airport. (commissioning level)
- Approval of construction and development of aircraft hangar and apron for FTO at Khajuraho airport (Commissioning level)
- Approval of re-carpeting works on Rwy 14/32 from 03rd November 2022 to 18th May 2022 at CSMI airport, Mumbai (Concept/Design & Execution level).
- Approval of up-gradation of Bilaspur airport from 3C VFR to 3C IFR. (Concept/Design & Execution level).
- Approval of associated work (Shifting of CCRs GLF UPS and rerouting of GLF feeder cable) for ATC tower cum technical block at Raja Bhoj airport, Bhopal. (Concept/Design & Execution level).
- Approval of construction of two nos. of additional fixed finger rotunda and corridor and installation of PBB & AVDGS at Parking stand no.2 & 5 at Birsa Munda airport, Ranchi, (commissioning level)
- Approval of construction of technical block cum control tower at Gaya airport (commissioning level).
- Approval of one time approval of operate on flight to/from Raigarh on Q400 aircraft (on passenger on board).
- Approval of 400m runway extension on runway 31 side and construction of isolation parking along with associated link taxiway at Jindal vijayanagar aerodrome (Concept/Design & Execution level).
- Approval of reconstructed portion of taxiway P between taxiway C & D and aircraft stand 36 at SVPI airport, Ahmedabad. (Commissioning level).
- Approval of new fire station for category IX. (Commissioning level) at Trivandrum airport.
- Approval of restoration of basic strip at Shimla airport. (Commissioning level).
- Approval of requisition of part usage of the expansion area of new integrated terminal building at Mangaluru international airport. (Commissioning level).
- Approval of construction of apron drive glass walled passenger boarding bridges (PBB) and AVDGS at Surat airport (Concept/Design & Execution level).
- Approval of installation of SCCTV camera at Isolation bay at Vadadora airport (Concept/Design & Execution level).
- Approval of revision in dimensions of RESA runway 07/25 at JPNI airport, Patna. (Commissioning level).
- Approval of emergency access road parallel to main runway 19L-01R at NSCBI airport, Kolkata (Commissioning level).
- Approval of improvement of runway, Taxiway, turn pads and apron surface at Kalaburagi airport (Concept/Design & Execution level).
- Approval of runway re-carpeting and strengthening and fixing central line lights including allied civil and electrical works at Calicut airport (Concept/Design & Execution level).
- Approval of transition plan for revision of declared distances and reconfiguration of RESA at Maharana Pratap airport, Udaipur.
- Approval of expansion area of new integrated terminal building (NITB)

- arrival side along with two passenger boarding bridge (PBB) and AVDGS on aircraft stand no. 5 & 6 (Code C) at Mangaluru international airport Mangaluru. (commissioning level)
- Approval of terminal-2 as Business Jet terminal (BJT) for Business jet operations and VVIP movements at Cochin airport. (Commissioning level).
 - Approval of isolation parking position along with link taxiway J at Trichy airport. (Commissioning level).
 - Approval of bay no. 8 adjacent to existing apron at Trichy airport. (Commissioning level).
 - Approval of part commissioning of 06nos. of Code-C parking stands and link Taxiway D Vijayawada airport.
 - Approval of apron drive glass walled passenger boarding bridges PBB and AVDGS for various airports in India Trichy airport (Concept/Design & Execution level).
 - Approval construction of cooling pit including approach road and provision of fillets to new fire pit road and misc. works at Belagavi airport (Concept/Design & Execution level).
 - Approval of construction of satellite fire station at Calicut airport (Concept/Design & Execution level).
 - Approval of contiguous apron with link taxi track for code E type of aircraft at Tirupati airport (commissioning level).
 - Approval of re-construction of 01 No. (Bay 30) Rotunda with PBBs/A-VDGS and revised apron layout at Chennai airport phase -1 (Concept/Design and Execution level).
 - Approval of construction of ATC Tower cum Technical Block at Vijayawada airport (Concept/Design and Execution level).
 - Approval of runway 06/24 rehabilitation/ re-carpeting works and other associated works and other associated works which requires closure of runway at Mangalore International airport (Concept/Design and Execution level).
 - Approval of replacement of CAT-1 fittings with Lattice type frangible structure as per ICAO specified at Hubballi airport (Commissioning level).
 - Approval of terminal 2 apron phase-1 (Sub Phase III) Portion of Taxi Lane M ASMGL along with associated facilities at Kempegowda International airport, Bengaluru. (Commissioning level).
 - Approval of airside facilities including runway 05/23 post major rehabilitation at SVPIA, Ahmedabad (Commissioning level)
 - Approval of extended portion of turning pads and fillets for link taxiway for B777-300ER type of aircraft at DBAH airport, Indore (Commissioning level).
 - Approval of installation of new ILS at the approved new location, MBB airport, Agartala airport (Concept/Design and Execution level).
 - Approval of resurfacing works of Taxiway K between Twy W and Twy J7 at IGI airport, New Delhi (Concept/Design and Execution level).
 - Approval of provision of 4.0 MWp (DC) ground mounted solar power plant at BPI airport Bhubaneswar airport (Commissioning level).
 - Approval of part commissioning of Paralled taxi track (PTT) and apron for parking of 08 no's Code C aircraft at BPI airport, Bhubaneswar. (Commissioning level).
 - Approval of laying of Optical fibre cable inside the operational area at Bhavnagar airport. (Concept/Design and Execution level).
 - Approval of provided AFL, runway guard lights, taxiway lights, signage, CCR (Excluding AVDGS) at DBH airport Holker. (Commissioning level).

3.10 AIR SAFETY

The Directorate of Air Safety has been entrusted with the responsibility of ensuring Safety by conducting Surveillances/Regulatory Safety Audits & Incident Investigations Carried Out and the activities undertaken by the Directorate are as following:

3.10.1 National Aviation Safety Plan (NASP):

ICAO requires States to develop National Aviation Safety Plan taking into consideration the ICAO identified global HRCs and the local safety issues concerning the State. Based on ICAO SARPs and SSP-India, DGCA developed its first National Safety Plan for the period 2015 to 2016. Based on the experience gained in the implementation of the first National Aviation Safety Plan, DGCA developed the 2nd NASP for a period of Five years (2018-22) in the year 2018.

The National Aviation Safety Plan (2018-2022) has been amended and published in the year 2022 to include the following:

- Targets for the year 2020, 2021 & 2022.
- Acceptable Level of Safety Performance of India
- Provision of medical risk identification.

3.10.2 Annual Safety Review:

The performance of the Safety Matrix associated with NASP, expressed in terms of Safety performance indicator, Safety Targets and Safety Objectives is accessed annually to ensure that the safety trajectory is on the right path. The outcome of the assessment has been published in Annual Safety Review 2021.

3.10.3 Investigations Carried Out:

- DGCA has instituted investigations under Rule 13(1) of Aircraft Rules 2017 in 16 incidents.

- Regional Air Safety Office associated and guided the investigation of incidents by the Permanent Investigation Board of Airlines for Investigation of incident occurring to aircrafts operated by them.
- 43 Airprox incidents have been investigated.
- 2077 Wildlife Strike have been reported which have been entered in the database. (Till Nov-22).
- Safety recommendations emanating from investigations of various aircraft accident and incidents have been followed up for implementation with the concerned agencies so as to prevent recurrence of similar accidents/incidents.

3.10.4 Surveillances/Regulatory Safety Audits Conducted:

- DGCA makes Annual Surveillance Program which is available on DGCA website. For the year 2022, 43 Audits (Regulatory Audits/Safety Audits) and 477 Surveillance Inspections of Schedule Airlines & Various Non-Schedule & Private Operators were carried out. These inspections have pointed out various discrepancies which have been taken up with the operators for taking remedial measures.
- In addition to above, 01 special audits were also carried out.

3.10.5 Civil Aviation Requirements/Circulars Issued:

- Rule 29E on "Mandatory Safety Reporting System" of Aircraft Rules 1937 published on 08.04.2022.
- Rule 29F on "Voluntary Safety Reporting System" of Aircraft Rules 1937 published on 08.04.2022
- CAR Section 5, Series C Part I Issue II Revision 5 "Notification of incidents and investigation thereof" issued on 10.06.2022.

- CAR Section 5, Series F Part II Issue II “Flight Data Analysis Program (FDAP)” issued on 25.01.2022.
- CAR Section 1 Series C Part I Issue III “Establishment of a Safety Management System (SMS)” issued on 24.03.2022.

3.11 AIRCRAFT ENGINEERING DIRECTORATE

3.11.1 Aero Engineering Division:

I Design Organizations Approval (DOA):

Alternate Design Organizations Approval (DOA) enables ab-initio organizations to carryout design activities in small scales

SI No.	Name of the Organization	Approval granted
1	M/s SA Air Works India Private Limited	Approved Alternate Design Organisations under CAR-21 Subpart JA

II Type Certification of Aircraft

Type Certification is mainly consists of type design approval which will enable the organization to manufacture aircraft in India. Following projects are currently under process for which applications are submitted by INDIAN design organizations:

S. No.	Aircraft	Organization	Progress
1	Hindustan 228-201 (19 Seat aircraft)	Transport Aircraft Research & Design Centre (TARDC), HAL Kanpur	Type Certificate issued under Rule 49 of the Aircraft Rule 1937.

III Type Validation of Aircraft

SI No.	Aircraft	Organization	Progress
1	ANSAT helicopter	JSC” Kazan Helicopter	Letter of Type validation issued under Rule 49B of the Aircraft Rule 1937.

IV Approval of Major Modification on aircraft and Issuance of Service bulletin:

ALH- Helicopter

- Approval of Modification has been granted for installation of Flight Test instrumentation on Upgraded Dhruv.
- Approval of modification leaflet has been granted for confirmatory flight tests with indigenously developed M/s AEPL Military certified parts on

Upgraded Dhruv Helicopter on (VT-HEL).

- Approval of service bulletin for installation of Fluidlastic Damper (FL-1077-1).
- Life extension has been granted for AC System LRUs.
- Extension of Service Life Limit of Main (Pitch, Roll, Collective) & Tail Rotor Actuator LRUs of Civil (ALH) Dhruv helicopter from 15 years to 16 years

LUH- Helicopter

- Acceptance has been issued for the technical specification of Emergency Floatation System.
- Acceptance has been issued for the technical specification of Fire Detector System.
- Acceptance has been issued for the technical specification of Starter/ Generator.
- Acceptance has been issued for the technical specification of Generator Control and Protection unit.
- Acceptance has been issued for the technical specification of Fire warning Box.
- Acceptance has been issued for the technical Specification de-fuelling valve has been issued.
- Acceptance has been issued for the technical Specification for Flexible Push-Pull ball bearing control cable, Control Rods of Lower Flight Control System & Control Rods of Upper Flight Control System of LUH (Civil) has been issued.

HANSA-NG

- Approval of Wing modification Leaflet has been issued.
- Approval of wing, flap and aileron modification leaflet and its associated compliance documents has been accorded.
- Approval of main landing gear modification leaflet and its associated compliance documents has been accorded.
- Approval of horizontal tail modification leaflet and its associated compliance documents has been accorded.
- Approval of vertical tail modification leaflet and its associated compliance documents has been accorded.

V) ITSOA :

- Letter of Design Acceptance (LoDA) has been issued for CVR and FDR design and developed by ASERDC, HAL, Korwa.

VI) INTERNATIONAL CO-OPERTAION :

- Implementation Procedure (IP) duly signed between DGCA, India and FATA, Russia.

VII) Type Acceptance of Aeronautical Products/ Changes to their type design:

Type design of aeronautical products i.e. aircraft, engines and propellers certified by foreign Civil Aviation Authorities have been evaluated and followings have been granted type acceptance from design point of view for operation in India:

S. No.	Aeronautical Product	No. of type acceptance
1	Aircraft	17
2	Engine	13
3	Propeller	05
4	Helicopter	05
5	Hot Air Balloons	04

Supplemental type certificate/ changes in type design certified by foreign Civil Aviation Authorities have been evaluated and for total 31 STCs type Acceptance have been granted from design view point for incorporation of modifications on the aircraft operational in India.

VIII) e-Governance:

Under the digital transformation of DGCA services to ease of the applicant, following AED services have been live on eGCA

platform:

- Issuance of Supplemental Type Certificate (STC)
- Type acceptance of Type Certificate / Restricted Type Certificate / STC
- Type acceptance of Changes to Type Certificate /Restricted Type Certificate / STC
- Issuance of Airworthiness Directive
- Indian Technical Standard Order Authorization
- Acceptance of Design of Aircraft
- Design Organization Approval
- Approval of Modifications
- Routine Monitoring of CVR/FDR
- Approval of Flight Schedules
- Amendment to approved Flight Schedules
- Assessment of impact of financial stress on safety of operation.
- Air Traffic Data Analysis
- On-time Performance Monitoring
- Approval of new international routes.

3.11.2 Aviation Environmental Unit:

- DGCA has granted approval to M/s Indigo to carry out its first international ferry flight with 10% blended fuel on 17th Feb 2022 from Toulouse to Delhi.
- India submitted the international annual carbon emissions data to ICAO under CORSIA well within the

specified timeline.

- As a result of the India’s leadership, negotiations, considerations and deliberations at High Level meeting at ICAO, the ICAO Assembly has decided on the following which proved to be in favor of the developing countries:
 - a) Assembly Resolution A-41 has asked Member States to work together to strive to achieve a collective long-term global aspirational goal for international aviation (LTAG) of net-zero carbon emissions by 2050, recognizing that each State’s special circumstances and respective capabilities will inform the ability of each States to contribute to the LTAG within its own national timeframe.
 - b) Use of 85% of 2019 CO2 emissions as the CORSIA baseline after the pilot phase (2024 – 2035); and
 - c) Changes to the percentage of the sectoral and individual operator’s growth factors for the calculation of offsetting requirements under CORSIA as follows:
 - 100% Sectoral and 0 % individual for 2030 – 2032; (Previously 80% Sectoral & 20% Individual) and
 - 85 % Sectoral and 15% individual for 2033 – 2035 (Previously 30% Sectoral & 70% Individual).

3.11.3 Aero Laboratory Division

Following investigations have been carried out:

S. No	Activity	Number
1	Aircrafts failed parts were investigated in detail to determine the primary cause of failure and to avoid re-occurrences and accordingly reports were prepared.	08
2	CVR & FDR were monitored as per schedule	273+250=523

S. No	Activity	Number
3	CVR & FDR related to accident & incident were investigated	04
4	Fuel Samples were examined	106
5	Fuel test carried out for VVIP Flight, Accident & Incident, Fuel Tank Commissioning and Quality control monitoring	1976
6	Flammability tests & test reports were prepared	24

Air Transport Division

Following activities have been carried out:

S. No.	Activity	Number
1	Domestic schedule Flight approved in Summer & Winter Schedule	707630
2	Publishing of domestic Air Traffic Data	11
3	Handling of VIP references	97
4	Reply for Parliament Questions	142
5	Approval of amendment of flight schedules	9050
6	RTI reply	340/24
7	Handling of Court Cases pertains to ATD-AED	68 Active cases

3.12 AIR SPACE & AIR NAVIGATION SERVICES

The Directorate of Air Space & Air Navigation Services has been relentlessly engaged in pursuit to high degree of reliability of navigation facilities to ensure efficient and safe air operations which is being achieved through the mechanism of inspections audit and a robust reporting and notification system integrating the information from various Airport operators, Airports Authority of India, India Meteorological Department etc., to name a few. The activities undertaken for the period as on 31.12.2022 are detailed as following:

3.12.1 Surveillance activities as per Annual Surveillance Programme (ASP), 2022:

- Surveillance Inspection of ATM facilities at Raipur, Delhi, Patna,

Mangalore, Amritsar, Lucknow, Dibrugarh, Barapani, Shimla, Mysuru, Ahmedabad, Juhu, Mumbai, Udaipur, Agartala, Kolkata, Tiruchirappalli (Trichy), Indore, Cochin, Coimbatore and Madurai airports.

- Surveillance Inspection of CNS facilities at Kolkata, Goa, Tiruchirappalli (Trichy), Madurai, Vizag, Belgaum, Trivandrum, Mangalore, Guwahati, Shimla, Pantnagar, Aurangabad, Gaya, Mumbai, Calicut, Cochin, Delhi, Coimbatore, Bhubaneswar, Nagpur, Hyderabad, Chennai airports.
- Surveillance Inspection of MET facilities at Rajkot, Hyderabad, Jabalpur, Kolkata, Guwahati, Deharadun, Trivandrum, Lucknow, Delhi, Jaipur, Amritsar, Varanasi, Patna, Mangalore, Ahmedabad, Kannur and Bangalore airports.
- Surveillance Inspection of SAR facilities at AAI CHQ SAR Section, RCC Delhi and RSC Guwahati.

- Surveillance Inspection of AIS facilities at AIS Chennai.

3.12.2 Spot Inspection:

- Spot Inspection of ATM facilities at Bangalore, Guwahati and Patna airports.
- Spot Inspection of CNS facilities at Patna airport.

3.12.3 Special CAT-III CNS Inspection:

- Special CAT-III Inspection of CNS facilities at Delhi, Kolkata, Bengaluru, Amritsar, Jaipur and Lucknow airports.

3.12.4 CAR Preparation / Amendment:

- Amendment in CAR Section 9 Series C Part – I – Rules of the Air.
- Amendment in CAR Section 9 Series D Part – II – Aeronautical Telecommunications – Radio Navigation Aids.
- Amendment in CAR Section 9 Series D Part – III – Aeronautical Telecommunications – Communication Procedures.
- Amendment in CAR Section 9 Series D Part – IV – Aeronautical Telecommunications – Digital Data Communication and Voice Communication System.
- Amendment in CAR Section 9

Series D Part – V – Aeronautical Telecommunications – Secondary Surveillance Radar (In Process - To be published after CARG meeting approval).

- Amendment in CAR Section 9 Series E Part – I – Air Traffic Services.
- Amendment in CAR Section 9 Series G Part – I – Aeronautical Charts.
- Amendment in CAR Section 9 Series L Part – VII – Watch duty time limitations and rest requirements of air traffic services Personnel engaged in air traffic services (In Process - To be published after CARG meeting approval).

3.12.5 Manual / Handbook Preparation / Amendment:

- Preparation of Aeronautical Charts Inspector Handbook and Inspection Checklist.
- Amendment of PANS-OPS Inspector Handbook and Inspection Checklist. Preparation of Operations/Procedural Manual Acceptance Checklist.
- Amendment of ATM Inspector Handbook and Inspection Checklist.

3.12.6 Approval of new / amended Instrument Flight Procedures (IFPs):

List of new / amended Instrument Flight Procedures (IFPs) approved during 1st Jan, 2022 to 31st Dec, 2022:

S. No.	Name of Procedure
01	RNP 1 SID Pakyong Airport (VEPY)
02	ILS Z RWY 26 Vijayawada Airport (VOBZ)
03	RNP Y RWY 09L Shamsabad Airport (VOHS)
04	RNP Y RWY 27R Shamsabad Airport (VOHS)
05	RNP Y RWY 27 Deoghar Airport (VEDO)
06	RNP Y RWY 09 Deoghar Airport (VEDO)
07	ILS RWY 27 Aurangabad Airport (VAAU)
08	VOR RWY 27 Aurangabad Airport (VAAU)
09	RNP RWY 10 MOPA Airport (VOGA)

S. No.	Name of Procedure
10	RNP RWY 28 MOPA Airport (VOGA)
11	ILS Z RWY 05 Dibrugarh Airport (VEMN)
12	RNP Z RWY 23 LPV Kishangarh Airport (VIKG)
13	RNP Z RWY 05 Kishangarh Airport (VIKG)
14	RNP Y RWY 09 (LNAV, LNAV/VNAV) Aurangabad Airport (VAAU)
15	RNP Y RWY 27 (LNAV, LNAV/VNAV) Aurangabad Airport (VAAU)
16	VOR RWY 23 Rajkot Airport (VARK)
17	ILS RWY 23 Rajkot Airport (VARK)
18	ILS CAT I II III RWY 27L Bengaluru Airport (VOBL)
19	ILS LOC ONLY RWY 09L Bengaluru Airport (VOBL)
20	ILS CAT I II III/LOC ONLY RWY 09R Bengaluru Airport (VOBL)
21	ILS RWY 27R Bengaluru Airport (VOBL)
22	ILS Y RWY 26 WITH RNAV TRANSITION Vijayawada Airport (VOBZ)
23	NDB CIRCLING PROCEDURE RWY 04/22 Gondia Airport (VAGD)
24	VOR RWY 04 Gondia Airport (VAGD)
25	VOR RWY 22 Gondia Airport (VAGD)
26	ILS Y RWY 05 Dibrugarh Airport (VEMN)
27	RNP Y RWY 32 Nagpur Airport (VANP)
28	VOR RWY 12 Bhopal Airport (VABP)
29	VOR RWY 30 Bhopal Airport (VABP)
30	ILS RWY 30 Bhopal Airport (VABP)
31	VOR RWY 05 Dibrugarh Airport (VEMN)
32	ILS RWY 22 Vadodara Airport (VABO)
33	VOR RWY 04 Vadodara Airport (VABO)
34	VOR RWY 22 Vadodara Airport (VABO)
35	RNP Y RWY 07 Indore Airport (VAID)
36	RNP Y RWY 25 Indore Airport (VAID)
37	ILS Y & ILS Z RWY 23 Rajkot Airport (VARK)
38	VOR RWY 10 MOPA Airport (VOGA)
39	RNP Y RWY 26 Hollongi Airport (VEHO)
40	ILS RWY 26(CAT A/B/C) Hollongi Airport (VEHO)
41	ILS RWY 28 MOPA Airport (VOGA)
42	ILS Z RWY 23 Rajkot Airport (VARK)
43	VOR RWY 23 Rajkot Airport (VARK)
44	ILS Z RWY 27 Varanasi Airport (VEBS)
45	ILS RWY 14 Bhubaneswar Airport (VEBS)

3.12.7 Other Significant activities:

Recertification of GAGAN – Nangloi, GAGAN – Bengaluru, NDB – Koppal and NDB – Angul.

3.13 ADMINISTRATION

Directorate of Administration

3.13.1 Establishment-I Section

Office	Group	Category					
		TOTAL IN Position	SC	ST	OBC	Gen	EWS
O/o DDG NR	B	02	00	00	00	02	00
	C	28	02	02	07	18	00
O/o DDG WR	B	01	00	00	00	01	00
	C	19	03	00	06	10	00
O/o DDG Bangalore	B	01	01	00	00	00	00
	C	05	01	00	03	01	00
O/o DDG ER	B	03	01	0	0	02	00
	C	26	04	04	09	09	00
O/o GC Pune	B	00	00	00	00	00	00
	C	8	03	01	00	04	00
O/o DDG SR	B	03	00	00	02	01	00
	C	17	02	02	02	11	00
Total in position		113	17	09	29	59	00
Total Group B employees		10	02	0	02	06	00
Total Group C employees		103	15	09	27	53	00

3.13.2 Establishment-II Section

416 posts have been created in DGCA with the approval of Department of Expenditure vide ID note dated 08.08.2022. Further, approval of Competent Authority has also been obtained on the following points:-

Opening of new Regional offices of DGCA at Ahmedabad.

- o Up-gradation of Hyderabad, Sub Regional Office to the Status of Regional Office.

- o Transfer of existing Sub-Regional Office, Patiala to Amritsar.

- o Opening of four new Sub-Regional Offices at Dehradun, Nagpur, Agartala and Jaipur.

3.13.3 Requirement Cell

- In order to avoid international audit observations from FAA review audit and ICAO Audit regarding shortage of technical manpower in Directorate General of Civil Aviation

(DGCA), during the year 2022, the engagement process in respect of 19 Consultants {Flight Operations Inspectors} in various categories on contract basis was completed and they were engaged in DGCA.

- Further, during the year 2022, seventeen (17) other Consultants were also engaged against vacant posts in various Directorate of DGCA.

3.13.4 Vigilance Section

- i) **Disciplinary cases:** There was no disciplinary case during the year wherein vigilance angle was involved.
- ii) **Preventive Vigilance:** A systemic improvement study/inspection of Directorate of Training & Licensing (DTL) & Directorate of Flying & Training (DFT) were conducted during the year 2022-2023. Comprehensive reports recommending systemic/procedural improvement in DTL & DFT for better efficiency and transparency were prepared and sent to the concerned Directorate.
- iii) **Vigilance Awareness Week 2022:** Vigilance Awareness Week 2022 was observed from 31st October, 2022 to 06th November, 2022 in DGCA Headquarters and its Regional Offices on the theme "Corruption Free India for a Developed Nation" along with a 03 month campaign from 15.08.2022 to 15.11.2022 focusing upon complaint disposal, proper land records and optimum usage of assets as a precursor to Vigilance Awareness Week 2022. Various competitions like essay writing, poster making etc. were organized during Vigilance Awareness Week 2022. Workshops on (i) preventive vigilance and (ii) Anti-corruption measures by Government of India were also organized during Vigilance Awareness Week 2022 in DGCA Headquarters.

3.13.5 General Section

Swatch Bharat Abhiyan: DGCA contributed to Swachh Bharat Abhiyan by focusing on making this office clean and hygienic. In this process, some of the old office furniture/newspapers/e-waste were disposed off.

COVID-19: To fight CoVID-19, sanitizers and masks were distributed among the staff of DGCA Hqrs.

3.13.6 Finance Section

141 foreign Deputation proposals comprising Training, Inspection, Seminar and Physical audit etc. have been processed by Finance Section during the period from 1st April to 31st December, 2022.

3.13.7 P&C Section

- (i) Directorate General of Civil Aviation (DGCA) observed a week-long celebration of Birth Anniversary of Sardar Vallabhbhai Patel from 25th October to 31st October, 2022 and observed 31st October as **National Unity Day** (Rashtriya Ekta Diwas). The following activities were undertaken by DGCA to commemorate birth anniversary of Sardar Vallabhbhai Patel:

- Setting up of UNI-TEA corner on 25th October, 2022: wherein standees were arranged to deliver the message and the Officers/ Officials and staff of DGCA were encouraged to discuss about Sardar Vallabhbhai Patel over Tea.
- Chai Pe Charcha on 26th October 2022: All JDGs & DDGs of DGCA (HQ) were shown a short film about the life and work of the great nationalist leader – Sardar Vallabhbhai Patel. The film shown is titled 'Iron Man-Sardar Patel' and is produced by Films

Division. The short film was followed by the discussion on the life of Sardar Patel. Head of office at respective Regional offices also indulged in similar activities.

- E-Human Unity Chain on 27th October 2022: As an initiative to make the longest virtual E-Human Chain, all officers/ officials and staff were encouraged to log onto ektadivas.in and participate in the event by clicking and uploading selfies. Officers from regional offices also took part in Ekta Shrinkhala (E-Human Chain).
- Essay Writing Competition on 28th October 2022
- Audio Visual Presentation on Sardar Patel and Drawing Competition on 29th October, 2022: An Audio Visual presentation on the life of Sardar Vallabhbhai Patel was shown in DGCA HQ. The presentation was followed by a Drawing Competition on the topic 'Unity is Strength'. The event was attended by Officers/ Officials and Staff of DGCA along with their families.
- Unity Pledge on 31st October, 2022: As 31st October is observed as National Unity Day (Rashtriya Ekta Diwas), in Honour of Sardar Vallabhbhai Patel and in commencement of the week-long celebration of Birth Anniversary Sardar Vallabhbhai Patel, a Unity Pledge was held in DGCA. The Pledge was delivered by DG (CA).

(ii) DGCA observed **Communal Harmony Campaign Week** from 19th November to 25th November 2022 and observed Flag Day on the last working day of the week i.e. 25th November 2022. The following activities were undertaken by DGCA to celebrate the Communal Harmony Campaign Week:

- **Speech Contest** (English and Hindi) on 21st November, 2022: The Communal Harmony Campaign Week was started by organizing a Speech Contest on the topic – 'Importance of Communal Harmony'
- **Poetry Recitation Competition** (English and Hindi) on 23rd November 2022: A Poetry Recitation Competition (both English and Hindi) was organized in DGCA on the topic: 'Peace and Harmony'.
- **Three Legged Race** on 24th November 2022: As an initiative to foster merits of Unity, Integration and Harmony among Officers/ Officials of DGCA, a three-legged race was organized in DGCA and the participation was displayed in full vigor
- **Flag Day** on 25th November 2022: Flag Day is observed on the last working day of the Communal Harmony Campaign Week i.e. 25th November 2022. To commemorate this occasion, a National Integration Pledge was held in DGCA. The pledge was administered by DG (CA).
- **Donation Collection Drive** on 25th November 2022: Flag sticker distribution and donation collection drive was organized in DGCA for the National Foundation of Communal Harmony. Contributions were made by officers through the UPI code and other payment methods provided by the NFCH. Many Officers also contributed in cash form in the donation box. The total funds collected in cash are Rs.6,749/-

(iii) Further, Directorate General of Civil Aviation (DGCA) undertook Special Campaign 2.0 from 2nd October, 2022 to 31st October, 2022. The following activities were undertaken by the staff of DGCA to dispose of pending matters

and promote cleanliness at workplace and surroundings:

- **Weeding out of files/records:** Old files/records/documents were reviewed and weeded out by all Directorates/Sections and the Regional/Sub-regional Offices of DGCA during 03rd-4th October, 2022.
- **Disposal of pending references/assurances/grievances:** A drive was conducted on 6th-7th October to dispose of pending references from MPs/parliament assurances and grievances received in DGCA.
- **PledgeonSwachhata(Cleanliness):** DG (CA) administered a pledge taken by the officers and staff of DGCA on 7th October, 2022 with a resolution to take steps towards making our country clean and to encourage our fellow countrymen to do the same.
- **Sensitization of staff regarding cleanliness and hygiene:** Hygiene-kits were distributed to the housekeeping staff/Malis and guards on 10th-11th October, 2022 and the importance of using gloves and masks during cleaning activities was explained to them. It was also stressed that the used gloves and masks be properly disposed of.
- **Awareness campaign for stopping use of single use plastic/polythene and encouraging e-waste management:** An awareness drive was conducted in DGCA 12th-18th October, 2022 for spreading awareness to check the use of single use plastic/polythene through flex boards and pamphlets. Guidelines for e-waste management were also issued for proper disposal of e-waste.
- **Drawing/Poster Competition:** A Drawing competition was organized in DGCA on 19th October, 2022 on the topic: "स्वच्छता से समृद्ध पर्यावरण

की ओर".

- **Scrap disposal:** The Directorates and Regional Offices of DGCA carried out the task of disposal of scrap and old furniture during 20th-26th October, 2022 with an emphasis on recycling and reuse.
- **Shramdaan and Tree plantation for beautification:** Officers and staff of DGCA actively participated in Shramdaan activities like dusting, sweeping, etc. in their respective Sections as well as the office premises during 27th-28th October, 2022. Tree plantation in office premises was also carried out in DGCA.
- **Essay Competition:** An essay competition was organized in DGCA on 31st October, 2022 on the topic: 'स्वच्छ भारत – आत्मनिर्भर भारत' i.e. 'Clean India - Self-reliant India'.

3.14 DIRECTORATE OF MEDICAL SERVICES (CIVIL AVIATION)

The Directorate of Medical Service is entrusted with the responsibility of being the advisor to the DGCA on all medical matters in terms of the initial and recurrent training of all categories of personnel involved in the medical examination and assessment mandated by the ICAO in Annex 1.

The Directorate is being manned by Medical Assessors representing DGMS (Air) who are either Aerospace Medicine Specialists or are trained in Aviation Medicine aspects and are on active service of Indian Air Force. The medical assessment for the medical examination conducted by Medical Examiner is issued by the Director/ Joint Director Medical Services (Civil Aviation).

The Directorate has been instrumental for ensuring medical assessment to the flight crew in accordance with the provisions

contained in Rule 39B and Rule 39C of the Aircraft Rules, 1937 and the statistical records of the activities for the year 2022 (up to 31 December 2022) are as following:

e-GCA Project	
100% e-Approval of CA Form 34/34A through e-GCA Portal by DGCA Empanelled Class 1, 2& 3 Medical Examiners for the purpose of Class 2 & 3 Initial and Class 1, 2& 3 Renewal Medical Examinations.	

Empanelment/Re-empanelment of Civil Doctors	
(a)	Grant of DGCA Approval for initiating the process of 'Empanelment/Re-empanelment of Class 1 & 2 Medical Examiners' to increase the number of DGCA Empanelled Class 1 & 2 Medical Examiners from 35 to 40 and from 105 to 124 respectively.

REVISION OF POLICIES	
1.	Revision of CAR, Section 7 , Series C Part I, Issue II on 'Medical Requirements and Examination for Flight Crew/ Air Traffic Controller Licences and Ratings' dated 12 Oct 17 was done on 18 October 2022 (Revision 6).
2.	Revision of 'Procedure and Training Manual of Medical Dte (DGCA)' on 20 October 22 (Revision 3).
3.	Revision of 'Handbook for DGCA Empanelled Medical Examiners/ Examination Centres dated 22 October 2018 was done on 20 October 2022 (Revision 2).

S.No.	Public Notices/ Circulars, promulgated on DGCA Website	Dated
1.	DGCA Public Notice on 'Conduct of Class 1 civil aircrew medical examinations in view of Covid-19 pandemic at IAF Centres published vide AV/22025/37/DMS/MED.	06 Jan 2022
2.	DGCA Public Notice on 'Conduct of re-initial class 1 medical examinations (other than FATA Pilots and Serving Pilots of Indian Armed Forces) at Dr. Balabhai Nanavati Hospital, Mumbai (a DGCA Empanelled Civil Class 1 Initial Centre)' published vide AV/22025/37/DMS/MED.	01 Feb 2022
3.	A Public Notice on 'Resumption of conduct of civil aircrew medical examinations at Indian Air Force (IAF) Renewal/ Boarding Centres' published vide AV/22025/37/DMS/MED.	10 Feb 2022
4.	A Medical Circular on 'Notification after period of medical unfitness of Flight Crew' as Medical Circular No. 03 of 2022 published vide AV/22025/25A/DMS/MED.	29 Mar 2022
5.	A Public Notice on 'On-line appointments for medical examinations of DGCA licence holders at the six Indian Air Force Boarding Centres on eGCA portal published vide AV/22025/37/DMS/MED.	09 Jun 2022

S.No.	Public Notices/ Circulars, promulgated on DGCA Website	Dated
6.	A Medical Circular 04/2022 on 'Guidelines for Medical Examiners for Aeromedical Evaluation of Transgender (Including Gender Dysphoria and Gender Non-Conformity) for Class 1, 2 or 3 Medical Assessment' published on DGCA website vide DGCA File No. AV/22025/25A/DMS/Med.	10 Aug 2022
7.	DGCA Public Notice on 'Empanelment/ Re-Empanelment of Class 1 and Class 2 Medical Examiners by DGCA' published on DGCA website vide DGCA File No. AV/22025/17/DMS/Med.	10 Oct 2022
8.	DGCA Public Notice on 'Physical workshop for all DGCA Empanelled Class 1, Class 2 & Class 3 Medical Examiners at IAM, IAF, Bangalore on 06 Nov 2022' published on DGCA website vide DGCA File No. AV/22025/18B/DMS/Med.	11 Oct 2022
9.	A DGCA Public Notice on 'Suspension of Empanelment as DGCA Class 1, 2 & 3 Medical Examiner' w.r.t Dr. US Mohalanobish was published vide DGCA File No. AV/22025/26/DMS/MED dated	09 Dec 2022

S. No.	Nomenclature	Total (As on 31 Dec 22)
1	Total No. of Civil Aircrew Medical Examination conducted	24664
2	Total Fit Medical Assessment issued	24213
3	Total Temporary Unfitness Medical Assessment issued in Class 1 & Class 2 Medical Examination	286
4	Total Short Falls / Observations issued i.r.o Civil Aircrew Medical Examination	165
5	Annual Surveillance Audit Done for DGCA Class 1 & 2 Medical Examiners (as per ASAP 2022)	23
6	Total NOCs issued	3605
7	Total RTI disposed off	19
8	False Declaration	05
9	Total Permanent Unfit Cases & Appeal Cases	37

3.15 ATCO LICENSING DIVISION

ATCO Licensing Division has undertaken various activities which are summarized as follows:-

- In the ICAO audit, 2017, 71 Protocol Questions (PQ) pertaining to Personnel Licensing (PEL) were made unsatisfactory(UNSAT) resulting an

overall Effective Implementation (E.I.) score of 25.58 for Republic of India which was well below global average (about 71), as a result rank of India in ICAO SARPs implementation was plummeted to 102. Subsequently. Due to merger of few PQs in related PQs, the number of UNSAT PQs were

64. Concerted efforts were put up by ATCO Licensing Division which was required for better EI score. Rules, Civil Aviation Requirements, Formal procedures and Manuals were prepared and subsequently implemented for satisfying UNSAT PQs. ICAO in their recent ICVM audit conducted from 09th November to 16th November 2022 examined the action taken by Republic of India in the areas of PEL in general and ATCO Licensing in particular and after review, revised the EI score to 84.71 in the preliminary report/debriefing. As a result, India's rank in ICAO SARP implementation has been raised to 48 from 102.

- Civil Aviation Requirements i.e. CAR Section 9 Series L Part II, III, IV, V, IX & X were amended to incorporate Amendment 176 to ICAO Annex 1.
- Issuance of ATCOL/SATCOL & endorsement of ratings to Air Traffic controllers are processed through eGCA(online mode) only with discontinuation of physical mode of applications to facilitate end-to-end digital solutions for ATCOL, SATCOL and ATSTO.
- Generic Rating and Training Manual (RTM) for Air Traffic Controllers was amended to incorporate latest amendment to ICAO Annex1.
- Issued around 140 Air Traffic Controller's licenses in the year 2022.
- Issued more than 03 Student Air Traffic Controller's licenses in the year 2022.
- Carried out endorsement of ratings i.e. Aerodrome Control, Approach Control Procedural, Approach Control Surveillance, Area Control Procedural, Area Control Surveillance and Oceanic Control (total of appx.

750 endorsements) on ATCO Licenses issued by DGCA.

- As per requirement of AAI (ANSP), accorded approval to revised Training & Procedure Manual (TPM), Quality Assurance Manual (QAM) along with Examination Procedure Manual (EPM) of Air Traffic Services Training Organization (ATSTO) at CATC-Prayagraj, NIATAM-Gondia and HTC-Hyderabad.
- Carried out surveillance inspection of Air Traffic Services Training Organization (ATSTO) at CATC-Prayagraj, NIATAM-Gondia and HTC-Hyderabad. Granted acceptance to nearly ten (10) Post holders.
- Granted acceptance to nearly fifteen (15) Post holders of AELTO/TSP.
- Granted approval to appx. Fifteen (15) Rating Training Manual (RTM) of different airports.
- Approved transition plan for complete Area Ratings instead of sector wise ratings at Chennai ATS station.
- Carried out Physical Surveillance inspection of Thirty four (34) ATS Units which includes major ATS Stations such as Mumbai, Kolkata, Delhi, Hyderabad, Bangalore, Lucknow, Chennai, Nagpur, Varanasi etc. and also carried out online surveillance inspection of two (02) ATS Units which includes Kolkata & Guwahati.
- More than 05 Enforcement actions were taken to ensure compliance of applicable rules/ regulations and as a part of safety oversight system and resolution of safety issues.
- Carried out Surveillance inspection on proficiency checks of ATCOs at twenty eight (28) Airports which includes Chennai, Kolkata, Mumbai, Shamshabad Bengaluru etc.

3.16. DIRECTORATE OF TRAINING

Training conducted by the training Division from January to December 2022 for DGCA officers/ and Aviation Industry are as follows:-

S.No.	Programme	Level of Participants	Dates (from-to)		Batch Size	Course Coordinator
1	Induction Training For Newly Inducted Officer/Official of DGCA (Module -1 Phase -1)	Newly Recruited Officers of DGCA	01 Feb 2022	15 Feb 2022	51	Training Division DGCA Hqrs
2	Induction Training For Newly Inducted Officer/Official of DGCA (Module -1 Phase -11)	Newly Recruited Officers of DGCA	28 march 2022	16 June 2022	25	Training Division DGCA Hqrs
3	SMS/SSP Workshop	DGCA & Aviation Industry	09 Aug2022	12 Aug 2022	Total 70 Participants in 04 days workshop	Training Division DGCA Hqrs
4	SMS/SSP Train the Trainer Program	DGCA & Aviation Industry	16 Aug2022	18 Aug 2022	58	Training Division DGCA Hqrs

3.17 DRONE DIRECTORATE

S. No	Topics	
1	Total Remote Pilot Training Organization (RPTO) approved in year 2022	39
2	Total surveillance of Remote Pilot Training Organization (RPTO) in year 2022	19
3	Total No of Type Certificate granted in 2022	07
4	Total fine imposed under Drone Rules in 2022	Rs. 1,25,000
5	Total number of Unique Identification Number (UIN) issued through automated process (in DSP) in 2022	5600 (Approx.)
6.	Drone Training Circulars (DTC) Issued in 2022.	03
7.	No. of Swachhta Drive Conducted in 2022	26

Status of implementation of E-Governance 2022:

Total no. of files	Total No. of e-file
216	195

Status of Public Grievances 2022:

No. of Public Grievances redressed during the 2022	No. of public Grievances pending at the end of the 2022
19	NIL

3.18 CENTRAL EXAMINATION ORGANISATION

The Central Examination Organization (CEO) of Director General of Civil Aviation is vested with the responsibility of conducting knowledge based examination for Aircraft Maintenance Engineers (AMEs, Pilots, and Flight Dispatchers. Flight Engineers Foreign Aircrew Temporary Authorization (FATA), Flight Instructor Ratings (FIR) and Assistant Flight Instructor Ratings (AFIR) as per the requirements laid down in the Aircraft Rules and relevant Civil Aviation Requirements for the purpose of issue of Licenses. The CEO conducts these examinations throughout the year with Centers spread all over India.

The Central Examination Organization has carried out the following important activities during the year 2022 which can be considered for the Annual Report.

The table shown below indicates the number of candidates Scheduled in the examinations conducted by the CEO during the period from January 2022 to December, 2022.

S. No.	Examinations	Numbers
1	Aircraft Maintenance Engineers	42607
2	Pilot	36913
3	FATA	18
4	FIR/AFIR	204
5	Flight Dispatchers	176
6	Flight Engineers	15
7	Computer No. application for Pilot	9024
8	Computer No. application for AME	3216

4. BUREAU OF CIVIL AVIATION SECURITY

4.1 INTRODUCTION

The Bureau of Civil Aviation Security (BCAS) is an attached office of the Ministry of Civil Aviation. The aim of BCAS is to safeguard civil aviation operations against acts of unlawful interference. The Bureau is responsible for laying down the standards for security in respect of civil flights operating to/ from India and ensuring their compliance through regular inspections and security audits. The growth of Civil Aviation Industry has presented many new challenges, especially those related to security. In order to meet these formidable challenges, it is imperative that there must be in-depth appraisal of Government Policy/initiatives and its implementation collectively.

BCAS has its headquarters in New Delhi. It is headed by Director General, who is the "Appropriate Authority" to ensure development, maintenance, updating and implementation of National Civil Aviation Security Programme for India and fulfill all international obligations in this context. The Bureau is the regulatory authority for discharging all relevant national and international requirements in respect of coordinating, monitoring, inspecting and training the personnel in Aviation Security (AVSEC) matters, implementation of AVSEC quality control programme and up-gradation of technology for securing civil aviation.

Prior to 2016, the Bureau had eight number of Regional Offices at Ahmedabad, Amritsar, Chennai, Delhi, Guwahati, Hyderabad, Kolkata and Mumbai which were increased to nine after establishment of Regional Office at Imphal. In the year

2018 & 2019, eleven new Regional Offices have been established at Bengaluru, Bhopal, Bhubaneswar, Dehradun, Ranchi, Jaipur, Lucknow, Patna, Raipur, Srinagar and Thiruvanthapuram. Each of the Regional Offices is headed by Regional Director, BCAS responsible for regulating, monitoring and conducting regular security inspections and audits of the airports in their area of jurisdiction.

The Bureau has developed Contingency Plans to deal with emergencies arising out of hijacking and other acts of unlawful interference to Civil Aviation operations. Among other things, it provides for the establishment of Aerodrome Committee at each airport. Crisis Management Procedures are activated immediately on the occurrence of any emergency, like security threats to the civil aviation, terrorism, hijacking, unlawful seizure of aircraft etc. Keeping in view the operational requirements in the changing security scenario, the Contingency Plan has been suitably modified and issued to all concerned. In order to test the efficiency of Contingency Plan and operational preparedness of the concerned agencies, mock exercises are being conducted regularly at the airports.

BCAS has coordinated for G-20 meetings; collated and shared comprehensive aviation security policy & guidelines with MEA and concerned authorities for smooth passage of foreign dignitaries and delegation through Indian airports. Nodal officers at BCAS HQ and 20 regional offices are appointed for necessary coordination and facilitation. All Regional Directors across the country have been briefed by Director General.

4.2 INITIATIVES TAKEN TO IMPROVE SECURITY AT AIRPORTS

4.2.1 Aircraft (Security) Rules 2011 has been revisited. Draft Aviation Security Rules, 2022 with new regulations, protecting broader / larger spectrum of all aviation security concerns have been drafted and notified on MoCA & BCAS website for public comments.

4.2.2 For the first time, concept of risk based vulnerability assessment for airports involving BCAS is introduced and the process of categorization of airports has started on the input matrix based on inputs of central intelligence, local police, state intelligence & Regional offices. Accordingly, categorization of 134 airports in India (Normal, Sensitive, hyper-Sensitive) has been issued vide AvSec Circular no. 05/2022 dated 16.12.2022.

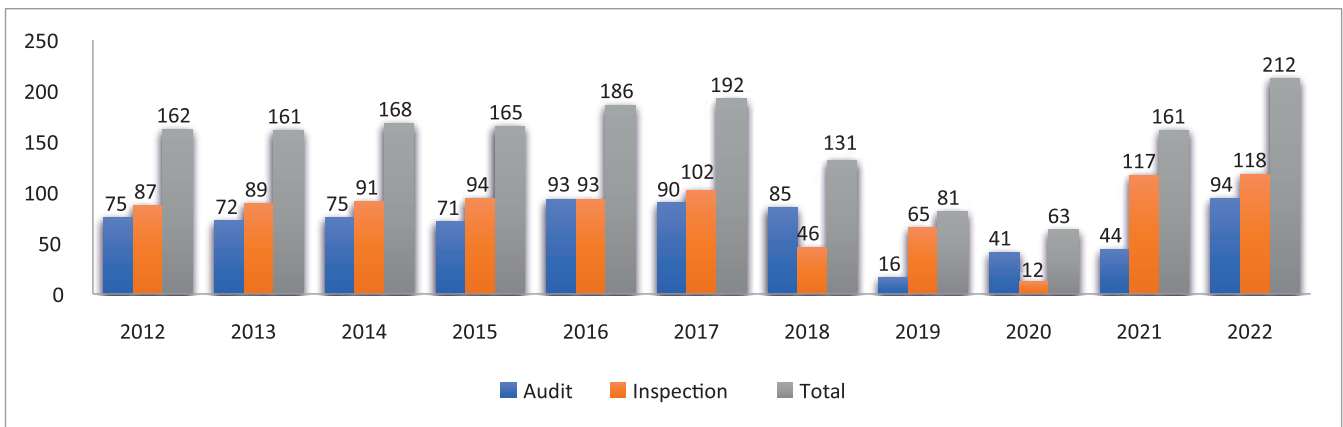
4.2.3 To optimize security processes and solutions for passenger facilitation, guidelines ensuring security in design according to passenger handling capacity is issued, for the first time, for approval of commercial spaces at airports.

4.2.4 Security vetting & clearance: security vetting proposal of various Airports

pertaining to many development work received in BCAS HQ were examined and proceeded as per BCAS Norms and Guidelines. A total of 257 number of vetting proposals were finalized which resulted into many new developments related to infrastructure that further led to growth in passenger facilities as well as commercial activities. These include the cases of RCS airport also.

4.2.5 Manpower: The proposal for augmentation of security manpower as per re-survey of 43 Airports were received in BCAS Hqr which were examined and finalized after due deliberations in the re-survey meeting with stakeholders and subsequently submitted to concerned Departments. This also led to enhanced level of Security and aviation operations at airports including the cases of RCS airports also.

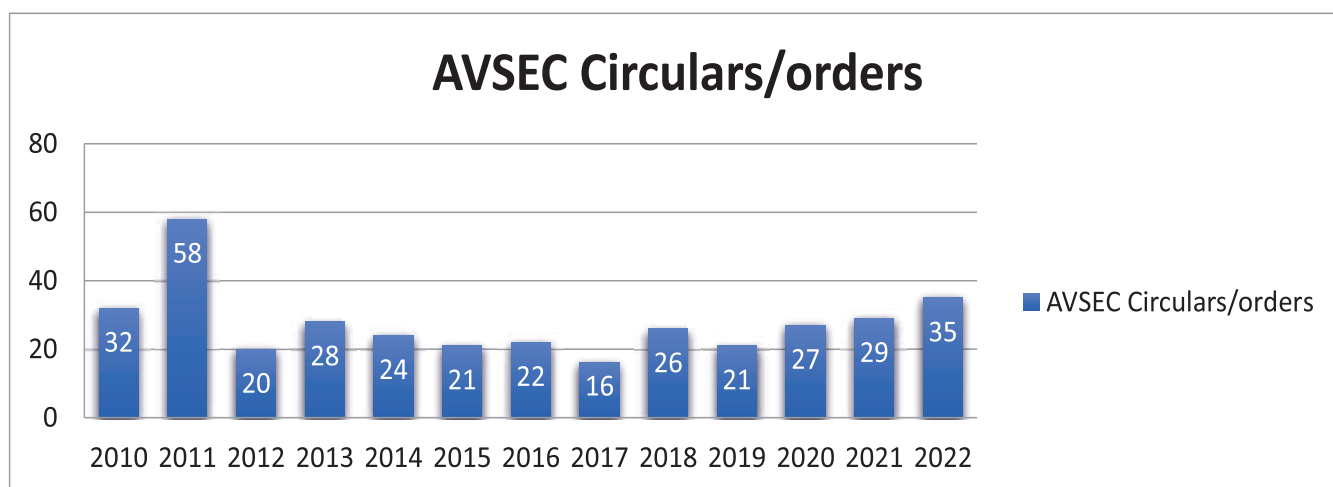
4.2.6 Security Audit/ Inspection: Security audits and inspections of the airports were conducted across the country to examine the effectiveness of the security system at various airports. A total of 94 audits and 118 inspections were conducted in the year 2022.



4.2.7 Aerodrome Security Programmes: A total of 08 Aerodrome Security Programme proposals received from various Airports/ Various Airport operators, were examined as per BCAS norms and approved accordingly.

4.2.8 Regulations are enforced through AVSEC orders and AVSEC circulars pertaining to different aspects of aviation security. A total of 35 numbers of AVSEC

Order/ Circulars and their addendum/ Corrigendum have been issued in the year 2022 in this regard. The regulations of BCAS are fully compliant with all the Standard and Recommended Practices of International Civil Aviation Organization including its latest amendments. Further, 108 nos. of existing AVSEC Circulars / Orders / regulations have been collated and compiled, subject wise, into 7 no of AVSEC Circulars and Orders.



4.2.9 Security Programmes: Details of approved Security programmes in the year 2022 are as under:-

S. No	Particulars	Approved
01	Aircraft operators Security Programme(Domestic) { Scheduled }	03
02	Aircraft operators Security Programme(Foreign) { Scheduled }	29
03	Security Programme of RA	24
04	Security Programme of GHA	39
05	Security Programme of Non Scheduled Operators	30
06	Security Programme of Private Operators	02
07	Security Programme of Catering	09
08	Private Security Agency (PSA)	18
09	Schedule Commuter Operator (SCO)	01
10	Flying Training Organization (FTO)	05
11	Fuel Farm Security Programme (FFSP)	83
12	Maintenance, Repair & Overhauling (MRO)	16

- 4.2.10** During the Year 2022, Anti Hijack Mock exercises were conducted at 111 Airports and Bomb Threat Mock Drills meetings were held at 102 Airports. In addition, 12 draft Anti Hijacking Contingency Plans, 10 Bomb Threat Contingency plans (BTCP) and 07 Counter Terrorist Contingency Plan (CTCP) were approved during the year 2022.
- 4.2.11** A Standard Operating Procedure of Body Scanner for screening of persons including passengers at Indian airports to detect both metallic and non-metallic items concealed on the body under clothing introduced vide AVSEC Circular No. 05/2019 dated 08/04/2019. One addendum to AvSec Circular 05/2019 was published on 16.11.2021 with the deferred requested time line till March 2022. Further, Airport Operators have been directed to install Full Body Scanner (FBS) at Hyper sensitive and sensitive airports within one year and for other airports within two years from the date of issue of the addendum. FBS trial directive is being prepared by BCAS for testing and examination of FBS
- 4.2.12** In 2022, BCAS has ensured installation and commissioning of Radiological Detection Equipment for securing the airports from radiological and nuclear threats/ emergencies. These equipment were installed at all 14 Airports (Phase-I). Standard Operating Procedure for Operationalisation of Radiological Detection Equipment (RDE) at Indian Airports to prevent the Radiological Emergencies has been circulated vide AVSEC Circular No. 01/2020. BCAS requested MOCA to issue appropriated directions to the concerned airport Operators for signing of AMC for overall equipment effectiveness of RDEs, being part of the security apparatus of airports. RDE Phase –II for 10 airports is under consideration of MoCA.
- 4.2.13** The Centralized Access Control System based on Biometric AEP has been implemented across India under jurisdiction of 20 BCAS Regional offices and 1,80,879 Biometric based AEPs have been issued in the year 2022.
- 4.2.14** Basic requirements and Technical Specifications/ QRs for Counter- Drone technology/solutions for Surveillance, Detection and Neutralization of drones/ UAVS for Airports has been issued with time frame in the form of AVSEC Circular No. 02/2020. BCAS has issued an addendum of AC 02/2020 dated 09/02/2021. National Counter Rogue Drone Policy and Guidelines is under deliberation at MHA level. A high level committee constituted by MHA to finalize the SOP and technical specification.
- 4.2.15 SOP on Counter Terrorist Contingency Plan (CTCP)** at airports has been issued vide AVSEC Order No. 02/2020 for strengthening of airport security looking into present scenario of ever increasing aviation sector.
- 4.2.16** BCAS coordinated & facilitated for the 90th Interpol General Assembly held from 18th to 21st Oct, 2022 in Delhi hosted by CBI by appointing nodal officers. BCAS also coordinated & facilitated conference on “No Money for Terror” hosted by NIA this year.

4.3 PASSENGER FACILITATION

Dispensing with stamping of hand baggage tags: As of now, the stamping of hand baggage tags has been dispensed with at **64 airports**. This has enabled faster clearance of passengers. Removal of baggage stamping has been the result of constant review of passenger convenience and security requirements across major airports. Checking of boarding card of passenger and tag of his hand baggage

for the presence of stamp were in practice to ensure that the passenger has been frisked and his baggage screened by the security personnel.

BCAS has stipulated AvSec Circular no. 01/2022 dated 03.02.2022, in order to improve the air travel screening process and to ensure that all persons, regardless of their personal needs and situations are treated with dignity, respect and courtesy. This is aimed to better serve passengers with disabilities and/or with reduced mobility and to improve screening experience of such passengers along with carried mobility aids and assistive devices.

Towards implementation of protection of personal data of passengers, cargo etc., BCAS issued AVSEC Circular for the first time. BCAS is also in the process of drafting regulations on Aviation Cyber Security which is going to be one of the major security concerns in the future.

Action taken by BCAS, due to COVID-19: - In order to counter spread of COVID-19 by touch/contact, BCAS has circulated guidelines on the following topics:

A detailed Standard Operating Procedure (SOP) has been issued for Passengers Screening.

Procedure for Carry-on baggage Screening has been stipulated.

Due to the spread of Coronavirus infection, passengers are being advised to use Hand Sanitizer frequently. Therefore, it has been decided that passengers boarding an aircraft have been allowed to carry-in his/her hand baggage or on his/her person liquid Hand Sanitizer upto 350 ml. replacing BCAS previous permission upto 100ml.

4.4 EASE OF DOING BUSINESS

4.4.1 For ease of doing business, BCAS has organised 9 Level-1 meetings of Aviation Security stakeholders in the year 2022, listened to their issues, examined them and issued amended guidelines to facilitate operations. Similarly, BCAS has organised various meetings on Cargo, Transshipment, smooth & swift carriage of harvested organs through air for life saving and Airline Security Functions etc.

4.4.2 Online security clearance: Security clearance of entities operating at airports has been migrated from physical form to online mode after development of online security clearance portal i.e. e-Sahaj in order to bring greater transparency, accountability and reduce processing time. A total of **804 security clearances** of different categories like Concessionaire, Catering, Regulated Agents (RA), Ground Handling Agency (GHA), Private Security Agency (PSA), GSA/GSSA/ Authorised Agent, Fuel Farm and Auxiliary Service Provider have been approved through e-Sahaj portal from **01.01.2022 to 31.12.2022**.

Approved list of e-sahaj application (security Clearance) for the year 2022.

S. No.	Category	Total
1	Concessionaire	235
2	Catering establishment	6
3	Auxiliary Service provider	495
4	RA	7
5	GHA	23
6	Fuel Farm	5
7	PSA	24
8	GSA/GSSA/Authorised Agent	9
	Total	804

- 4.4.3** Draft Bilateral Agreements for Technical Cooperation on Aviation Security with countries where Indian carriers operate were prepared. These draft agreements have been sent to the Ministry (MoCA) in respect of Nepal, Sri Lanka, Bangladesh, Singapore, UAE and Germany.
- 4.4.4** Training module of e-BCAS project has been implemented with the purpose of switching from the manual training application process to online system. The training module of this project is available at MoCA dashboard portal for all stakeholders. This project is an initiative for online work of Quality Control Division, Operation Division, Training and Policy Divisions of BCAS. After completion of all modules of this project, applicants working in aviation sector will be able to know the status of their application requested to BCAS.
- 4.4.5** For ease of handling of transshipment cargo by domestic carriers, security measures for "Handling of domestic to domestic transshipment cargo" has been issued by Policy Division vide addendum dated 23.12.2022 to AC 08/2008 dated 10.09.2008.
- 4.4.6** Capacity assessment in respect of 12 Domestic and International airports to review and mitigate the congestion at these airports has been conducted by Policy Division in the month of Dec 2022.

4.5 MODERNISATION

BCAS has engaged NIC to develop an e-governance plan for modernization and automation. All the staff members have been trained for basic operation. All documentation both in Hindi and English is being done on computer; leading to the development and administration of Database and Electronic Data Processing.

RF link from NIC Headquarters to Bureau is being utilized to enable quick and easy access to Internet and NICNET. E-mail facility has been extended to senior officers. Internet connectivity has been provided to enable access to international databases and various websites of Aviation Security Organizations.

All officers of the BCAS have been provided with an official e-mail ID which is being utilized by them for all forms of correspondence. It has resulted in greater savings in terms of time and efforts. BCAS web-site has been made user friendly and bilingual for travelling passengers by including relevant information for them.

Approval of Aerodrome Entry Permits has been automated.

Biometric Attendance System as well as e-office system has been implemented completely at BCAS and its Regional Office. All the files/receipts are being processed electronically only.

BCAS has on boarded GeM in the year 2016 and since then products/ services available there are being procured from GeM to enhance transparency, efficiency and speed in public procurement.

Implementation of E-Sahaj in All Regional Offices: Implementation of "e-Sahaj" in all Regional Offices and its integration with BCAS Hqrs achieved and it would ensure efficiency, speed and time bound processing of the security clearance of entities. The prescribed application Proforma of security clearance in E-Sahaj portal of various entities has been revised by the BCAS, as the entities as well as BCAS were facing lot of difficulties while applying /processing the application due to non-clarity of the earlier format of application Proforma. After inductions of revised Proforma, entities are finding it

very user friendly and easy guidable for filing their applications smoothly which minimizes the processing time.

4.6 RESTRUCTURING/STRENGTHENING OF BCAS

All the 20 regional offices of BCAS established across India for strengthening Civil Aviation are operational. Civil Aviation Security Liaison Officer (CASLO) offices are also operational.

In the year 2022, 03 additional Group A post viz Deputy Director (Tech), Deputy Director (Int.) and Law officer have been created. As on 31st December, 2022, a total of 398 posts are filled against the sanctioned post of 595 in BCAS.

4.7 R&D DATABASE FOR AVSEC

BCAS maintains details of Inspection Reports, follow-up action, feedback reports, Security Audit Reports, detailed documentation of Incident Investigations etc on the server through networked desk station. In due course of time, Bureau proposes to accumulate reliable database for EDP and R&D purpose.

4.8 POLLUTION CONTROL

Pollution test for all vehicles is ensured and the Pollution under Control Certificate is pasted visibly on the windscreens of all BCAS vehicles. All office buildings of BCAS ensure clean and green working environment through employees' own initiatives and contribution to the efforts towards a pollution free atmosphere. BCAS ensures that all new vehicles are "Bharat-IV/VI" Certified. Bureau also provides a "Smoke – free Environment" to its employees.

4.9 WOMEN'S WELFARE

Problems of the women employees, as and

when reported, are promptly attended to and resolved, keeping in view specific requirements of Government Policy on the subject. An Internal Complaints Committee for addressing the complaints of sexual harassment at workplace has been reconstituted comprising Chairman at DDG level and one member from NGO.

4.10 TRAINING

Bureau of Civil Aviation Security is the regulatory body for Aviation Security in India and BCAS has approved 33 Aviation Security Training Institutes (ASTIs) of stakeholders/entities working in Aviation Sector in India. These ASTIs are conducting different Aviation Security training/courses as per the approval of DG, BCAS. They are also conducting one day awareness training for non-security staff also.

BCAS Training Division prepared the Annual Training Calendar 2022 for the Advance AvSec Courses, Testing and Certification of Screeners (Standalone as well as ILHBS) and AvSec Basic Course and accordingly the training calendars were uploaded on the BCAS Website and courses and test were conducted.

BCAS in coordination with the NIELIT has conducted AvSec Basic Course online examination on the final day of the course in different cities of India especially in Delhi, Dehradun, Mumbai, Kolkata, Hyderabad, Chennai, Bengaluru and Cochin. However, on the special request of Regional Offices of BCAS or on requirement basis, the tests were also conducted in other cities of India i.e. Srinagar (J & K), Lucknow (UP), Amritsar/Jalandhar (Punjab), Kangra (Himachal Pradesh), Patna (Bihar), Guwahati (Assam), Jaipur (Rajasthan), Ranchi (Jharkhand) for APSU personnel where the facility for conduct of online test was available with NIELIT.

BCAS conducted Testing and Certification of Screeners (Standalone) at Regional Offices of BCAS at Delhi, Mumbai, Chennai, Hyderabad, Kolkata, Amritsar, Guwahati, Bengaluru, and Ahemdabad. Testing and Certification of Screeners (ILHBS) at Regional Offices of BCAS at Delhi, Mumbai, Hyderabad, Bengaluru, and Cochin.

In addition to the regular slots, special slots of Testing and Certification of Screeners (Standalone) were allotted to InterGlobe Aviation Limited, SpiceJet Ltd, Air India Ltd, Air Asia (I) Ltd, Go Air, Karnataka State Industrial Security Force (KSISF), CISF, TATA SIA airlines Ltd, CELEBI, DCSC Etc. Total 53 special slot for Testing and Certification of Screeners (Standalone) were approved and allotted to different entities as per their requirement.

Special slot of Testing and Certification of Screeners (ILHBS) were allotted with the approval of DG, BCAS to CIAL, BIAL, MIAL, GHIAL, DIAL and AAICLASS. Total 12 special slots for Testing and Certification of Screeners (ILHBS) were approved and allotted to different entities as per their requirement.

Special approval for the 5 days Induction training for the APSU personnel under RO Guwahati, Patna, Ranchi, Hyderabad & Chennai were also accorded and accordingly RD's conducted the 5 days AvSec Induction Training.

AvSec Basic Course online examination is being conducted with the coordination of NIELIT and bilingual question paper is prepared by BCAS and in addition bilingual question paper for Testing and Certification of Screeners (Standalone) is also prepared with a view to increase the use of official language Hindi by aviation personnel.

Nomination for the Advance AvSec Courses being conducted in Aviation Security Training Centre (ASTC), IAA Campus, New Delhi are being received in e-BCAS Training Module from all stakeholders and accordingly the eligibility criteria is checked and after the approval of DG, BCAS the courses for eligible trainees are conducted.

Further we have conducted additional batches of AvSec Instructor Course, AvSec Instructor Refresher Course, AvSec Auditor Course and AvSec Auditor Refresher courses in ASTC, IAA Academy in addition to the regular courses scheduled as per BCAS approved Annual Training Calendar 2022.

The special batch of AvSec Basic Course for newly joined BCAS officers / officials on deputation in BCAS was conducted. The AvSec Instructor and AvSec Auditors course for BCAS officers were also conducted in ASTC, IAA Campus with the approval of DG, BCAS.

TRAINING ACHIEVEMENTS

During the period efforts were made to establish more ASTIs of State Police, CISF and others stakeholders. Accordingly, ASTIs of Karnataka State Industrial Security Force (KSISF), CISF/ASG, Amritsar, AAI Guwahati, M/s SNV Aviation Pvt Ltd, Gurugram (Haryana) were accredited and Aviation Security training started in the ASTIs.

In order to sensitize the State Police authorities, BCAS has organised a meeting with the representatives of the States Police authorities at Vigyan Bhawan , New Delhi in Oct, 2022 and apprised them about the significance of Aviation security training and requirement of establishing ASTIs in the states as well.

The updation of Training Reference Book (TRBs) of AvSec Basic Course, AvSec Air Crew Course was undertaken and accordingly after the approval of DG, BCAS updated TRBs of AvSec Basic Course and AvSec Air Crew Course were issued to all concerned entities and requisite amendment in NCASTP was carried out.

On the request of MEA, the seats for AvSec advance courses being conducted in ASTC, IAA Campus, New Delhi were allotted to the Maldives aviation security personnel. Accordingly, as per the allotment, the Maldives security personnel attended the AvSec Instructor Course, AvSec Auditor Course, Crisis Management Course and AvSec Supervisor Course. Total- 13(thirteen) Maldives Aviation Security personnel attended the course in ASTC, IAA Campus New Delhi.

After continuous persuasion, ICAO HQ Montreal has allotted one ICAO AvSec National Instructor Course to be conducted at ASTC-IAA campus New Delhi w.e.f. 07th to 11th August-2023.

In co-ordination with DFT-UK, BCAS will be conducting ETD and passenger and cabin baggage screening courses in India during the year 2023.

E-Training (online) module on Security awareness programme for non-security staff has been launched by DG, BCAS on 25.11.2022.

More stakeholders were added in the allocation of responsibilities for training by amending NCASTP-2018.

Details of Training Program organized by BCAS for Security personnel in Aviation Sector during the year 2022 is mentioned

S. No.	Name of AvSec Course	Duration of Course (in day(s))	No of batches	No of Candidates appeared	No of Candidates passed
1	One day Awareness Training for non-security staff	01	2646	103102	103102
2	Aviation Security Induction Course	05	251	6019	5226
3	Aviation Security Basic Course	13	363	9094	5568
4	Aviation Security Basic Refresher Course	03	392	11085	10875
5	Testing and Certification of Screeners (Stand Alone)	02	353	11553	7905

S. No.	Name of AvSec Course	Duration of Course (in day(s))	No of batches	No of Candidates appeared	No of Candidates passed
6	Testing and Certification of Inline Hold Baggage Screeners	02	29	931	807
7	Aviation Security Cabin-Crew Course	06	461	10732	10434
8	Aviation Security Cabin Crew Refresher Course	02	2	21	11
9	Aviation Security Instructor Course	07	11	152	74
10	Aviation Security Instructor Refresher Course	02	7	76	72
11	Aviation Security Auditor Course	07	6	109	48
12	Aviation Security Auditor Refresher Course	02	4	53	45
13	AvSec Crisis management Course	05	2	22	19
14	AvSec Supervisor Course	07	2	34	13
Total			4529	152983	144199

Participants in AvSec Courses organized in the year 2022

AvSec Awareness Training- 01 day	1,03,102
AvSec Training (Different Courses) 02-12 Days	49,881
Grand Total	1,52,983

4.11 IMPLEMENTATION OF OFFICIAL LANGUAGE

To ensure the effective implementation of Official Language Policy BCAS has decided to conduct the examination of AvSec Screener in bilingual so that use of Hindi language increases in the aviation sector as well as its Regional Offices located in India. To ensure the progressive use of Hindi, inspections were carried out at the Regional Offices and Workshops on Hindi were also organized in Headquarters and regional offices for the Officers and Staff.

4.12 REPRESENTATION OF SC/ST and OBC

The Bureau adheres to the prescribed Government policies on the subject and as mandated by the Government, a Joint Director level officer has been nominated as the Liaison Officer for SC/ST and OBC.

4.13 STAFF GRIEVANCES CELL

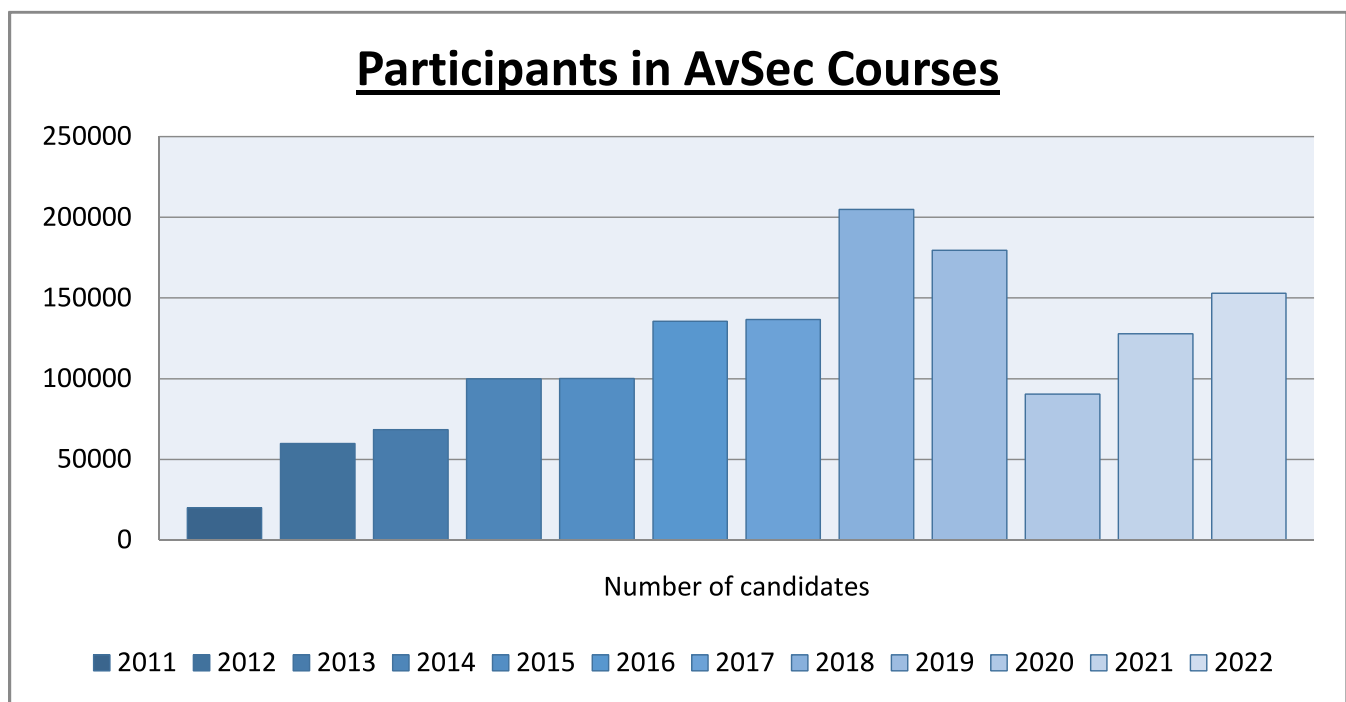
In pursuance of Government instructions, a Staff Grievances Cell operates in this Bureau with the Director (Admn.) as

Staff Grievances Officer, to deal with the grievances of officers/staff working in this Bureau. The grievances of BCAS staff, if any, are promptly attended to.

4.14 PUBLIC GRIEVANCE REDRESSAL

A total **103** grievances were disposed of during 2022 through CPGRAM, a web-enabled online system.

A total of 155 grievances were disposed of during the year 2022 through AirSewa digital platform.



5. COMMISSION OF RAILWAY SAFETY

5.1 BRIEF HISTORY

In erstwhile British era, the construction & operation of railway was entrusted to private companies. 'Consulting Engineers' were appointed under the Govt. of India to exercise effective control over them. When the government undertook the construction of Railways, the Consulting Engineers were designated as 'Government Inspectors'. In 1883, their position was statutorily recognized. The power of safety controlling authority remained with Railway Board & Inspectorate was placed under them.

On 17th July 1937, there was a serious train accident of 18 UP Punjab Mail while approaching Bihta station on the Mughal Sarai-Patna section on the East Indian Railway. In 1939, the Pacific Locomotive Committee, set up in connection with the Bihta disaster, recommended that Railway Inspectorate should be separated from the Railway Board, on the principle that those responsible for the inspection of Railways should be independent of the Authority administering the Railways, as contemplated in Section 181(3) of the Government of India Act, 1935. This recommendation was approved by the Legislative Assembly in 1939, the Council of State in 1940 and accepted by the Government. Accordingly in May 1941, Railway Inspectorate was separated from the Railway Board. Post of 'Chief Government Inspector of Railways' (CGIR), through whom 'Government Inspectors of Railways' (GIR) would report to Government, was created. Inspectorate was placed under the Department of Communication and now it is under Ministry of Civil Aviation (MoCA).

On 01.11.1961, CGIR was re-designated as **Commissioner of Railway Safety (CRS)** and GIR as Additional Commissioners of Railway Safety (**ACRS**). From June, 1979 designation of **CRS** was changed to 'Chief Commissioner of Railway Safety' (**CCRS**) and **ACRS** to 'Commissioner of Railway Safety' (**CRS**).

Commissioners are recruited from amongst officers of Indian Railways (**IR**) but they do not revert to Railways and are absorbed in Commission of Railway Safety under Ministry of Civil Aviation.

5.2 ABOUT THE ORGANISATION

The office of Chief Commissioner of Railway Safety (CCRS) is headquartered at Lucknow being shifted in phased manner to New Delhi and is a part of MoCA. He acts as **Principal Technical Advisor to Central Government** in all matters with whom Commissioners are concerned.

There are 09 Commissioners of Railway Safety (CRS) & 01 Circle Office of Commissioner of Metro Railway Safety (CMRS) located at different places across the country and looking after the works of different Zonal Railways. In addition, CRS of Western Circle and CRS of Southern circle also act as CMRS for metros in their respective jurisdiction. The offices of Commissioners are called Circle Offices. Each Circle Office has 09 to 11 office staff consisting of Sr. Private Secretary (1), Sr. Technical Inspectors(2), Office Superintendent (1), UDC (2), LDC (2) and Multi-Tasking Staff.

In each Circle, there is one post of Deputy Commissioner of Railway Safety (Dy. CRS) and they are from different disciplines of Indian Railways (IR). At present, Dy. CRS post in

- SC, SCC and SEC are from Civil Engineering
- CC is from Electrical Engineering and
- NC, EC, NF, WC and NEC are from Signal & Telecommunication (S&T) Engineering.
- In addition to above, one post of Dy. CMRS is there to assist the CMRS.

There are two wings in the office of CCRS i.e. *Railway Safety Wing* and *Technical Wing*.

In the Railway Safety Wing, there is one Dy. CRS (G) to assist CCRS in day to day official working as well as for maintaining regular interface with the Ministry of Civil Aviation (MoCA) and also Ministry of Railway (MoR). It has the post of Private Secretary (1), Section Officer (1), Assistants Section Officer (5), Personal Assistant (1), SSA (1), JSA (1) and Multi-Tasking Staff.

In the Technical Wing, there are 4 Dy. CRS of various disciplines (Mechanical, S&T, Electrical Engineering and Transportation) to assist CCRS and CRS as and when required on technical matters. This Wing works as think tank and maintains the institutional memory / strength of the Commission of Railway Safety. To assist the Technical Wing, the requisite staff / officers are posted such as one Assistant Director (Official Language), Junior Translation officer (1), Technical Assistant (2) LDC (1), Staff Car Driver (1) and Multi-Tasking Staffs (4).

Dy. CRSs are not statutory authorities. They come from Railways on deputation basis and go back after completion of their deputation period.

5.3 ROLES & RESPONSIBILITIES OF COMMISSIONERS

As detailed in Section 6, Chapter-III of The Railways Act 1989, the role and functions

of Commissioner of Railway Safety (CRS) are defined as under:-

- (a) To inspect new railways with a view to determine whether they are fit to be opened for the public carriage of passengers, and to report thereon to the Central Government as required by or under this Act;
- (b) To make such periodical or other inspections of any railway or of any Rolling Stock used thereon as the Central Government may direct;
- (c) To make accident inquiry under this Act into the cause on a Railway;
- (d) To discharge such other duties as are conferred on him by or under this Act.

5.4 FUNCTIONS OF THE CHIEF COMMISSIONER OF RAILWAY SAFETY

CCRS advise Central Government in all matters relating to Railway Safety, recruitment of officers, postings and promotions, budget and expenditure etc. CCRS deals with:

- a) Reports of inspections of New lines, of existing lines, Gauge conversion works and electrification of railway line done by the Commissioners of rail by the Commissioners of Railway Safety are forwarded to Railway Board through CCRS office for obtaining the sanction of the Central Government.
- b) The first three reports of statutory inquiries (both preliminary and final) into accidents, conducted by newly appointed Commissioners are to be sent to CCRS for scrutiny before forwarding it to Railway Board.
- c) Scrutiny of Railway's proposals, if any, regarding condonation of Infringements to IRS OD received from CRS's office and if found in order then the same is forwarded

- to Railway Board with suitable stipulations.
- d) Scrutiny of Railway's proposals regarding introduction of new rolling stock or increase in the speed of existing rolling stock received from RDSO and if found in order then the same is forwarded to Railway Board with/ without suitable stipulations.
 - e) Similarly any condonation of infringement to IRSOD in case of rolling stock is also sanctioned by Railway Board on recommendation of CCRS.
 - f) Examination of Railway Board's proposals for amendments to General Rules, Railway Rules for Opening, Schedule of Dimensions etc. in consultation with the Commissioners and convey the views of the Commission to Railway Board, whenever so referred; and
 - g) Preparation of the 'Annual Report' on the activities of Commission of Railway Safety.
 - h) Any other work/duty assigned by Central Government with respect to Railway Safety.

5.5 FUNCTIONS OF THE COMMISSIONER OF RAILWAY SAFETY:-

5.5.1 Authorization for opening of new railway lines:

In terms of Railway Act, 1989, under Section 6, Metro Railway Act, 2002 and the Rules for Opening, 2000, Indian Railways / Metro Railways approach the Commission along with the application seeking sanction of respective CRS for opening of new railway lines/metro railway lines, doubling of existing lines, gauge conversion works, electrification of Railway lines etc.

Rules for opening stipulates that while

making a reference to the Commissioner for inspection, the concerned Railway shall furnish all the relevant documents to the Commissioner one month before the date on which a railway line or a section of a railway line is proposed for opening by the railway.

On receipt of the application, the CRS scrutinizes the application and if everything is in order then a date of inspection is fixed and intimated to the Railway. On the schedule date the CRS conducts the inspection with his team of officers accompanied by Zonal Railway Headquarter and Divisional officers led by DRM of the respective Division.

After inspection, if CRS is satisfied with its fitness of new works with respect to safety of the passengers, he issues authorization / sanction for opening of the subject work with/without certain stipulations and also forwards the inspection report of the same to the Central Government through CCRS.

If CRS is not satisfied with its fitness with respect to safety of the passengers; he issues the inspection report of the same to the Railway indicating the various deficiencies in the work to be attended to ensure safety of the passengers. It is the discretion of CRS to re-inspect the section after attending all the deficiencies by the Railway before opening the subject section for public carriage of passengers or else authorizes the Central Government to open the subject section after attending the deficiencies.

5.5.2 Sanctions for execution of minor works:

Structural works affecting the safety of trains on running lines, such as provision of additional bridges, rebuilding or re-girding of existing bridges, re-modelling

of station yards, modification to signalling etc. are carried out by the Railways only after obtaining the sanction of the CRS. Some of the works have been excluded by Ministry of Railway from powers of Commissioners during the year 2022 by promulgating changes in provisions of IR Act.

In terms of above provisions, Zonal Railways submits the applications of different works along with all enclosures like **Joint Safety Certificate, Track Certificate, Bridge Certificate, OHE Certificate, RDSO Speed Certificate, Railway Board's first sanction, Condonation of Board for infringement to the Schedule of Dimensions etc.** After receipt of such applications, CRS examines them as per the provision of various manuals and if found in order, gives the sanction for the same.

5.5.3 Introduction of new rolling stock and increase in the speed of existing rolling stock:

Prior to 1st October 2018, as per the rule, the CRS after examining the proposal sent the report, with his recommendations to the CCRS. CCRS after examining the proposal, if found in order, forwarded the same with or without stipulations, to the Ministry of Railways for sanction of running of new rolling stock or increasing the speed of existing rolling stock. Now, Ministry of Railways, vide **Gazette notification no. 698 dated 01 October 2018**, has amended the Railways Opening for Public Carriage of Passenger Rules, 2000 and revised this procedure. As per present procedure, (Rule 28) RDSO applies to CCRS for both sanctioning speed of new designs of rolling stock and increasing the speed of existing rolling stock.

CCRS after examining the proposal,

if found in order, recommends the same, with or without stipulations, to the Ministry of Railways for sanction of running of new rolling stock or increasing the speed of existing rolling stock.

5.5.4 Railway Board has issued the Schedule of Dimensions (revised 2004), Maximum, and Minimum & Recommended Dimensions to be observed on all 1676 mm Gauge on IR.

These dimensions given in Schedule-1 of Indian Railway Schedule of Dimensions (IRSOD) (revised 2004) have been classified into two heads; for existing works and for new works. These Dimensions are to be observed on all 1676mm gauge on Indian Railway unless prior sanction has been obtained from the Railway Board through CRS/CCRS to execute the new work which would infringe the IRSOD.

Before 01st October 2018, the proposal for any infringement to the Schedule of Dimension used to be submitted to CRS. It was then scrutinized by CRS from safety point of view. After examining, CRS was required to send the proposal for condonation of infringement to CCRS. Again in CCRS office the proposal was examined and then forwarded to Railway board. Based on the recommendation of CCRS, Railway Board used to grant sanction for the condonation of infringement.

However, **Ministry of Railways, vide Gazette Notification No. 698 dated 01 October 2018**, has amended the Railways Opening for Public Carriage of Passenger Rules, 2000 and revised this procedure as per Rule 22A. As per present procedure, proposal for any infringement to the Schedule of Dimension is submitted to CRS which is then scrutinized by CRS from safety point of view. After examining

the proposal, if CRS is satisfied that infringement is safe for train operation, he sanctions the condonation of infringement with or without stipulations. If the proposed infringement is beyond the limits defined in the Schedule-II of IRSOD then procedure prior to this amendment of Opening Rules i.e. 1 October 2018, as mentioned in preceding para, is followed.

5.5.5 Any consignment which does not adhere to IRSOD, 2004 is treated as an over dimensioned consignment (ODC). For movement of ODC on Indian Railway, separate sanction of the competent authority is required. Railway submits the

application for movement of ODC in the concerned Zonal Railway.

5.5.6 Inspection of running lines to keep themselves familiar with Railway working; and

5.5.7 Investigation into Serious Railway Accidents and review of reports of other train accidents, inquired by Railways.

5.6 ACTIVITIES/ ACHIEVEMENTS

A gist of main activities performed during the years 2021-22 and 2022-23 is as under:-

MAIN ACTIVITIES	2021-22 (data from 01.01.2021 to 31.12.2021)	2022-23 (data from 01.01.22 to 31.12.22)
Lines Inspection & authorization (in Km)		
Additional line/ Doubling	939.11	1797.39
New Lines	157.02	176.19
Gauge Conversion	179.26	109.18
Electrification	2168.53	* *
No. Of Application of Minor Works sanctioned	4162	2306* *
No. Of Rolling stock cases Sanctioned/ forwarded	21	31

** The no. of the activities reduced because these activities have been exempted from the application of the provision of Section 21, 22 and 23 of the Indian Railways Act, 1989 vide Gazette S. O. 2368(E) dated 24.05.2022.

5.7 PROGRESS IN USE OF HINDI

The Commission is actively pursuing the task of maximizing the correspondence among the Circle Offices in Hindi. As a result of the sustained efforts of the CCRS office, the Circle Offices situated in the 'A', 'B' & 'C' region has achieved fantastic figures of 100%, 100% & 88.63 respectively in Hindi correspondence during the year 2022-23. **Commission has published its Hindi 'Suruchi' Home Magazine** on 23rd September, 2022. Western Circle was adjudged the best Circle Office and accordingly awarded the outstanding Rajbhasha shield. The second and third price had gone to N.E. Circle and Southern Circle respectively.



5.8 CLEANLINESS & POLLUTION CONTROL

All possible steps are being taken to control pollution in the offices of Commission of Railway Safety. The office premises are kept always neat and tidy. Smoking is strictly prohibited in the office premises. Some plants have been planted to make the environment clean & green. The vehicles used by the Officers and Staff are free from pollution.

5.9 WOMEN WELFARE INCLUDING GENDER BUDGETARY DATA

The offices of the Commission of Railway Safety are generally located in Railway office premises. The complexes and facilities provided there such as toilets, cr che, Tiffin room etc. are availed by the female employees of the Commission also. The instructions on welfare of women employees, issued by Government of India



from time to time are being implemented to the extent possible.

5.10 PUBLIC REDRESSAL GRIEVANCES MACHINERY

CRS has usually no public dealings. However, Right to Information Act, 2005 has been fully implemented. Moreover, CRS is redressing the grievances on (CPGRAMS) portal received directly or

transferred by other Ministries. CRS is also working on e-office platforms for early disposal of the grievances.

5.11 ISSUES RELATING TO DEVELOPMENTAL ACTIVITIES TAKEN UP IN THE NORTH EAST

The CRS does not undertake execution of any work. Its role is of inspectorial, investigatory and advisory nature under the Act.

5.12 REPRESENTATION OF SCHEDULED CASTES, SCHEDULED TRIBES AND OTHER BACKWARD CLASS EMPLOYEES IN THE COMMISSION OF RAILWAY SAFETY AS ON 31.12.2022:

Name of the Organisation	Total No. of employees	Total No. Of SC employees	Percentage (approx.)	Total No. of ST employees	Percentage (approx.)	Total No. Of OBC employees	Percentage (approx.)
Commission of Railway Safety	108	18	16.67 %	4	3.70 %	13	12.04 %

5.13 WELFARE OF SENIOR CITIZENS

CRS is working as per Government of India instructions for welfare of Senior Citizens. Further, CRS has re-employed retired official on contractual basis.

5.14 FACILITIES TO PERSONS WITH DISABILITIES

CRS follows Government of India & Ministry of Civil Aviation’s instructions for facilitating the persons with disabilities.

5.15 VIGILANCE ACTIVITIES

CRS monitors & co-ordinates vigilance activities of the Circles under its administrative control.

6. AIRCRAFT ACCIDENT INVESTIGATION BUREAU

6.1 INTRODUCTION

In accordance with Standards and Recommended Practices (SARPs) issued by the International Civil Aviation Organization (ICAO) and to ensure independence of investigation function from the regulatory function; the Government of India decided to establish a Bureau independent of the DGCA India.

Keeping in mind the Indian scenario, the Aircraft (Investigation of Accidents and Incidents) Rules 2012 were formulated and notified on 5th July 2012 through a Gazette Notification. In accordance with these Rules and for the purposes of carrying out investigation into accidents, serious incidents and incidents; the Government of India set up a Bureau known as the Aircraft Accident Investigation Bureau (AAIB) in the Ministry of Civil Aviation on 30th July 2012.

6.2 ORGANISATION

In accordance with ICAO Annex 13, Rules notified in 2012 were amended in 2017 and AAIB was made an attached office of the Ministry of Civil Aviation. Now investigation work is being carried out as per amended Aircraft (Investigation of Accidents and Incidents) Rules 2017 as AAIB has got immediate and unrestricted access to all relevant evidence without seeking prior consent from judicial bodies or other Government authorities.

The Recruitment Rules are notified on 06 May, 2022. Recruitment for various posts is under process in MoCA.

6.3 FUNCTIONS

AAIB is required to carry out India's obligation towards ICAO as per Annex

13 and shall discharge various functions including:-

- To obtain preliminary report under rule 9 from any person or persons authorised either under sub-rule (1) of rule 9 or under sub-rule (3) of rule 7;
- Classification of occurrence and setting up investigation and in case of formal investigation, assisting the Central Government, under these rules;
- To facilitate the investigation and administrative work of the investigation whenever necessary;
- Processing of the reports of investigation received by the Aircraft Accident Investigation Bureau, which includes :-
 - i. Acceptance of report by DG, AAIB and making it public by DG, AAIB in a manner he deems fit;
 - ii. Forwarding of the final report, made public by the Central Government under sub-rule (2) of rule 14 or by Aircraft Accident Investigation Bureau, to the States as required under Annex 13;
 - iii. Forwarding of the final report, made public by the Central Government or Aircraft Accident Investigation Bureau, to ICAO if the mass of the aircraft involved in accident or incident is more than 5,700 kg.
- To formulate safety recommendation on the basis of safety studies, including induction of new technology to enhance safety, conducted from time to time;
- To establish and maintain an accident and serious incident database for effective analysis of information on

- actual or potential safety deficiencies;
- To process obligations of the Central Government under Annex 13 to the Convention relating to International Civil Aviation signed at Chicago on the 7th day of December, 1944 as amended from time to time;
- To forward the recommendations made in investigation reports and safety studies to DGCA and other regulatory authorities for their follow up and to obtain compliance of the same;
- To inform ICAO of the issuance of a Safety Recommendation of Global Concern (SRGC) and its responses in dated transmittal correspondence, even when the SRGC is not addressed to ICAO; and
- any other functions, which the Central Government may ask the Aircraft Accident Investigation Bureau to perform from time to time under these rules

6.4 ACCIDENT / SERIOUS INCIDENT INVESTIGATIONS

- Investigation of 78 accidents out of total 88 accidents has been completed till 31st December 2022 and 76 Final Investigation reports have been made public.
- Investigation of 106 serious incidents out of total 110 serious incidents has been completed till 31st December, 2022 and 103 final investigations reports have been made public.
- The Final investigation reports are available on AAIB Web-site.

1. Investigations ordered since 01st Jan 2022 till 31st Dec 2022

- Investigation of a total of 12

accidents, 07 serious incidents have been ordered by DG, AAIB under Rule 11 of Aircraft (Investigation of Accidents and Incidents) Rules 2017. Investigation Orders are available on AAIB website (www.aaib.gov.in).

6.5 MISCELLANEOUS

- AAIB is in process of creating its own Flight Data Recorders Lab (FDRL) for data downloading and CVR replay.
- Safety Recommendations made by Committee Investigator-in-Charge of all accepted reports were forwarded to DGCA for its implementation.
- Department of Expenditure, Ministry of Finance had given approval of creation of 14 (9 Technical and 5 non-technical) posts in the month of June 2022. Process to fill vacant posts is under process at MoCA.
- AAIB achieved the goal of getting approval of creation of one post of Junior Hindi Translator.
- Activities are being undertaken under "Azadi ka Amrit Mahotsav".
- "Swachhta Pakhwada" was organized by the office of AAIB.
- "Hindi Pakhwada" was also organized by the office of AAIB.
- Observed Vigilance Awareness Week.
- AAIB is working 100% on e-Office.
- AAIB could achieve the goal of Noting in Hindi up-to 75% during the calendar year 2022.
- Conducting Hindi workshops on regular basis.
- Move to learn one Hindi word daily is steadily going on.

7. INDIRA GANDHI RASHTRIYA URAN AKADEMI

7.1 INTRODUCTION

Indira Gandhi Rashtriya Uran Akademi (IGRUA) is the only National Flying Training institution in the country under the administrative control of the Ministry of Civil Aviation, Government of India. IGRUA was founded on 7th November, 1985 at Fursatganj in the District of Amethi near Raebareli, Uttar Pradesh to bring about a quantum improvement in the standards of flying and ground training of Commercial Pilots in the country.

During the past over three and a half decades of its existence, IGRUA has graduated the finest pilots in the country, thereby contributing immensely for the development of Indian Aviation industry.

7.2 ORGANISATIONAL SET UP

IGRUA is an Autonomous Body established under the Societies Registration Act 1860. IGRU Society is administered by a Governing Council under the Ex-officio Chairmanship of Secretary, Ministry of Civil Aviation.

The Akademi is headed by a Director and is assisted by Departmental/Sectional Heads. IGRUA is administratively controlled by Government of India through Ministry of Civil Aviation.

7.3 OBJECTIVES

The broad objective of IGRUA is to promote and develop the science of aeronautics and civil aviation in national interest and also to extend the same to foreign nationals. In the process, the Akademi conducts airline oriented flying training courses to the level of contemporary international

standards. Various courses and training programs offered are:

- a) Ab-Initio to CPL Course on fixed wing aircraft. Instrument rating and multi engine endorsement is part of this course.
- b) Three years Graduation Program for IGRUA CPL trainees in B.Sc. (Aviation) through Dr. Ram Manohar Lohia Avadh University, Faizabad, Uttar Pradesh.
- c) 5-Day DGCA-certified drone training course to become professional RPAS pilots on both Micro & Small-category drones in collaboration with M/s Drone Destination.
- d) 7 day "Train the Instructor" training course by IGRUA in collaboration with M/s Drone Destination to impart training to trainers of RPTOs approved by DGCA for imparting Drone Training.
- e) English Language Proficiency (ELP) Training & Testing for pilot aspirants
- f) CRM & Multi Crew Conversion Course on DA 42 aircraft.
- g) Conversion training for cadets undergoing training abroad for issue of Indian CPL.
- h) Impart flying training to Navy and Coast Guard.
- i) Refresher Course for Certified Flying Instructors and Pilot Instructors of Flying Training Institutes.
- j) Courses for Assistant Flight Instructor Rating (A) and Flight Instructor Rating (A).
- k) Skill Tests for renewal of License for Ex-students of IGRUA on requirement basis.
- l) Simulator training & checks on Flight Navigation Procedure Trainers

- (FNPTs) of Diamond DA40 and Diamond DA 42 aircraft.
- m) On Job Training on aircraft to students undergoing Diploma in Aeronautical and Aircraft Maintenance Engineering.
- n) Vocational training of Engineering graduates.
- o) AME continuation training.

IGRUA also proposes to commence the following additional courses during the next calendar year:-

- a) Courses for students aspiring to become Aircraft Maintenance Engineers (AME)
- b) Impart ground training to prepare students for clearing DGCA papers for PPL/CPL & ATPL.

7.4 INFRASTRUCTURE

- **OVERVIEW:** The Akademi is equipped with state of art trainer aircraft, modern simulators in the form of FNPTs & CPTs with visual system, up-to-date audio-visual training aids, two libraries equipped with adequate study material, computerized examination cell for internal assessments and other facilities for effective ground training. It employs qualified flying and ground instructors, having long experience in the field of aviation and flying training. The aim at IGRUA is not only to impart flying training to make a pilot but also to mould him/her as an effective systems manager in aeronautics. The flying trainees of the Akademi acquire the standards required for their transit with ease into the cockpits of the airlines.

The Akademi has incredible infrastructure that facilitates transition of a school pass level individual to a confident commercial pilot, fit to be absorbed by the airlines. It has four hostels (including

two separate Girl's hostel) which can house 248 boys and 48 girls on a twin sharing basis. IGRUA campus also has residential accommodation for its staff. The operational area has a 6080 feet runway with a parallel taxi track, five links, dispersal area and three hangars. IGRUA has dedicated air space earmarked for it to enable uninterrupted flying training. The Airfield is equipped with night flying facilities including a PAPI. IGRUA has its own Nav and landing aids in terms of VOR/DME and ILS/DME. It has its own Fire Safety Services, Aviation Fuel Station and Air Traffic Control. This self contained all round set-up facilitates delivery of quality and quantum of pilot aspirants to meet increased demand of Indian Aviation industry.

- **AIRCRAFT FLEET:** The Akademi has a fleet of 17 aircraft at the end of calendar year 2022. The following are the types of aircraft utilized for flying training:
 - o Twelve DA-40 aircraft. DA-40 aircraft is equipped with contemporary glass cockpit and is a single piston engine aircraft with variable pitch propeller, having fixed undercarriage.
 - o One Trinidad TB-20 aircraft. TB-20 aircraft is a piston single engine aircraft with variable pitch propeller, retractable undercarriage and is equipped with modern Nav Aids.
 - o Two Zlin Z242L aircraft. It is a piston single engine aircraft with fixed under carriage and is equipped with modern Navigational Aids.
 - o Two DA 42 aircraft. The final stage of training is carried out in DA 42 aircraft. This is a twin-engine aircraft. The aircraft is equipped with glass cockpit, auto-pilot and retractable undercarriage.

The above aircraft are utilized for imparting flying training to facilitate the trainees to get Line Oriented Flying Training. The students at IGRUA are graduated with multi-engine endorsement and instrument rating on their Commercial Pilot Licence.

IGRUA is in the process of enhancing its fleet strength by inducting more number of trainer aircraft in order to increase flying hours annually and to produce more CPLs in a year.

7.5 TRAINING PHASES

(a) Ground Training

On arrival at the Akademi, the students undergo Ground Training in the following subjects:

- | | | | |
|------|-------------------|---|----------|
| i. | Air Navigation | - | 135 Hrs. |
| ii. | Radio Aids | - | 045 Hrs. |
| iii. | Technical General | - | 115 Hrs. |
| iv. | Air Meteorology | - | 085 Hrs. |
| v. | Air Regulations | - | 085 Hrs. |

The Ground Training is aimed at making an aspiring pilot competent to attempt the ATPL after the mandatory CPL, and comprises 465 classroom lectures and consolidated classes in the hangar and Flight Operations Centre wherein the practical aspects of the theoretical classes are made known to them.

This sets the foundation for the Line Oriented Flying Training (LOFT) that follows, thus preparing them to adapt to the dynamic development in the aviation industry.

Audio Visual Aids

The concept of the white board and query system continues to be used to advantage. In order to augment ground training, the Akademi uses audio visual

imagery using over-head projection system with animation, where feasible, in order to enhance the comprehensive understanding of each subject. IGRUA has also developed full-fledged online ground classes, duly approved by the DGCA.

(b) Pre-Flying Ground Training (PFGT)

PFGT is carried out by experienced Flying Instructors and Aircraft Maintenance Engineers. Group briefing on important exercises is carried out over and above thorough personal briefing and debriefing prior to and after each flight on the simulator and aircraft.

(c) Simulator Training

Single engine training is carried out on two Diamond DA40 flight simulators having 180 degree field of view. The Akademi also has two single engine TB-20 flight simulators with visual system for initial flying training and instrument rating exercises.

For multi-engine training a Diamond DA42 flight simulator with visual system having 180 degree field of view is available.

(d) Simulator/Flying Training Syllabus

For Single Engine aircraft :

- i) 20.00 hrs. Simulator training on FNTF.
- ii) 185.00 hrs flying on TB-20/DA-40/Zlin aircraft

For Multi-Engine aircraft :

The trainees are graduated with CPL, Instrument Rating along Multi engine rating endorsement on Diamond DA-42 type of aircraft. They fly 15:00 hrs on it. In addition they fly 15:00 hours on DA-42 Simulator.

7.6 CREW RESOURCE MANAGEMENT (CRM) AND MULTI CREW CONVERSION (MCC) COURSE

In addition to imparting Ground, Simulator & Flying training, trainees are put through a capsule course on CRM. They also go through a two week MCC after completion of their CPL syllabus. This additional training prepares them better for absorption in the airlines.

7.7 MAIN ACHIEVEMENTS

a) **Expansion Activities :** In order to spread its wings, IGRUA ventured into various new training programs to actively progress its march towards self-sufficiency, such as:-

- (i) Conducted English Language Proficiency training for 86 and testing for 91 candidates of IGRUA as well as from outside.
- (ii) Conducted Remotely Piloted Aircraft System (RPAS) course, commonly termed as "Drone Pilot Training" and "Train the Instructor" course for drone trainers. More than 600 candidates have been trained under these training programs.
- (iii) Apart from the drone training centers established in Manesar, Gurugram and Bengaluru in the year 2021, four more training centers have been established in Madurai, Coimbatore (Tamil Nadu), Gwalior (Madhya Pradesh) and Kangra (Himachal Pradesh). More sites are in the anvil in other States.
- (iv) To ensure continuation of training activities throughout the year for increasing production of IGRUA, the satellite base at Gondia, Maharashtra has been permanently made the second

flying base by obtaining required DGCA approvals. All facilities for carrying out inspection and maintenance have been established in the additional base.

- (v) Successfully conducted CFI Refresher course for FTOs and AME Refresher Course for AMOs.
- (vi) IGRUA has been conferred second prize for its Hindi annual magazine 'Kshitij'.
- (vii) Despite of its remote location and various constraints in the procurement process, IGRUA has successfully achieved more than 70% procurement through the Government e-Marketing (GeM) portal.

b) **Important Events :**

- i) Azadi ka Amrit Mahotsav : IGRUA continued with the resolution of seven days flying in a week in the year 2022 also, which was announced by the Secretary, Civil Aviation in March, 2021 while inaugurating the Azadi Ka Amrit Mahotsav Celebration in IGRUA.
- ii) Swachh Bharat Abhiyaan : Cleanliness drive carried out throughout the year and during Swachh Bharat Pakhwada from 16 – 31 October, 2022 in particular, giving special emphasis on plantation of trees in association with State Bank of India, Fursatganj Branch.
- iii) **Foundation Day:** IGRUA celebrated its "Foundation day" on 07 Nov 22, which streamed live by thousands. A number of alumnae of IGRUA were present during the occasion. Special emphasis was given during the function to use of Hindi in our day to day work to promote the official language in the Akademi.

7.8 TASK ACCOMPLISHMENTS:

- a) **Higher flying output:** As a preparedness for a likely boom after the slump in aviation industry due to pandemic and to promote the *Atmanirbhar Bharat* initiative by the Central Government, IGRUA has made all plausible efforts to increase the quantum of flying vis- -vis number of graduates to cater the requirements of aviation industry. During the period i.e. from 01.01.2022 to 31.12.2022, IGRUA has been able to carry out 18620 hours of flying despite a reduced fleet strength of 17 as against 18 the previous year. A total number of 67 cadets have passed out during the concurrent period as against 66 during the previous year.
- b) **Improved Flight Safety:** There has been a steady increase in the quantum of flying for the past several years which is more significant when it is done without jeopardizing the flight safety. The accident/incident rate has been as negligible as 0.01% for the past five years.
- c) **Fresh Enrolment for CPL Training:** The perception about the job of a pilot is undergoing an evolutionary change, especially among girls and in rural India. Earlier, only a trifling minority from urban India had the aspiration to become pilot, however, the trend is gradually spreading to rural India too and girls in particular. Considering the need of the hour IGRUA has increased its intake to 125. In the year 2022, 769 applications were received from the entire country for the entrance examination. A total number of 102 cadets have been inducted after the selection process out of which 38 are girls.
- d) **Effective Manpower Management:** Manpower at IGRUA has reduced from 296 to 274 over the last 10 years, i.e. a reduction of 0.75% per annum, whereas during the corresponding period there has been significant increase in overall activities in the organization and flying hours has almost doubled. No recruitment was made to replace retired/deceased employees as an austerity measure to reduce the revenue expenditure. However, manpower management has been made effective either by deploying personnel on contract/consultant or by giving additional responsibilities to the existing personnel or through automation and outsourcing.
- e) **Lower Burden on Subsidy:** In order to reduce the burden on subsidy, IGRUA has been setting new targets of flying every year resulting in increased intake of cadets for CPL Training thereby generating more revenue. Apart from this, it has expanded its portfolio by training of cadets from Indian Navy & Coast Guards, imparting Drone Training at six centers across the country, conducting Refresher Course and ELP training & testing, with a view to augment its revenue. Simultaneously, the Akademi has been making all efforts to reduce its expenditure by curbing the non-essential expenses, effective and optimum utilization of its resources in various sections like Mess & Hostel, Motor Transport, General Stores, Electrical, Civil Maintenance etc., reducing the essential statutory expenses by better negotiations.

7.9 SWACHH BHARAT & ENVIRONMENT PROTECTION

a) **Municipal Solid Waste (MSW) Management:**

IGRUA has a well spelt out MSW Management system in place. Around 500 kgs of bio-degradable kitchen wastes are accumulated every day from residences, mess kitchen and canteens, apart from dry wastes, polythene, plastic bottles, broken glasses, packing material, debris of renovation/construction, dead leaves, hospital wastes, etc. These wastes are segregated at source by keeping two waste bins; one for bio-degradable (wet) wastes and the other for dry wastes, such as, polythene, plastic bottles, packing materials, paper, etc. While bio-degradable wastes are converted into manure through Vermiculture, the dry wastes are disposed of in scientific manner. Use of single-use plastic has been banned in the premises.

b) **Waste Water Disposal:**

IGRUA has proper underground drainage system and modern Sewage Treatment Plant to ensure that the water sources are not polluted in any manner.

c) **Solar Water Heaters:**

Roof Top Solar panels have been installed in the students' hostel to cater for the hot water requirements of students, as a measure of conserving the fossil fuel.

7.10 POLLUTION CONTROL

IGRUA does not carry out any manufacturing/production resulting to emission of smoke, residue, industrial wastes, etc. causing air, water, soil, light or sound pollution. However, all possible initiatives have been taken to

control pollution by maintaining the vehicle engines to emit smoke within the prescribed limits, disposal of solid waste by incineration, Landfills, Composting, etc. Forestation is actively pursued to maintain a green environment in the Akademi.

7.11 CITIZEN CHARTER

Citizen Charter of IGRUA has been prepared and uploaded on our web site. A Citizen can visit the website of IGRUA at www.igrua.gov.in. Citizens can make request to our Chief Public Information Officer (CPIO) Mr. Gopa Kumar S and First Appellate Authority (Director IGRUA) for any information under RTI Act, 2005.

7.12 WOMEN'S WELFARE

IGRUA has sixteen women employees (1 Regular + 15 Contractual) and their welfare is being looked after through normal administrative channels. An Internal Complaints Committee (ICC) comprising three members is in place to deal with complaints regarding sexual harassment at work place.

7.13 STEPS TAKEN TO IMPROVE PUBLIC GRIEVANCE REDRESSAL MACHINERY

The nature of operation of the Akademi is such that it hardly involves any public dealing. However, Manager HR is assigned the task of dealing with public grievance. Any such grievances are redressed/disposed of within the framework of rules.

7.14 VIGILANCE

The Chief Vigilance Officer, Airports Authority of India has been given the additional charge of Vigilance in IGRUA. Efforts have been taken to heighten the awareness level amongst the employees to not indulge in any sort of corruption in duty and in public life.

7.15 IMPLEMENTATION OF OFFICIAL LANGUAGE

The Akademi continues to take necessary steps for ensuring the implementation of all provisions of the Official Language Act & Rules. Employees are being trained in Hindi, Devnagri Typing etc. Incentives are given to employees for promoting and effectively using Hindi in official work. Provision is made in office computers to have a system of using Hindi in all official communication with convenience. A Hindi magazine "*Kshitij*" is also published every year by IGRUA.

7.16 SPORTS FACILITIES

IGRUA has indoor and outdoor sports facilities for games like squash, badminton, basketball, volleyball, football, table tennis, pool table and a well-equipped gym with multi-gym equipment. Apart from this the campus has a swimming pool facilitating the trainees and employees to stay fit. Annual sports meet is conducted for the cadets every year.

7.20 REPRESENTATION OF SCs/STs/OBCs

There has been no recruitment of regular staff since 1996. The details of representation of SC/ST/OBC as on 31/12/2022 is given in the chart below:

Name of Organisation	Total No. of Emp.	Total No. of SC Emp.	%	Total No. of ST Emp.	%	Total No. of OBC Emp.	%
I.G.R.U.A.	91	21	23.07	0	0	37	40.65

7.21 WELFARE OF SENIOR CITIZEN

In accordance with the guidelines issued by Ministry of Social Justice & Empowerment, as envisaged in the National Policy for Older Persons, instructions have been issued to all concerned to ensure prompt, fair and humane treatment for older persons.

7.17 CULTURAL ACTIVITIES

IGRUA has been actively utilizing its Air-conditioned Auditorium for various cultural programmes and functions to encourage the flying cadets to excel in extra-curricular activities. IGRUA holds "**Full Throttle**" cultural event every year along with Foundation Day celebrations.

7.18 IMPLEMENTATION OF PERSONS WITH DISABILITY ACT, 1995

The guidelines issued by Ministry of Social Justice & Empowerment on Persons with Disabilities has been implemented and due consideration is being given to disabled persons, wherever possible.

7.19 ISSUE RELATED TO DEVELOPMENT ACTIVITIES TAKEN IN NORTH EAST

IGRUA is an Autonomous Body having its Headquarter at Fursatganj, Amethi (Distt.), Uttar Pradesh, only and hence there is no such issue.

7.22 FEE STRUCTURE

Training Fee for Ab-initio to CPL Course with Multi Engine endorsement is Rs.45.00 lacs and Boarding & Lodging charges (approximately Rs.12, 000/- P.M.).

7.23 FUTURE PLANS

- Increase of student intake to 150 per year upon enhancement of fleet strength.
- In order to enhance existing fleet, IGRUA has signed a non-binding MoU of three years validity with NAL for supply of five Hansa NG aircraft. The type certification of the aircraft is yet to be completed subsequent to which it will go for production. IGRUA is monitoring the progress and the final cost of the aircraft to be offered by NAL. Based on the said conditions a decision will be taken on whether to go for this aircraft or purchase any other proven trainer aircraft available in the world in the near future.
- Commencement of AME School.
- Establishment of more drone training centers across the country.
- Fursatganj Airport owned by IGRUA has been identified for RCS-UDAN Operations by the Government in April 2022. An amount of Rs. 30 Cr has been provided for development of Fursatganj Airport which includes Construction of Terminal Building, Apron, Taxiway and Associated Works. The matter has been examined

in MoCA regarding execution of the project and it has been decided that:

- a) AAI shall plan and execute the development works at the earliest in collaboration with IGRUA.
- b) An MoU is to be signed between IGRUA and AAI for handing over the required land as per master plan to AAI to enable the construction of the RCS-UDAN airport infrastructure; and for providing other related assistance as may be required by AAI.
- c) AAI shall coordinate with IGRUA to ensure minimal disruption in IGRUA's operations.
- d) IGRUA shall provide necessary support and facilitation to AAI and its vendors in project execution.
- e) AAI shall be paid directly by MoCA as per the sanction order.

Initial work like identification, measurement of land etc are in progress and constructions of Terminal Building, Apron, Taxiway and Associated Works will be started soon. RCS operations at Fursatganj Airport are likely to commence by the end of 2023.

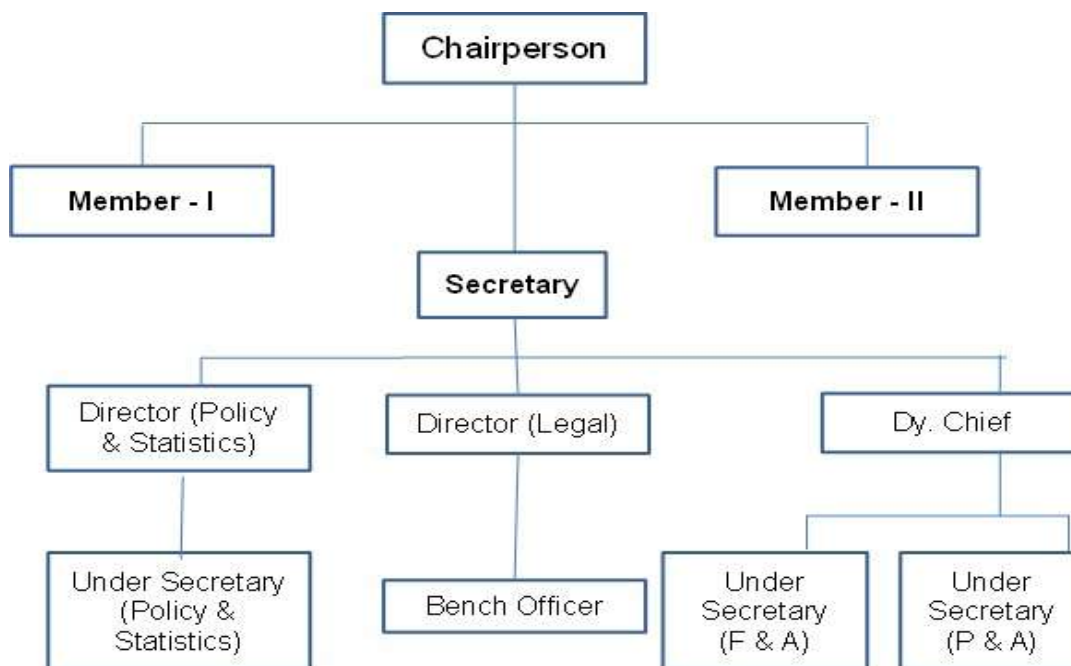
8. AIRPORTS ECONOMIC REGULATORY AUTHORITY

8.1 INTRODUCTION

Consequent to the recommendations of The Naresh Chandra Committee report, Govt. of India established Airports Economic Regulatory Authority (AERA). It is a statutory body constituted under the Airports Economic Regulatory Authority of India Act, 2008. The AERA was established by the Government vide its notification No GSR 317 (E) dated 12.05.2009 with its Head Office at New Delhi.

8.2 ORGANISATIONAL STRUCTURE

Organisation structure of the Authority is given below:-



AERA's staff comprises of people with experience in the aviation sector, finance sector etc. on deputation from various Central, State Services & departments/ organizations.

8.3 SCOPE OF THE REGULATION

The main functions of the Authority, as per Sec. 13(1) of the AERA Act, 2008, are as under:

- To determine the tariff for the aeronautical services.
- To determine the amount of Development Fees in respect of major airports.
- To determine the amount of PSF

levied under rule 88 of the Aircraft Rules, 1937 made under the Aircraft Act, 1934 (22 of 1934).

- To monitor the set performance standards relating to quality, continuity and reliability of service as may be specified by Central Government or any Authority authorized by it in this behalf.

Presently, 27 airports have been declared Major Airports as per the AERA Amendment Act 2019, and, as notified by Ministry of Civil Aviation under the said provision, the following airports are considered as "Major Airports" as on 31.12.2022:

- Indira Gandhi International Airport, Delhi
- Chhatrapati Shivaji Maharaj International Airport, Mumbai
- Kempegowda International Airport, Bengaluru
- Rajiv Gandhi international Airport, Hyderabad
- Cochin International Airport, Kochi
- Chandigarh International Airport, Chandigarh
- Chennai International Airport, Chennai
- Netaji Subhas Chandra Bose International Airport, Kolkata
- Sardar Vallabhbhai Patel International Airport, Ahmedabad
- Trivandrum International Airport, Thiruvananthapuram

- Chaudhary Charan Singh International Airport, Lucknow
- Jaipur International Airport, Jaipur
- Lokpriya Gopinath Bordoloi International Airport, Guwahati
- Calicut International Airport, Kozhikode
- Goa International Airport, Goa
- Pune International Airport, Pune
- Jay Prakash Narayan International Airport, Patna
- Guru Ram Dass Jee International Airport, Amritsar
- Lal Bahadur Shastri International Airport, Varanasi
- Biju Patnaik International Airport, Bhubaneswar
- Swami Vivekananda Airport, Raipur
- Tiruchirappalli International Airport, Tiruchirappalli
- Mangalore International Airport, Mangaluru
- Kannur International Airport Limited, Kannur
- Sheikh Ul Alam International Airport, Srinagar
- Shirdi International Airport, Shirdi
- Goa International Airport, MoPA, Goa

The mandate of AERA has been enhanced by amending the definition of a major airport from the previous 'one airport' to group of airports as per the AERA Amendment Act 2021.

During 1st January, 2022 to 28th December, 2022, AERA has issued the following Orders based on its approach towards regulation of Airports and Aeronautical Services:

Sl. No.	Order Number	Subject	Date of Issue
Airport Tariff Orders			
1.	Order no. 38/2021-22	Determination of Aeronautical Tariffs for Chennai International Airport, Chennai (MAA) for the Third Control Period (01.04.2021 – 31.03.2026)	04.02.2022

Sl. No.	Order Number	Subject	Date of Issue
2.	Order no. 39/2021-22	Determination of Aeronautical Tariff for Calicut International Airport (CJJ) for the Third Control Period (01.04.2021-31.03.2026)	11.02.2022
3.	Order no. 43/2021-22	Determination of Aeronautical Tariff for Netaji Subhas Chandra Bose International Airport Kolkata (CCU) for the Third Control Period (01.04.2021 - 31.03.2026).	15.03.2022
4.	Order no. 45/2021-22	Determination of Aeronautical Tariff for Pune International Airport (PNQ) for the Third Control Period (01st April 2021 to 31st March 2026).	17.03.2022
5.	Order no. 04/2022-23	Determination of Aeronautical Tariff for Goa International Airport, Goa (GOI) for the Third Control Period (01.04.2021 – 31.03.2026)	03.06.2022
Independent Service Providers			
(i) Fuel Farm & ITP Service			
1.	Order no. 44/2021-22	Determination of Fuel Infrastructure Fee for BPCL KIAL Fuel Farm Private Limited (BKFFPL) at Kannur International Airport for the First Control Period (01.04.2018 - 31.03.2023).	15.03.2022
2.	Order no. 03/2022-23	Determination of Aeronautical Tariff for M/s Indian Oil Skytanking Delhi Private Limited (IOSDPL) providing Into Plane Services (ITP) at Indira Gandhi International Airport (IGIA), Delhi for the Third Control Period (FY 2021-22 to FY 2025-26)	25.05.2022
3.	Order no. 05/2022-23	Determination of tariff for Into Plane Services in respect of M/S Bharat Stars Services (Delhi) Private Limited (BSSDPL) at Indira Gandhi International Airport (IGIA), Delhi for the Third Control Period (01.04.2021 to 31.03.2026)	03.06.2022
(ii) Ground Handling Service			
1.	Order no. 35/2021-22	Determination of Tariff for Ground Handling Services for M/s GlobeGround India Private Limited at Kempegowda International Airport, Bengaluru for the Third Control Period (FY 2021-22 To FY 2025-26).	20.01.2022
2.	Order no. 36/2021-22	Determination of Tariff for Ground Handling Services for M/S GSEC Bird Airport Services Pvt. Ltd. At Sardar Vallabhbhai Patel International Airport, Ahmedabad for the Third Control Period (FY 2021-22 To FY 2025-26).	28.01.2022

Sl. No.	Order Number	Subject	Date of Issue
3.	Order no. 41/2021-22	Determination of Tariff for Ground Handling Services for M/s Bird Airport Services (Konkan) Private Limited at Goa International Airport, Goa for the Third Control Period (FY 2021-22 to FY 2025-26).	21.02.2022
4.	Order no. 48/2021-22	Determination of tariff For Ground Handling services for M/s GSEC Bird Airport Services Private Limited at Mangaluru International Airport, Mangaluru for the First Control Period (FY 2021-22 to FY 2025-26).	17.03.2022
5.	Order no. 50/2021-22	Determination of Tariff for Ground Handling services for M/s Bird Airport Services (Mohali) Private Limited at Chandigarh International Airport, Mohali for the Second Control Period (FY 2021-22 to FY 2025-26).	28.03.2022
6.	Order no. 07/2022-23	Determination of Tariff for Ground Handling Services for Air India SATS Airport Services Private Limited (AISATS) at Mangaluru International Airport, Mangaluru for The First Control Period (FY 2021-22 To FY 2025-26)	15.06.2022
7.	Order no. 15/2022-23	Determination of Tariff for Ground Handling Services provided by Air India SATS Airport Services Private Limited (AISATS) at Rajiv Gandhi International Airport, Hyderabad for the Third Control Period (FY 2021-22 to FY 2025-26)	27.07.2022
8.	Order no. 23/2022-23	Determination of Tariff for Ground Handling Services provided by M/s Air India SATS Airport Services Private Limited (AISATS) at Kempegowda International Airport, Bengaluru for the Third Control Period (FY 2021-22 to FY 2025-26).	23.09.2022
9.	Order no. 26/2022-23	Determination of Tariff for Ground Handling Services provided by M/s Bird Airport Services (Trichy) Private Limited (BASTPL) At Trichy International Airport (TIA), Tiruchirappalli for the First Control Period (FY 2021-22 To FY 2025-26).	18.10.2022
10.	Order no. 27/2022-23	Determination of Tariff for Ground Handling Services for GSEC Bird Airport Services Private Limited (GBASPL) at Thiruvananthapuram for the Thrid Control Period (FY 2021-22 To FY 2025-26)	31.10.2022

Sl. No.	Order Number	Subject	Date of Issue
11.	Order no. 31/2022-23	Determination of Tariff for Ground Handling Services for Air India SATS Airport Services Private Limited (AISATS) at Thiruvananthapuram International Airport, Thiruvananthapuram for the Third Control Period (FY 2021-22 to FY 2025-26)	02.12.2022
(iii) Cargo Service			
1.	Order no. 06/2022-23	Determination of tariff for Cargo Handling charges for Express Industry Council of India (EICI) at IGI Airport, Delhi for the Third Control Period (01.04.2021 to 31.03.2026)	09.06.2022
2.	Order no. 20/2022-23	Determination of Cargo Handling Charges for M/s Mumbai Cargo Service Center Airport Private Limited (MCSCAPL) at Chhatrapati Shivaji Maharaj International Airport (CSMIA), Mumbai for the Third Control Period (FY 2021-22 to FY 2025-26)	30.08.2022
Interim Arrangement for extension			
1.	Order no. 34/2021-22	Determination of ad hoc Tariff for Ground Handling Services to be provided by M/s Indo Thai Airport Management Services Pvt. Ltd., at Jaipur International Airport, for the period from 16.01.2022 to 31.03.2022.	14.01.2022
2.	Order no. 37/2021-22	Determination of ad hoc Tariff for Ground Handling Services to be provided by M/s Indo Thai Airport Management Services Pvt. Ltd., at Lokpriya Gopinath Bordoloi International Airport, Guwahati for the period from 01.02.2022 to 31.03.2022.	01.02.2022
3.	Order no. 40/2021-22	Determination of Ad Hoc Tariff for Ground Handling Services to be provided by M/s Global Flight Handling Services (Patna) Pvt. Ltd. At Jai Prakash Narayan International Airport, Patna for the Period From 15.02.2022 To 31.03.2022.	11.02.2022
4.	Order no. 42/2021-22	In the matter of Order no. 17/2021-22 dated 15.09.2021 and Order no. 22/2021-22 dated 06.10.2021 regarding -Interim arrangement to levy the existing tariffs to continue beyond 31.03.2022.	14.03.2022

Sl. No.	Order Number	Subject	Date of Issue
5.	Order no. 46/2021-22	In the matter of Order no. 18/2021-22 dated 15.09.2021 regarding Services provided by Independent Service Providers/ Airport Operators for Cargo Handling, Ground Handling and Supply of Fuel to the aircraft - Interim arrangement to levy the existing Tariffs beyond 31.03.2022.	17.03.2022
6.	Order no. 47/2021-22	Determination of Ad-hoc Tariff for Cargo Handling Services to be provided at Thiruvananthapuram International Airport, Thiruvananthapuram by TRV (Kerala) International Airport Ltd (TIAL) for the period from 01.04.2022 to 30.09.2022.	17.03.2022
7.	Order no. 49/2021-22	Levy of Development Fee (DF) for Project Work and Metro Work at Chhatrapati Shivaji Maharaj International Airport, Mumbai - Extension of period of levy of DF - reg.	28.03.2022
8.	Order no. 01/2022-23	Determination of Ad-hoc Tariff for Cargo Terminal Operations (CTO) Services, provided by AAI Cargo Logistics and Allied Services Company Limited at Netaji Subhash Chandra Bose (NSCB) International Airport, Kolkata, for the period from 20.04.2022 to 31.03.2024	20.04.2022
9.	Order no. 02/2022-23	Determination of ad-hoc Tariff for Ground Handling Services to be provided by M/s Indo Thai Calicut Private Limited, at Calicut International Airport, Kozhikode for the period from 01.06.2022 to 30.09.2022.	10.05.2022
10.	Order no. 08/2022-23	Determination of Ad-hoc Tariff for Integrated Fuel Storage and Into Plane (ITP) Services to be provided at Chaudhary Charan Singh International Airport (CCSIA), Lucknow by Lucknow International Airport Ltd for the period from 01.07.2022 to 31.03.2023.	16.06.2022
11.	Order no. 09/2022-23	Levy of Development Fee (DF) for Project Works and Metro Development Fee (MDF) for Metro Project Work at Chhatrapati Shivaji Maharaj International Airport, Mumbai - Extension of period of levy of DF & MDF-reg.	30.06.2022
12.	Order no. 10/2022-23	Determination of Ad-hoc Tariff for Ground Handling Services to be provided by M/s IndoThai Bhubaneshwar Private Limited at Biju Patnaik International Airport, Bhubaneshwar for the period from 01.07.2022 to 31.03.2023.	30.06.2022

Sl. No.	Order Number	Subject	Date of Issue
13.	Order no. 11/2022-23	Determination of Ad-hoc Tariff for Domestic Cargo Handling Services provided by M/s AAI Cargo Logistics and Allied Services Company Limited at Mangaluru International Airport, Mangaluru.	30.06.2022
14.	Order no. 12/2022-23	Determination of Ad-hoc Tariff for Ground Handling Services to be provided by M/s IndoThai Varanasi Private Limited at Lal Bahadur Shastri International Airport, Varanasi for the period from 11.07.2022 to 31.03.2023.	05.07.2022
15.	Order no. 13/2022-23	Determination of Ad-hoc Tariff for Domestic and International Cargo Handling Services provided by M/s AAICLAS, at Srinagar International Airport, Srinagar.	05.07.2022
16.	Order no. 14/2022-23	Determination of Ad-hoc Tariff for International Cargo Handling Services provided by M/s AAICLAS, at Tiruchirappalli International Airport, Trichy.	07.07.2022
17.	Order no. 16/2022-23	Determination of Ad-hoc Tariff for Integrated Fuel Storage and Into Plane (ITP) Services to be provided by Ahmedabad International Airport Limited (AIAL) at Sardar Vallabhbhai Patel International Airport (SVPIA), Ahmedabad for the period from 16.08.2022 to 31.03.2023	01.08.2022
18.	Order no. 17/2022-23	Determination of Ad-hoc Tariff for Ground Handling Services to be provided by M/S Indo Thai Amritsar Private Limited at Sri Guru Ram Das Jee International Airport, Amritsar for the period from 22.08.2022 to 31.03.2023.	18.08.2022
19.	Order no. 18/2022-23	Determination of Ad-hoc Tariff for Ground Handling Services to be provided by M/S Indo Thai Pune Private Limited at Pune International Airport, Pune for the period from 22.08.2022 to 31.03.2023.	18.08.2022
20.	Order no. 19/2022-23	Ad hoc tariff for aeronautical services to be provided at Goa International Airport Limited (GIAL), MOPA w.e.f the Commercial Date of Operation ("CoD") upto 31.03.2023	26.08.2022
21.	Order no. 21/2022-23	Determination of Ad-hoc Tariff for Ground Handling Services to be provided by M/s Global Flight Handling Services (Raipur) Private Limited, at Swami Vivekananda International Airport, Raipur, for the period from 01.09.2022 to 31.03.2023.	31.08.2022

Sl. No.	Order Number	Subject	Date of Issue
22.	Order no. 22/2022-23	Interim arrangement to levy the existing tariffs to continue till 31.03.2023.	20.09.2022
23.	Order no. 24/2022-23	In the matter of Order no. 46/2021-22 dated 17.03.2022 regarding Services provided by Independent Service Providers Airport Operators for Cargo Handling and Ground Handling - Interim arrangement to continue the existing tariff (as on 30.09.2022) till 31.03.2023.	23.09.2022
24.	Order no. 25/2022-23	Determination of Ad-hoc Tariff for Ground Handling Services to be provided by M/s Celebi Airport Services (India) Pvt. Ltd. (CASIPL) at GOA International Airport (GIA), Mopa, Goa, w.e.f. Commercial Operations Date (COD) till 31.03.2023.	07.10.2022
25.	Order no. 28/2022-23	Determination of Ad-hoc Tariff for Domestic and International Cargo Handling Services to be provided by GMR Airports Limited, at Goa International Airport, Mopa w.e.f. Commercial Operations Date (COD) till 30.09.2023.	14.11.2022
26.	Order no. 29/2022-23	Determination of Ad-hoc Tariff for Fuel Farm and Into Plane Services to be provided by Bharat Petroleum Corporation Limited (BPCL) at Goa International Airport, MOPA, Goa, w.e.f, from Commercial Operations Date (COD) up to 30.09.2023.	30.11.2022
27.	Order no. 30/2022-23	Determination of Ad-hoc Tariff for Ground Handling Services to be provided by Mis Aurea Sivasurchetvaka Aircab GH Services Srinagar Private Limited at Srinagar International Airport for the period from Commercial Operations Date (COD) up to 30.09.2023.	01.12.2022

8.4 OFFICIAL LANGUAGE POLICY

All out efforts were made for implementation of the Official Language Policy of the Government in AERA. In order to create a conducive environment for doing official work in Hindi, various competitions, lectures and talks on the occasion of National Festivals as well as Birth Anniversary of prominent personalities were held and documentary films were also displayed in the office. During these events, various prizes were also distributed amongst the winners.

Apart from this, Hindi Pakhwada was organised from 14-29 September, 2022 and various Hindi competitions were organized, in which 80 Officials participated with great enthusiasm. Winners were awarded with cash prize and Merit Certificates.

Besides this, two (02) Officials from the Authority participated in All India Level Hindi Conference, which was organised from 14-15 September, 2022 by the Department of Official Language in Surat (Gujrat). Similarly, two (02) personnel also participated in Joint Regional Conference on Official Language and Prize Distribution Ceremony, organised by the Department of Official Language in Amritsar (Punjab).

Four (04) Hindi Workshops for Officers/Employees were organized from 01.01.2022 to 31.12.2022 in which a total 117 Officers/Employees participated.

Meetings of the Official Language Implementation Committee chaired by the Chairperson, AERA were held regularly in each quarter during the year. Hindi Incentive Scheme of Government of India has been implemented in the Authority with a view to motivate the Officers/Employees to do their work maximum in Hindi. Cash Prize amounting to Rs. 28,000/- and citation certificates were awarded to eight (08) officials who were declared winners in this scheme during the year 2022-23.

The Ministry of Civil Aviation has done inspection of AERA on 29th March, 2022 regarding the work of Official Language Policy.

8.5 FINANCIAL PERFORMANCE

In terms of Section 34 of the AERA Act, funds are received as Grants-in-Aid from the Central Government. In BE 2022-23, Rs. 20.00 Crores was allocated (5.00 Crores under Salary head, Rs. 7.00 Crore under General Head and Rs. 8.00 Crores under Capital Head).

The details of funds released and spent upto 28.12.2022 are as under: -

(Rs. in lacs)

Head	Un-utilized amount of 2021-22	BE 2022-23	Income received from other sources	fund released upto 28/12/2022 by MoCA	Total Fund	Amount Spent by Authority upto 28/12/2022	Balance as on 31/12/2021
	(A)	(B)	(C)	(D)	(E)=(A+C+D)	(F)	(G)
Salary	214.36	500.00	*	400.00	614.36	451.75	162.61
Non-Salary	213.90	1500.00	*	200.00	413.90	325.66	88.24

* Interest earned on bank balance = Rs. 7, 18,447/-

8.6 WOMEN WELFARE INCLUDING GENDER BUDGETARY DATA

AERA has 12 women employees comprising of officers/staff on deputation from various Central/State Government Organizations, loan basis from AAI and support staff working on outsourced basis. Adequate women welfare measures like provision of transport/ vehicle for pick up/ drop at home in case of medical emergency or early arrival/ late departure from office due to official exigencies of work; organization of talk/ on specific women health issues by Gynecologist; dedicated female housekeeping staff for female washrooms etc. have been made available in the office premises.

8.7 STEPS TAKEN TO IMPROVE PUBLIC GRIEVANCE REDRESSAL MACHINERY

AERA is registered on the Public Grievance Portal of DoP&T with separate user credentials. Grievances are checked on a regular basis and whenever a Public Grievance is received, the reply of the same is provided within the stipulated time frame. Further, Deputy Chief (Level of Deputy Secretary) is appointed as

Nodal Officer for Public Grievance in AERA. There are no grievances pending as on December 31, 2022.

8.8 POLLUTION CONTROL

The Authority encourages and accordingly incentivises the airports during the tariff determination process for environmental friendly measures undertaken by them. These broadly include use of solar/ renewable energy, rain water harvesting, recycling of water through treatment plant etc. During the Special Campaign organized during October 2-31, 2022, special teams of AERA officers conducted inspections at few major airports viz. Hyderabad, Cochin, Chennai and Chandigarh with respect to environmental friendly and pollution control initiatives and measures undertaken by them.

8.9 SC/ST AND OBC REPRESENTATION AS ON 31.12.2021

Officers and officials in AERA are appointed on deputation basis only. Hence, reservation policy is not applicable on appointments in AERA. However, officials belonging to SC/ST and OBC categories working in AERA are as follows:

Category	No. of officials working	Designation	Mode of recruitment
SC	-	-	On Deputation
ST	01	Director (P&S)	
OBC	05	Dy. Chief (01), Assistant (03), Steno (01)	

8.10 ISSUES RELATING TO DEVELOPMENTAL ACTIVITIES TAKEN IN NORTH-EAST

AERA being a Statutory Body under the Ministry of Civil Aviation is assigned with

the responsibility of Tariff determination in respect of Major Airports in India and is not mandated to carry out any development related activities in North-East.

8.11 WELFARE OF SENIOR CITIZENS

AERA being a Statutory Body under the Ministry of Civil Aviation is assigned with the responsibility of Tariff determination in respect of Major Airports in India and is not mandated to carry out any welfare schemes for Senior Citizens.

8.12 FACILITIES TO PERSONS WITH DISABILITIES

As on December 31, 2022, no person with disabilities are employed in AERA. However, office of the Authority is enabled to facilitate people with disabilities as per government guidelines including the AERA website *www.aera.gov.in*, which is disabled friendly.

8.13 DETAILS CONCERNING ACTIVITIES AND ACHIEVEMENTS OF VIGILANCE DEPARTMENT

No vigilance case has been initiated or is pending against any AERA employee during the period of the Report.

8.14 BEST PRACTICES DURING SPECIAL CAMPAIGN 2.0 (OCTOBER 2-31, 2022):

Consequent to directions received from MoCA, Special Campaign for disposal of pending matters and cleanliness was observed in the Authority from October 2, 2022 to October 31, 2022. Following major activities were carried out during the campaign.

Sr. No.	Date	Name of the Activities	Details of activities
01.	Oct, 3-13,2022	Record Management	All officials of AERA had participated in the activities of review of files/documents during Oct 3-13,22 and reorganized files-paging, repairing of torn out/ mutilated pages in proper manner.
02. Cleanliness Campaign (Oct 14-21, 2022)			
(a)	Oct 14, 2022	Cleanliness on Terrace of AERA building	Separate groups of officials of AERA had participated in the cleanliness activities.
(b)	Oct 17, 2022	Cleanliness of Board Room, Meeting Room and Server Room of AERA building	
(c)	Oct 18, 2022	Cleanliness of AHUs, Pantry, Washroom and Conference Hall of AERA Building	
(d)	Oct 19, 2022	Cleanliness of Reception Office, Driver Room and Parking of AERA building	
(e)	Oct 20, 2022	Cleanliness of windows of 1 st & 2 nd Floor of AERA building	
(f)	Oct 21, 2022	Cleanliness of Water Tank & Water Cooler of AERA building	
3. Scrap Disposal (Oct 14-21, 2022)			
(a)	Oct 14, 2022	Identification of Scrap for disposal	A committee constituted to identify scrap items had examined the e-waste scraps on 14.10.2022.
(b)	Oct 18, 2022	Disposal of Scrap	Identified e-waste/scraps has been disposed off through authorized e-waste scrap dealer of NDMC. 331 KGS of e-waste given to authorized scrapper/ recycler for disposal in an environment friendly manner.

Sr. No.	Date	Name of the Activities	Details of activities
4.	Oct 25-31, 2022	Space Management	Activities for organization of individual workspace and space management were organized whereby officials cleaned and re-organized their workspace Storage spaces-cupboards/almirahs/compactors were also re-organized and cleaned.
5.	Oct 2-31, 2022	Assessment of Major Airports for Environmental/Green and Swachh Bharat initiatives. Visits by separate teams of officers to few major airports were conducted to assess Environmental/Green and Swachh Bharat initiatives. Teams were as under: Hyderabad Airport- Secretary AERA and US(P&S) during Oct 11-12, 2022 Cochin Airport- Director (P&S) and DGM (Fin & Tariff) during Oct 14-15,2022 Chennai Airport- Deputy Chief, AGM(F) and Manager (Fin.) during Oct 27-28,2022 Chandigarh Airport- DGM (Fin. & Tariff) and US (P&S) during Oct 29, 2022.	

8.15 MISCELLANEOUS ACTIVITIES / INITIATIVES

- Participation of all AERA employees in Yoga camp organized by MoCA on 22.04.2022 as part of International Yoga Day (IYD).
- Observance of Anti-Terrorism Day on 20.05.2022.
- International Year of Millets, 2023 - Publicity through AERA website and digital display panels installed in AERA office, encouraging staff for consumption of Millet based products as a part of diet, exploring options to serve Millets based snacks in official meetings/ events in AERA, Participation of staff of the Authority in events on the subject to be organized by MoCA/ Ministry of Agriculture & Farmers' Welfare and Ministry of Food Processing Industries
- Activities undertaken during week long celebrations to commemorate Birth Anniversary of Sardar Vallabhbhai Patel and observation of 31st October, 2022 as National Unity Day (Rashtriya Ekta diwas).
- Ayurveda@2047 "हर दिन हर घर आयुर्वेद"
- Constitution Day, 2022 - reading the Preamble on 26th November, 2022 and participation in online Quiz on "India-the mother of Democracy/ भारत – लोकतंत्र की जननी and talk on "भारत का संविधान और भारत रत्न बाबा साहब डॉ. भीम राव अम्बेडकर का योगदान"
- Vigilance Awareness Week was observed in the Authority from 16.08.2022 to 15.11.2022.
- An essay competition on "भ्रष्टाचार मुक्त भारत– विकसित भारत" "Corruption free India for a developed Nation" was organized on 03.11.2022 during Vigilance Awareness week to encourage participation by officials.
- Various monthly activities under 'Azadi ka Amrit Mahotsav' (India@75) were organized in the Authority to commemorate the 75th Anniversary of India's Independence.
- Workshop/Awareness Program on 'Prevention of Sexual Harassment at Workplace' was organized on 09.12.2022.

9. RAJIV GANDHI NATIONAL AVIATION UNIVERSITY (India's first aviation university)

9.1 INTRODUCTION

The Rajiv Gandhi National Aviation University (RGNAU), a Central University under the administrative control of Ministry of Civil Aviation, has been established by an Act of Parliament called the Rajiv Gandhi National Aviation University Act, 2013 at Fursatganj, Dist. Amethi, Uttar Pradesh.

The University has been envisaged as the premier institution of higher learning within the aviation milieu aimed at providing cutting edge and critical research to enhance the aviation industry in India. The Act of Parliament empowers the University to award Diplomas, Degree including the Doctoral Degrees and certificates in the field of aviation.

The objective of RGNAU is to facilitate and promote aviation studies, teaching, training, research and by extension work in conjunction with the industry/ academia to achieve excellence in operations and management of all the sub-sectors within the aviation industry.

The University intends to offer a number of courses as required to bridge the skill gap within the Indian Aviation industry at present as well as taking into consideration future requirements. RGNAU has an ambitious plan to offer Bachelor Degree programs, Master Degree programs, Post Graduate Diploma courses, Doctoral programs and Certification courses in phase manner.

9.2 PHYSICAL PERFORMANCE

The infrastructure of the University, viz. Academic, Administrative, Residential,

Hostel, Computer Laboratories and other associated infrastructure facilities, includes:

- High-tech IT infrastructure and smart class technology enabled 1.2 lac sq. ft. of Academic Block,
- Two Libraries with dedicated provision for digital library,
- Two Seminar halls each of approx. 200 seating capacity with video conferencing facility;
- Open air theatre with space frame structure
- Canteen, Medical Room and Common Room for students;
- Facilities like designated approach road and car parking,
- UG water tank, 33KVA dedicated power supply from UPPCL and 100% power backup;
- Wi-Fi enabled hostel accommodation facility for 576 students with recreation and Gym facilities;

Till date, various authorities of the University, such as Executive Council, Court, Academic Council, Board of Affiliation and Recognition and Finance Committee, has been constituted successfully. The other authorities of the University Viz. Boards of Schools etc. are in the process of constitution.

9.3 IMPORTANT ACTIVITIES (01 JANUARY 2022- 31 DECEMBER 2022)

9.3.1 Post Graduate Diploma in Airport Operations

The second batch of Post Graduate Diploma in Airport Operations(PGDAO) have completed their internship training in August 2022 and almost all the students have got placement in various airports/



airlines such as Adani airport, Ahmedabad, Indigo airlines, Air Asia airlines etc.

The third batch of the PGDAO Programme has commenced on 21 October 2021 with student strength of 16 students. They have commenced their internships training in Delhi airport on 21 November 2022.

The fourth batch of PGDAO Programme has commenced on 27 October 2022 with student intake of 24 students.



9.3.2 Basic Fire Fighting Course

During the period of 01 January 2022 to 31 December 2022, four batches of Basic Fire Fighting Course i.e. (4th, 5th, 6th and 7th batches) having student strength of total 167 passed out from RGNAU with placement record of more than 90%.

Recently Adani airports have shortlisted 48 BFFC students of 7th and 8th batches for Lucknow, Mangaluru and Ahmedabad airports.



The eighth batch of BFFC have started their classroom training on 12 September 2022 with a student strength of 35 and classes for the ninth batch also commenced on 05 December 2022 with student intake of 27.

9.3.3 Bachelors of Management Studies in Aviation Services and Air Cargo

The first batch of BMS (2020) have commenced their apprenticeship training in various logistics companies such as M/s Kale Logistics Pvt. Ltd., M/s Cargo men logistics Pvt. Ltd. etc. with a monthly stipend of around Rs 8,000 – Rs 18,000/-.

The second batch for the Programme was started on 20 October 2021. The student intake for the second batch is 27 and the third batch for the Programme commenced on 27 October 2022 with student intake of 48.

9.4 FUTURE PROGRAMMES

The University has signed Memorandum of Understanding with Pawan Hans Ltd (PHL) on 09 February 2022 for joint development and launch of three years Programme of B.Sc. (Aircraft Maintenance) with DGCA approved AME certificate in collaboration with PHL which aims towards exploring the opportunities in the field of aviation under skill development to meet growing demand of aviation industry.

The University has signed a Memorandum of Understanding with TT Logistics Skill Development Pvt. Ltd. (TTSDPL) on 10 November 2021. TTSDPL intends to provide through its industry based Implementation partner long term aviation industry driven and skill based courses, course content and requisite industry support, expertise and collaboration for the courses to be conducted by RGNAU.

On 14 January 2022, the officials from Singapore India Partnership Office (SIPO), Singapore University of Social Science (SUSS) and Singapore Logistic Association (SLA) being the implementation partner of TTSDPL had visited RGNAU campus. RGNAU had presented detailed overview of the infrastructure available, operating module and current courses undertaken.

The University is exploring collaboration opportunities with various institutions and Universities in India and abroad to give students and professionals better academic and practical exposure on the aviation sector. The target of the University is to provide a conducive environment for learning and personality growth of the individual.

9.5 EDUCATIONAL / CULTURAL / SPORTS EVENTS

The Aviation Experts visited RGNAU and delivered Guest Lectures to students and informed about the huge opportunities and various aspects of the Aviation Sector in India.

The University celebrated its Annual Sports and Cultural Festival "Udaan 2022" during February, 2022. Various games were organized during the event which includes – Cricket, Volleyball, Rangoli Competition, Painting, folk dances & cultural programmes etc.

The University has celebrated Hindi Maah in the month of September 2022 w.e.f 1st September, 2022 to 30th September, 2022. Several Competitions were organized amongst the RGNAU staff and students which included – Essay Writing, Calligraphy Competition, Note and Drafting Completion, Speech Competition, Debate Competition etc. The objective of this event was to promote and understand



Aviation Chaupal in RGNAU

the keen importance of Hindi language in the personal and professional aspects of personnel.

International Civil Aviation Day was celebrated on 07th December 2022. The purpose of International Civil Aviation Day is to help generate and reinforce worldwide awareness of the importance of international civil aviation to the social and economic development of the world. Students actively participated in the event and shared their

views and source of motivation for selecting aviation as their professional career.

On the occasion of International Rural Women's Day on 15th October 2022, as part of Swachhata Abhiyan, RGNAU staff along with students had a swachhata drive to the neighbouring village Tarauna and created awareness of cleanliness amongst the rural women and other villagers. The woman villagers were invited to visit the University and around 12 women were honoured by RGNAU.



9.6 POLLUTION CONTROL

A plantation Programme was undertaken in the areas near boundary walls, parking and other green areas of the Academic and Residential Block under which more than 50 plants were planted.

The guidelines given by GRIHA Council regarding pollution control and environment protection is being adhered to, for eco-friendly development of RGNAU campus. Rooftop solar plants have already been installed on top of the academic and residential buildings of RGNAU.

As a step forward to reduce air pollution, the University campus has been kept as smoking free zone. Further, single use plastic has been banned in the University campus.

In future also, efforts will be made to minimize the impact of pollution by planting large number of trees and developing green areas in RGNAU campus.

9.7 WOMEN WELFARE INCLUDING GENDER BUDGETARY DATA

For the safety of girl students and women employees at the University campus (both academic as well as residential campus), an Internal Complaints Committee (ICC) has been constituted in accordance with the provisions of the "The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013". The broad functions of the ICC are to take note of any violation of the basic principles of gender sensitivity and gender justice in the University campus and act against the same as deemed appropriate. Keeping in view the safety and security of girl students, the hostel accommodation has been divided into two parts by creating partition in between the girls and boys hostel area.

9.8 STEPS TAKEN TO IMPROVE PUBLIC GRIEVANCE REDRESSAL MECHANISM

The University operations are not directly related to this aspect. However, the Registrar of the University has been designated as Public Grievance Officer for looking into the matters related to Public Grievances. He has also been designated as CPIO to ensure timely disposal of RTI queries received by University.

9.9 SC/ST/OBC REPRESENTATION AS ON 31.12.2022

At present, as there is no regular employee in RGNAU, provisions of SC/ST/OBC does not apply. RGNAU is in process of recruitment of the regular employees as per the RGNAU Ordinance 2020. The provision of Government of India rules regarding reservation for SC/ST/OBC in employment will be strictly adhered to at the time of making appointment to these posts.

9.10 ISSUES RELATED TO DEVELOPMENT ACTIVITIES TAKEN IN THE NORTH-EAST INDIA

This University is located in state of Uttar Pradesh, therefore, this does not concern development of North east part of the country.

9.11 WELFARE OF SENIOR CITIZEN

The present and future activities of the University are not related to this particular aspect.

9.12 FACILITIES TO PERSONS WITH DISABILITIES

To provide easy access to persons with disabilities, ramps have been provided in the academic building. Similarly, flooring with tactile tiles have been done to guide visually impaired users. Separate

toilets have also been made for easy use by persons with physical disabilities in Academic building of RGNAU. Adequate lighting is provided in all areas of academic building to help visually impaired persons. Also, provision of lifts has been made in hostel and residential blocks of the University.

9.13 DETAILS CONCERNING ACTIVITIES AND ACHIEVEMENTS OF VIGILANCE DEPARTMENTS

Ministry of Civil Aviation has given additional charge of CVO, RGNAU to Shri Amal Garg, CVO, AAI. During the period 16 August 2022 to 15 November 2022, as part of Vigilance Awareness Campaign, various activities were organized such as



Integrity pledge



Marathon displaying banners on Vigilance Awareness



integrity pledge by students and staff, debate and essay competitions amongst students, marathon by students and staff, visit to farmers of nearby villages etc. for spreading the awareness on Vigilance.

9.14 CITIZEN CHARTER

The Citizen Charter will be developed once sufficient number of employees joins the University.

9.15 SOCIAL WELFARE ACTIVITIES

University, as the Center of Knowledge generation and sharing, plays a very important role in solving world's problems by ensuring a sustainable tomorrow. Visits of students from the primary school of local village, i.e. Tarauna, have been organized in the University campus on

various events, where they witnessed various functionalities of the University which has been a motivational factor for them to aspire towards aviation field.

To develop the togetherness amongst employees and students of the University irrespective of their positions, some common social events including diverse festivals were organized from time to time such as Vishwakarma Pooja, Christmas, Deepavali, Onam, Holi, Makara Sankranti celebrations etc. These events were organized in order to emphasize the perception of "Unity in Diversity".

At the time of enrollment of students for the various courses of the University, assistance was given to prospective candidates for availing loan facility from various banks across the nation.

10. AIRPORTS AUTHORITY OF INDIA

10.1 INTRODUCTION

Airports Authority of India (AAI) came into existence on 1st April 1995. AAI has been constituted as a statutory authority under the Airports Authority of India Act, 1994. It has been created by merging the erstwhile International Airports Authority and National Airports Authority with a view to accelerate the integrated development, expansion and modernization of the air traffic services, passenger terminals, operational areas and cargo facilities at the airports in the country.

Airports Authority of India (AAI) is entrusted with the responsibility of creating, upgrading, maintaining, and managing civil aviation infrastructure both on the ground and air space in the country. AAI manages 133 airports, which include 23 International Airport (including 3 Civil Enclaves), 10 Customs Airport (including 4 CE), 100 Domestic Airports (including 22 Civil Enclaves).

10.2 MAIN FUNCTIONS OF AAI

Control and management of the Indian airspace (excluding special user air space) extending beyond the territorial limits of the country, as accepted by ICAO.

Provision of Communication, Navigational and Surveillance Aids.

Expansion and strengthening of operational areas viz. Runways, Aprons, Taxiways etc. and provision of ground-based landing and movement control

aids for Aircraft & vehicular traffic in operational area.

Design, Development, Operation and Maintenance of passenger terminals.

Provision of passenger facilities and information systems in the passenger terminals.

10.3 ESTIMATED FINANCIAL PERFORMANCE OF AAI FOR THE F.Y. 2022-23

Estimated Financial Highlights

(Rs. in crores)

Particulars	Amount
Revenue	10801.69
Expenditure	8858.34
Profit Before Tax	1943.35
Profit After Tax	1943.35
Dividend	776.24
Tax on Dividend	Nil

Estimated Revenue Highlights

(Rs. in crores)

Particulars	Amount
Air Navigational Services	3273.28
Aeronautical Airport Services	2685.26
Non- Aeronautical Airport Services	1205.72
Airport Lease Revenue	3259.38
Other Income	378.05
Total Revenue	10801.69

Estimated Expenditure Highlights

(Rs. in crores)

Particulars	Amount
Employee Benefit Expenses	3945.97
Operating Expenses	2066.26
Administrative & Other Expenses	677.85
Financing Charges	173.26
Depreciation	1995.00
Security Expenses	0.00
Total Expenditure	8858.34

Contribution to Exchequer for the FY 2022-22 (Provisional)

(Rs. in crores)

Dividend	Dividend Tax	Guarantee Fee	Income Tax	GST	Total
0.00	0.00	2.04	850.00	1580.00	2432.04

Note:

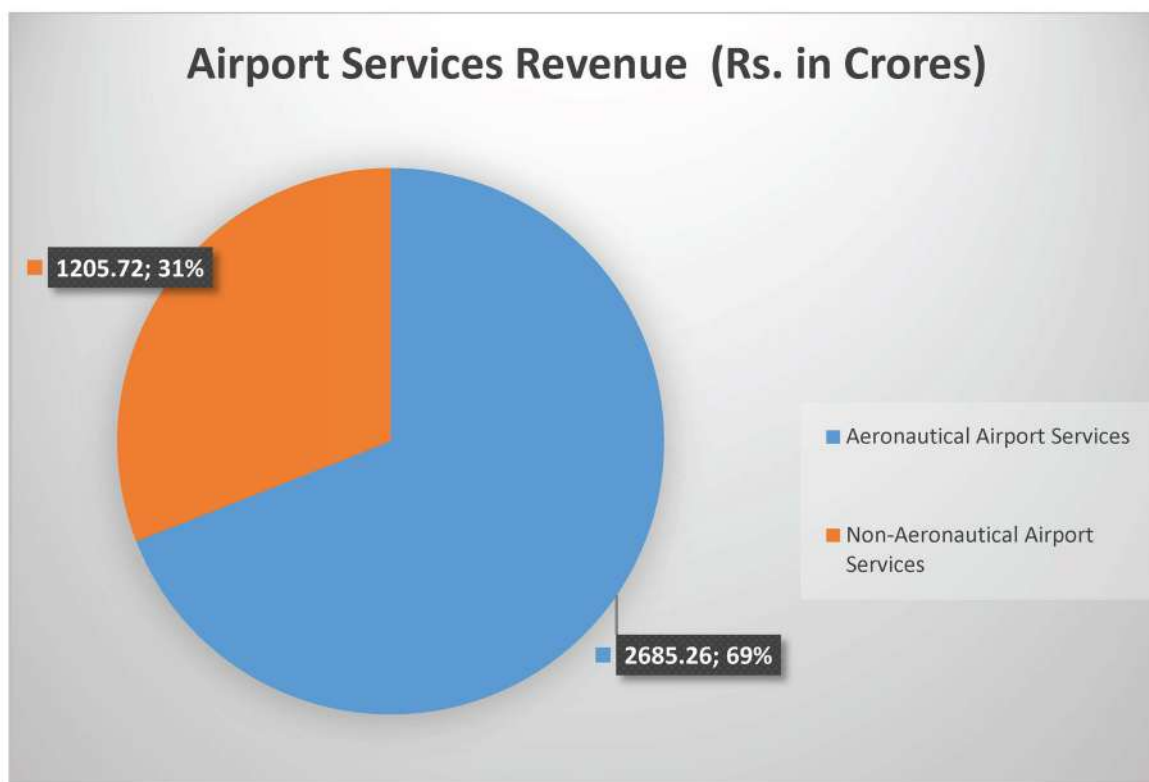
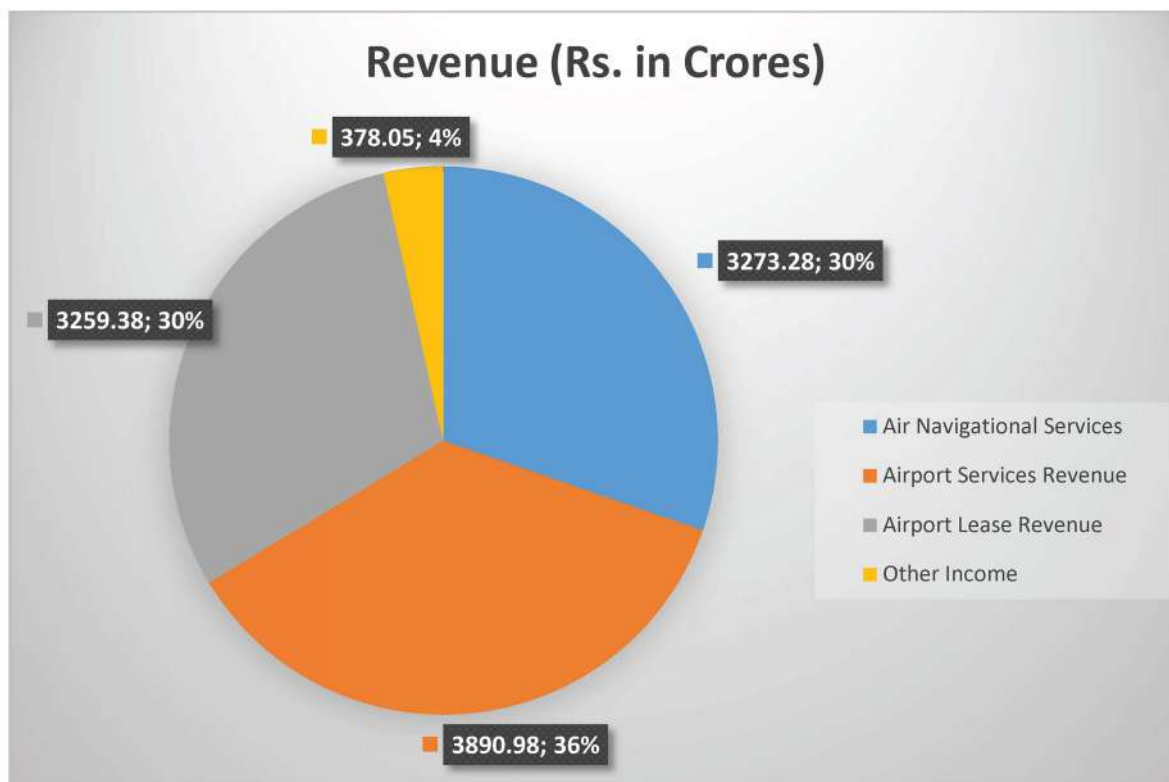
The Dividend for the FY 2022-23 has been worked out based on DIPAM Guidelines @ 5% of Net worth. In this regard, AAI will be requesting MoCA to exempt AAI from payment of any Dividend for the FY 2022-23 due to CAPEX target and Financial Position of AAI.

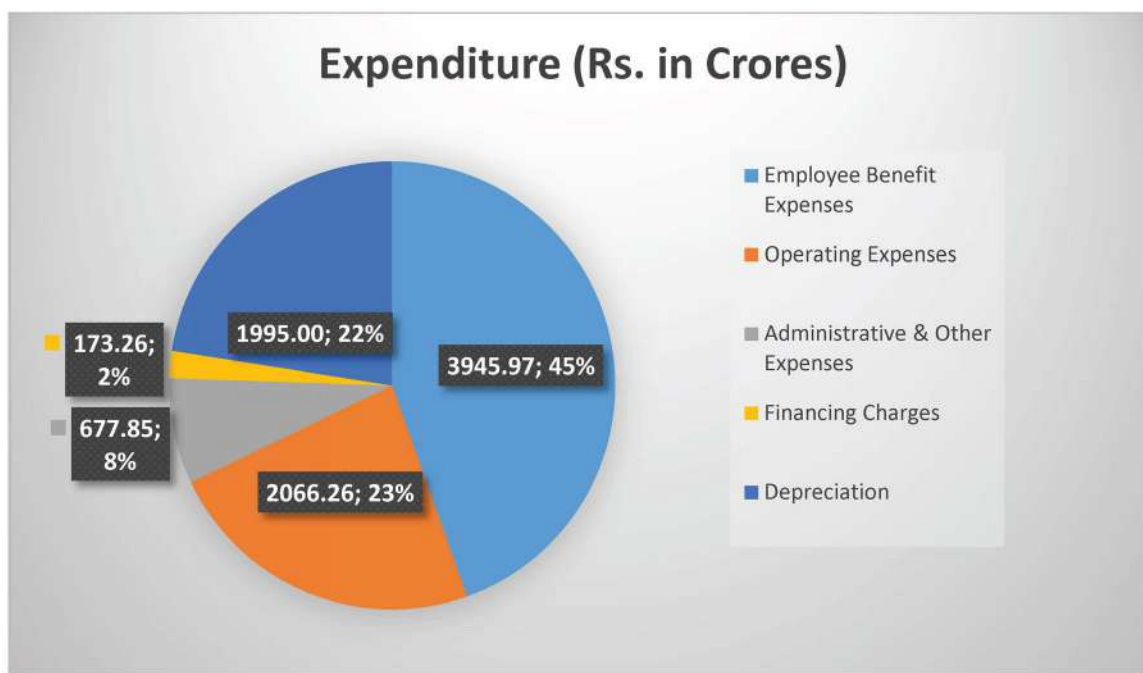
Considering the above, the Dividend Amount for the FY 2022-23 has not been shown in Contribution to Exchequer.

10.4 TRAFFIC HANDLED (2022 VS 2021)

In 2022 i.e. post covid era, the air traffic on all three fronts at Indian airports has improved significantly as compared to 2021. All Indian airports taken together are expected to handle 294 million passengers during 2022 as against 182 million in 2021 registering an increase of 61%. The total aircraft movement and freight movement have increased by 33% and 1% respectively during the year 2022 over 2021.

Details of traffic handled during 2022 and comparison with 2021 are given below:





Particulars	2022	2021	% Change
Aircraft Movement (in ,000)			
International	329.89	193.79	70.2%
Domestic	1991.3	1552.21	28.3%
TOTAL	2321.19	1746.00	32.9%
Passengers (in Million)			
International	49.13	18.42	166.7%
Domestic	245.01	163.74	49.6%
TOTAL	294.14	182.16	61.5%
Freight (in '000 MT)			
International	1880.62	1952.08	-3.7%
Domestic	1282.36	1193.23	7.5%
TOTAL	3162.97	3145.31	0.6%
*Note:- Dec-2022 traffic is provisional			

10.5 ACI-ASQ AWARDS 2021

Airport Service Quality (ASQ) survey is the world-renowned and internationally established global benchmarking programme measuring passengers' satisfaction conducted by the Airports Council International (ACI).

ASQ Survey measures passengers' satisfaction across 34 key performance indicators that

includes 8 major categories such as access, checkin, security, airport facilities, food & beverage, retail, airport environment and arrival services ASQ Awards recognize those airports around the world that deliver the best customer experience in the opinion of their own passengers.

In the year 2021, ACI-ASQ survey was carried out at around 253 airports across North America, Latin America and Caribbean, Europe, Africa, Middle East and Asia. In 2021, 18 Indian airports participated in ASQ survey out of which 10 were AAI airports.

Seven (07) AAI airports namely Chennai, Kolkata, Goa, Pune, Patna, Bhubaneswar and Chandigarh which participated in ACI-ASQ survey in 2021 were chosen for Voice of Customer Recognition.

Chandigarh was awarded two awards in following categories:

Best Airport by Size and Region (2 to 5 million passengers per year in Asia-Pacific)

Best Hygiene Measures by Region (Asia-Pacific).

10.6 INITIATIVES BY AAI FOR ENVIRONMENT SUSTAINABILITY

AAI is continuously moving forward with the aim of achieving sustainable growth by minimizing the adverse effects on environment. Some of the major initiatives taken by AAI in this direction are as follows:

ACI-Airport Carbon Accreditation Program: AAI is in process for ACI-ACA Certification of its airports to assess, review, reduce and optimise its emissions.

AAI at Kolkata, Bhubaneswar and Varanasi Airports has achieved Level 2 Airport Carbon accreditation in the Dec'2019 and

is in process to achieve Level 2 certification for 23 more airports.

Renewable Energy Initiatives: In the field of Energy Conservation & renewable energy, AAI Airports are showcasing best practices. AAI has already installed Solar Power Plants at various airports with cumulative capacity of more than 54 MWp as on date. AAI is also procuring around 53 million units of solar energy through open access and Green tariff, thus enhancing Renewable Energy (RE) share as on date about 35% of total electrical consumption of AAI airports.

AAI is committed to enhance further the total installed solar power capacity as well as to adopt other feasible options to achieve 100% RE target.

Energy Conservation Initiatives: Regular Energy Audits by specialized agencies are conducted for taking up energy saving measures consistently under identified short-term and long-term measures as per Energy Conservation Act, 2001 issued by Ministry of Power.

Under National LED program (UJALA-Unnat Jyoti by Affordable LEDs for all), AAI has taken up replacement of conventional light fixtures with LED fittings at all airports.

Green Infrastructures: AAI has already taken initiatives to construct Terminal buildings as Green Buildings with highest GRIHA rating by adopting different green options for selection of materials, procedures and equipment in projects as well as in operations and maintenance activities.

Waste Management: AAI is taking strong measures in waste management and has successfully implemented single-use-

plastic ban at most of its airports. AAI is the first PSU in India to set up a Paper Recycling Unit in line with the GROW (Government Recycled Office Waste) initiative. AAI is also in process to have a solid waste management system at its airports for recycle, reuse and proper disposal of waste.

Water Management: AAI has taken initiative on water management by minimizing the wastage of potable water by processing of waste water and reusing of treated water. Sewage Treatment Plants (STPs) and Rainwater Harvesting Systems are provided / planned with existing / new projects.

Implementation of Departure Slot Management (DSM): Employment of DSM in operations has resulted in improvement of on-time performance of airlines, thereby reducing departure congestion and queuing of aircrafts, thereby reducing fuel consumption and GHG emissions.

Implementation of Central Air Traffic Flow Management (CATFM): This management technique is helping AAI to manage air traffic flows strategically in the Indian sky, which has helped ensure reduced delays & holding and optimisation of capacity, leading to reduction in fuel consumption and GHG emissions.

Implementation of Performance Based Navigation (PBN): PBN supports development of air routes / arrival-departure paths / approach procedures which help reduce/optimize track miles, descent and climb profile and thereby enhance airspace capacity. These measures improve operational efficiency of aircraft operations and lead to reduction in fuel consumption and GHG emissions.

Implementation of Continuous Descent Operations (CDOs): CDOs have been

implemented to permit aircraft to maintain a very fuel-efficient arrival flight path, which helps reduce fuel consumption and noise at ground, thereby reducing GHG Emissions.

Implementation of Airport Collaborative Decision Making (A-CDM) has resulted in enhancement of ground operational efficiency by encouraging intersection departures, thereby leading to reduction in fuel and GHG emissions.

Provisioning of Fixed Electric Ground Power (FEGP) & Pre-Conditioned Air (PCA) Units at Airports: Steps are being taken for provisioning of FEGPUs & PCAs at existing airports in a phased manner, which would enhance ground operational efficiency and save fuel, thereby leading to reduction in GHG emissions.

Provisioning of TaxiBots for Green Taxiing is being undertaken as a pilot project at Chennai & Kolkata Airports for towing aircraft without running its engines, which would save burning of ATF, thereby leading to reduction in GHG emissions.

Switching over to Electric Vehicles including Provisioning of EV Charging Stations in a phased manner to reduce emissions and improve local air quality at airports.

10.7 WOMEN WELFARE

With an objective to encourage wider women participation in recruitment activities, AAI does not charge any registration fee from women candidates in all its recruitment activities.

In a continuous effort to provide more supportive environment to women employees, AAI's management took a decision to extend the benefits of maternity leave to its women employees in case of surrogacy with IVF.

Keeping in view of safety and security of women employees in AAI, provision of Hostel Accommodation to single female employees has been introduced.

10.8 STEPS TAKEN TO IMPROVE PUBLIC GRIEVANCE REDRESS MACHINERY

The Public Grievance Redressal Machinery is monitored for all the airports by a GM level Officer at Corporate Headquarters. Daily follow up is done by the PG Cell Team at CHQ with the stake holders, where the grievances are pending.

Public Grievance Officers have already been appointed at each airport, whose details are displayed at prominent places at airports for the benefits of the passengers and users of airports. The Public Grievances are monitored on daily basis by the respective PGOs at Field Stations, Regional Headquarters and at Corporate Headquarters. Dedicated Email IDs have been created for all the PGOs for the convenience of the users and their details are also available at AAI Website.

For the benefit of Citizen / passengers, multiple options for lodging grievances to them are given to them such as; CPGRAMS, Letters, Emails, AAI Website, Suggestion Box, Registers, Telephonic, Twitter or any other mean of complaints / print media.

All the Joint Venture and Private Airports along with AAI Airports have been added as subordinate office in CPGRAMS Portal to AAI for proper control, Redressal and monitoring. The Team at coordinates with PGOs / Nodal Officers of Private and Joint Venture Airports and guide them for quality of response and promptness while handling grievances of Public and Passengers.

An Integrated Grievance Portal, namely, Air Sewa Portal was launched in the year 2016, which ran successfully. For better operation and smooth functioning and to give better user interface, Air Sewa Portal is being updated on regular intervals.

Regular meetings and follow-ups are done with all the stake holders for proper administrative control of the Public Grievance Redress Machinery at AAI.

A new dimension has already been added in the Public Grievances portfolio, which is Consumer Helpline Portal, under Ministry of Consumer Affairs, Food and Public Distribution. The grievances are handled, processed and redressed promptly through this portal also by taking feedback / replies from concerned airports, where the complaint belongs to.

10.9 SC/ST AND OBC REPRESENTATION AS ON 31.12.2022.

Total No. of Emp.	Total No. of SC Emp.	% of SC Emp.	Total No. of ST Emp.	% of ST Emp.	Total No. of OBC Emp.	% of OBC Emp.
15888	3275	20.61	1353	8.52	4114	25.89

10.10 CAPITAL SCHEMES COMPLETED DURING CALENDAR YEAR 2022

(Rs in Cr.)

S. No.	Project-site	Particulars	Completion Date	Completion Cost
1	Agartala	Construction of Cargo Building at Agartala Airport	31-12-22	15.78
2	Silchar	Extension of Apron and construction of New link taxiway at Civil Enclave, Silchar Airport.	25-05-22	17.14
3	Itanagar (Hollongi)	Construction of Interim Terminal Building at Itanagar.	30-09-22	24.07
4	Dehradun	Strengthening of Runway & taxiway, construction of emergency exit road and associated works	06-10-22	25.80
5	Chitrakoot	Development of Airport at Chitrakoot	31-03-22	26.14
6	Ranchi	Resurfacing of Runway	12-02-22	26.17
7	Varanasi	Construction of control tower cum Technical Block.	07-09-22	28.23
8	Madurai	Re-Surfacing of Existing Runway 09/27 for code 'C' type of Aircraft and Associated works at Madurai Airport.	30-05-22	28.39
9	Agartala	Construction of Hangar at Agartala Airport.	31-03-22	32.51
10	Khajuraho	Widening & Grading of Basic Strip of Runway Construction of perimeter Road and stormwater Drain at Khajuraho Airport.	28-02-22	33.77
11	Vijaywada	Construction of New Apron, Link Taxiway and associated works at Vijayawada Airport.	31-03-22	33.91
12	Barapani	Construction of apron link taxi track and Isolated bay at Barapani Airport	31-08-22	34.93
13	Mysore	Wall to Wall grading of operational area at Mysore Airport.	30-10-22	35.34
14	Kolkata	Construction of Hangars, Apron & Link	30-06-22	35.44
15	Bhubaneswar	Construction of New control Tower and tech. block & allied works.	31-07-22	37.63

S. No.	Project-site	Particulars	Completion Date	Completion Cost
16	Trichy	Up gradation of Passenger Terminal Building and Airside Facilities at Tiruchirapalli (Trichy) International Airport. SH: Construction of Apron, associated taxiways, Isolation Bay, GSE Area and associated works. (Package-II).	05-08-22	44.52
17	Pakyong	Strengthening the base of RE wall by cemented rock fill over micro pile and pretensioned anchor.	30-04-22	46.26
18	Hyderabad	Construction of Civil Aviation Research Organization Campus at Begumpet Airport, Hyderabad Hostel Block	30-06-22	48.52
19	Coimbatore	Construction of staff quarters at Coimbatore International Airport & Construction of new Residential Staff Quarters, CISF Barracks, Dog kennel & Community hall at old wireless station at Trichy Airport.	30-04-22	48.75
20	Bhubaneswar	Construction of Parallel Taxi Track i/c Apron	30-06-22	60.74
21	Hubli	Design, Supply, Installation, Testing and Commissioning of 8 MW Ground Mounted Grid Connected PV Solar Plant at Hubballi Airport.	30-10-22	64.06
22	Trichy	Construction of staff quarters at Coimbatore International Airport & Construction of new Residential Staff Quarters, CISF Barracks, Dog kennel & Community hall at old wireless station at Trichy Airport.	30-05-22	65.12
23	Visakhapatnam	Linear Expansion of terminal building	30-05-22	70.44
24	Kadapa	Extension & Strengthening of Existing Runway, Taxiway and Apron along with construction of Isolation Bay, Pavement against Blast Erosion, RESA and Perimeter Road, Grading of Strips etc. at Kadapa Airport for Operation of Code-C Type of Aircraft (A-320) including Electrical works.	30-06-22	94.44

S. No.	Project-site	Particulars	Completion Date	Completion Cost
25	Amritsar	Expansion of Apron for 10 no's code 4C type of aircraft. AMRITSAR. Construction of Additional Parking Bays	30-03-22	96.15
26	Adampur	Development of Civil Enclave at Adampur airport	30-11-22	114.45
27	Shimla	Restoration of Basic Strip, Prevention of Soil Erosion, Extension of Apron and Associated works at Shimla Airport.	12-10-22	131.96
28	Kolhapur	Extension & Strengthening of Runway, Apron & assoc. work at Kolhapur Airport.	30-07-22	172.97
29	Tirupati	Extension of runway alongwith strengthening of existing runway, apron and provision of RESA and associated works for Code E type of aircraft at Tirupati Airport.	30-08-22	177.10
30	Chennai	Development of Car Park at Chennai Airport.	31-07-22	250.00
31	Deoghar	Development of Deoghar Airport.	12-07-22	305.17
32	Pune	Development of Car Park at Pune Airport.	31-10-22	120.00
33	Hollongi	Construction of New Greenfield Airport, Hollongi, Arunachal Pradesh. Package 1: Development of Runway, Apron in operational area and allied works at Itanagar, Hollongi	10-11-22	460.89

10.11 CAPITAL SCHEMES UNDER PROGRESS CALENDAR YEAR 2022

(Rs. in Cr.)

S. No.	Project-site	Particulars	Physical Progress (%) As on 31.12.20	Probable Date of Completion	Approved Cost
1	Port Blair	Construction of NITB and allied works	90.00%	Apr-23	707.73
2	Port Blair	Construction of New Apron with Link Taxiways at Portblair.	52.00%	Mar-23	99.77
3	Vijayawada	Construction of NITB including Apron, ATC Tower and associated works at Vijayawada Airport.	32.91%	Jun-24	611.80

S. No.	Project-site	Particulars	Physical Progress (%) As on 31.12.20	Probable Date of Completion	Approved Cost
4	Hollongi / Itanagar	Construction of New Greenfield Airport at Hollongi	61.00%	Airport has been inaugurated on 19.11.2022 with Interim Terminal Building. PDC for regular Terminal Building is Jun-23	645.63 (Overall) Package 2: 195.50
5	Tezu	Operationalization/ Upgradation of Tezu Airport, Arunachal Pradesh.	97.50%	Mar-23	67.74
6	Dibrugarh	Construction of Hangar.	67.00%	Mar-23	15.13
7	Dibrugarh	Construction of Technical block cum control tower.	56.00%	Mar-23	44.28
8	Dibrugarh	Re-carpeting and merging of Existing Runway- 05 (Flexible) Work with new Rigid Runway Pavement and other allied Works at Dibrugarh Airport.	46.00%	Mar-23	50.54
9	Dibrugarh	Dismantling of existing open drain in operational area and construction of new covered drain at the same location.	98.00%	Feb-23	39.91
10	Darbhanga	Strengthening of Runway, Taxi track, Apron and Allied works at Airforce Station Darbhanga.	87.00%	Jun-23	73.22
11	Darbhanga	Conversion of Darbhanga Airport from VFR to IFR/ Const. of runway shoulder, RESA & ballast pad and C/o CCR room on AAI offices, power house and canteen at Darbhanga Airport.	64.78%	Jun-23	30.35
12	Darbhanga	Development of Darbhanga Airport SH: Expansion of Existing Pre-Engineered Terminal Building i/c Civil, Electrical, Fire Fighting, HVAC/VRF, Airport System, IT System, Car Parking & Roads, Boundary Wall, City Side Development & Other Associated Works including modification in existing terminal building on design & build basis.	0.00%	Jul-23	36.94

S. No.	Project-site	Particulars	Physical Progress (%) As on 31.12.20	Probable Date of Completion	Approved Cost
13	Patna	Construction of New Domestic Terminal Building and other structures (Phase I and II) at Patna Airport.	50.50%	Dec-24	1216.90
14	Patna	C/o State Govt. Hangars, Flying Club Building, VIP Lounge Building and other associated works.	62.00%	Dec-23	
15	Patna	Construction of ATC control block, Technical Block fire station & cargo block.	99.00%	Mar-23	
16	Patna	Recarpeting of Runway, Taxiway, Shoulders, Apron, C/o Parallel Taxi Track, Isolation bay, Taxiway link to new apron (in front of hangar) to RWY and allied works at Patna Airport	5.00%	Jul-23	95.11
17	Safdurjung	Construction of Combined Operational Offices for DGCA, BCAS, AAIB, AERA & AAI at Safdarjung Airport, New Delhi.	94.00%	Feb-23	351.20
18	Dholera	Development of New Greenfield Airport at Dholera, Ahmedabad (Gujarat).	5.00%	Dec-25	1305.00
19	Rajkot	Construction of Greenfield Airport at Hirasar (Rajkot).	64.00%	Mar-23 (with Interim Terminal Building) PDC for regular Terminal Building is Dec-23	1405.00
20	Surat	Extension of Terminal Building at Surat Airport.	83.00%	Terminal Building Apr-23 Apron & PTT Jul-23	353.25
21	Surat	Extension of Apron and construction of Parallel Taxi Track at Surat.	60.00%		
22	Surat	Construction of Canopy in front of terminal building at Surat Airport.	0.00%		
23	Vadodara	Construction of ATC Tower & Fire Station.	88.00%	Feb-23	57.72

S. No.	Project-site	Particulars	Physical Progress (%) As on 31.12.20	Probable Date of Completion	Approved Cost
24	Goa	Extension of Existing Integrated Terminal Building.	22.35%	Jun-24	255.69
25	Calicut	Runway recarpeting and strengthening and fixing central line lights including allied Civil and Electrical works at Calicut Airport	0.00%	Nov-23	55.59
26	Leh	C/o New Terminal Building at Leh Airport.	54.00%	Mar-24	480.33
27	Bhopal	Construction of ATC Tower cum Technical Block and other associated works.	80%	Mar-23	41.16
28	Gwalior	Expansion of Civil Enclave at Gwalior Airport Construction of Terminal Building, Ancillary Buildings, Car Parking, City side Development & other associated works at Gwalior Airport	28.00%	Sep-23	446.12
29	Gwalior	Construction of Apron & Link Taxi including associated works for Parking of 09 Nos. AB-321 type of aircraft at Gwalior Airport, Gwalior	27.00%	Sep-23	
30	Indore	Construction of ATC tower & Fire station	0.00%	May-24	86.61
31	Indore	Construction of Domestic Air Cargo Terminal, Center for Perishable cargo and associated work at DABH Airport Indore.	60.00%	Mar-23	15.42
32	Jabalpur	Upgradation of Jabalpur Airport for AB-320 type of aircraft SH. New Terminal building.	67.22%	Jun-23	412.24
33	Jabalpur	Upgradation of Jabalpur Airport for AB-320 type of aircraft SH: Extension of Runway, Construction of of New Apron, Taxi Track & Isolation bay i/c Link taxi, GSE area, Perimeter road & allied works (civil & elect).	100.00%	Work completed 30-06-2022	
34	Imphal	Construction of hangar and other associated works.	58.00%	Mar-23	35.90
35	Imphal	Construction of International cargo terminal at Imphal Airport.	74.00%	Mar-23	15.93
36	Imphal	Extension of Turn pad & fillets and Strengthening of TWY C at IMPHAL.	20.00%	Apr-23	17.05

S. No.	Project-site	Particulars	Physical Progress (%) As on 31.12.20	Probable Date of Completion	Approved Cost
37	Imphal	Construction of New Integrated Terminal Building, Control Tower Cum Technical Block, Apron, Link Taxiway and Associated works at Imphal International Airport, Imphal, Manipur	10.22%	Jul-24	499.00
38	Juhu	C/o residential qtrs. in AAI-PHHL colony, Juhu	97.00%	Feb-23	38.80
39	Kolhapur	Construction of New Terminal Building.	54.00%	Jun-23	71.72
40	Pune	Construction of New integrated Terminal Building.	75.00%	Sep-23	475.39
41	Bhubneshwar	Construction of link building.	41.00%	Jun-23	87.51
42	Bhubneshwar	Provision of 4 MWp (DC) ground mounted solar power plant.	98.00%	Jan-23	41.24
43	Bhubneshwar	Construction of Parallel Taxi Track (PTT), Rapid Exit Taxi way (RET) and Apron for parking of 08 nos. Code C Aircrafts at Biju Patnaik International Airport, Bhubaneswar. SH: Construction of PTT and RET (Phase-II).	0.00%	Sep-23	47.95
44	Jharsuguda	Construction of 4 nos Apron Bays at Jharsuguda Airport	85.00%	Feb-23	25.24
45	Jodhpur	Construction of New Apron at Jodhpur Airport (Balance portion) Phase - II	25.00%	Oct-23	16.65
46	Udaipur	Runway resurfacing, providing fillets and turn pads for B-777 VIP Flight operations at M.P. Airport, Udaipur	98.00%	Mar-23	29.52
47	Chennai	Modernization of Chennai Airport (Phase-II), Chennai Airport.	54.02%	Feb-23 (Part - I) Jul-25 (Part - II)	2467.00
48	Chennai	Construction of Balance Portion of 2 Nos. Rapid Exit Taxiways (RET) for the main runway 07/ 25 merging with B- taxi track (beyond Critical portion of runway) and resurfacing between Taxiway-D and taxiway -M and associated works at Chennai Airport, Chennai.	68.00%	Mar-23	66.18

S. No.	Project-site	Particulars	Physical Progress (%) As on 31.12.20	Probable Date of Completion	Approved Cost
49	Chennai	Reconstruction and strengthening of 'H' taxi track, 'E' taxi track for code 'E' aircraft operations, Construction of link taxi track from RET – M to 'H' taxi track in domestic apron, resurfacing of secondary runway and allied works at Chennai Airport, Chennai.	50.00%	Apr-24	53.66
50	Chennai	Construction of balance portion of Link taxiway's 'N1' and 'F' connecting with B taxi, Resurfacing of B taxi way Between 'K' taxiway to 'M' taxiway and construction of cargo bays in the Old ceremonial lounge and Air India Cargo location at Chennai Airport, Chennai	20.00%	Mar-23	97.60
51	Chennai	Modification of Storm Water Drain in operational area at Chennai Airport.	8.00%	May-23	209.10
52	Chennai	Construction of Residential Quarters at Chennai Airport.	55.00%	Nov-24	460.75
53	Coimbatore	Resurfacing of runway at Coimbatore Airport.	20.00%	Jun-23	49.80
54	Madurai	Construction of Technical block cum ATC Tower.	30.00%	Feb-24	99.02
55	Madurai	Construction of Pre-Cast Operational Boundary Wall, Property Wall, at Madurai Airport	0.00%	Dec-23	98.25
56	Trichy	Construction of New Terminal Building, Apron, ATC Complex at Trichy Airport.	79.22%	Dec-23	951.00
57	Trichy	Construction of Surface Car Parking and Associated works at Tiruchirappalli Airport, Trichy.	23.00%	Apr-23	49.45
58	Tuticorin	Development of Tuticorin Airport: Extension of Runway With Blast Pad, RESA, Taxiway, Apron, GSE Area, Isolation Bay and miscellaneous Works.	32.57%	Dec-23	380.87
59	Tuticorin	Construction of New Terminal Building, ATC Tower cum Technical Block, Fire Station and Associated works including Maintenance, Operation and AICMC at Tuticorin Airport.			

S. No.	Project-site	Particulars	Physical Progress (%) As on 31.12.20	Probable Date of Completion	Approved Cost
60	Hyderabad	Resurfacing and Strengthening of Runway at Begumpet Airport, Hyderabad. SH: Resurfacing of Runway and other pavement works at Begumpet Airport, Hyderabad.	5.00%	Jul-23	60.00
61	Hyderabad	Raising/ Reconstruction of operational wall in damaged stretches(phase II)	94.00%	Mar-23	19.28
62	Hyderabad	Construction of Civil Aviation Research Organization Complex at Begumpet Airport, Hyderabad, Phase-I.	76.00%	Jun-23	353.61
63	Ayodhya	Development of Ayodhya Airport. Sh. Construction of Pre-Engineering Building (PEB) and other associated works on Design & Build Basis (EPC)	49.00%	Jun-23	328.00
64	Ayodhya	Development of Ayodhya Airport, Uttar Pradesh. Sh. Pavement, Grading and other in operational area on Design & Build Basis (EPC)	72.00%		
65	Bareilly	Development of Civil Enclave at Bareilly SH. Widening and strengthening of Apron at Bareilly.	60.00%	Feb-23	21.49
66	Gorakhpur	Expansion of Passenger Terminal Building at Gorakhpur Civil Enclave, Gorakhpur	77.00%	Feb-23	26.87
67	Kanpur	Development of Kanpur (Chakeri) Airport	95.00%	Feb-23	168.87
68	Saharanpur	Development of Sarsawa (Saharanpur) Airport on Design and Build Basis, SH Construction of Pre-Engineered Terminal Building and Associated Works	2.00%	Jun-23	80.00
69	Saharanpur	Development of Sarsawa (Saharanpur) Airport. SH: Construction of Apron, Taxi Track and Associated Works	3.00%	Jun-23	
70	Fursatganj	Development of Fursatganj airport for Civil operations	0.00%	Sep-23	25.24
71	Muirpur (Korba)	Development of Airport at Muirpur Construction of Prefabricated Structure (Terminal Building) & Associated Structures at Muirpur Airport, Dist. Sonbhadra, UP	70.00%	Mar-23	44.51
72	Muirpur (Korba)	Surface grading and RCC retaining wall at Muirpur Airport, Muirpur, Sonbhadra.	65.00%	Apr-23	

S. No.	Project-site	Particulars	Physical Progress (%) As on 31.12.20	Probable Date of Completion	Approved Cost
73	Dehradun	Construction of Domestic Passenger Terminal Building at Dehradun Airport	87.00%	Airport has been inaugurated on 08.10.2021 Terminal Building Phase - I. PDC for Phase -II is Jun-23	456.86
74	Kolkata	Construction of ATC Tower/Technical Block.	91.00%	Engg. works - Apr-23 CNS works - May-24	458.00
75	Kolkata	Airside Capacity Enhancement of NSCBI Airport, Kolkata. Extn of F -Taxi track from proposed Bay No. C-13 to 19R & from 19R to 19L, Construction of 03 nos. RET's, 04 nos. Apron, Shoulders and Box Culvert at different locations of NSCBI Airport, Kolkata.	98.00%	Apr-23	389.71

10.12 PROJECTS UNDER PLANNING CALENDAR YEAR 2022

(Rs. in Cr.)

S. No.	Project-site	Particulars	Tentative Cost (Rs. in Cr.)	Status	Remarks
1	AGARTALA	Recarpetting of Runway, Taxiway and Apron.	134.00	Planning Stage (Estimate Stage)	Probable date of Start - 30.04.2023 Expected Date of Completion-30.06.2024
2	AGATTI	Development of Agatti Airport SH:SH: Re-surfacing of Runway at Agatti Airport.	23.71	Planning Stage	Probable date of Start - 28.02.2023 Expected Date of Completion-30.08.2024
3	BHUBANESHWAR	Conversion of Category-I Lighting to Category-III Lighting system & Resurfacing of Runway	117.00	Planning Stage (Tender invited)	Probable date of Start - 01.02.2023 Expected Date of Completion- 31.01.2024
4	COIMBATORE	Construction of Boundary Wall for newly acquired land for NITB Ph II (C+E)	39.28	Planning Stage (Financial Bid opened on 09.09.2022. Accord of AA&ES under process)	Probable date of Start - 07.02.2023 Expected Date of Completion-30.05.2024
5	JAMMU	Construction of NTB Complex including apron, taxi track and other associated civil works and electrical & mechanical installation towards Tawi River side at CA Jammu.	850.00	Planning Stage (Engg. consultancy is in progress)	Probable date of Start - 31.03.2023 Expected Date of Completion-31.08.2025
6	JODHPUR	Construction of New Terminal Building at Jodhpur Airport	480.00	Planning Stage (Engg. Consultancy work is in progress)	Probable date of Start - 01.04.2023 Expected Date of Completion-31.10.2025
7	KALABURAGI	Development of Kalburgi Airport. SH : Runway Extension and other allied Civil & Electrical works at Kalburgi Airport	31.06	Planning Stage (Technical bid to be opened on 09.01.2023)	Probable date of Start - 28.02.2023 Expected Date of Completion-27.09.2024
8	KOLKATA	Capacity Enhancement of Integrated Passenger Terminal Building at Kolkata Airport.	141.00	Planning Stage (Estimate Stage)	Probable date of Start - 31.03.2023 Expected Date of Completion-30.09.2025
9	KOTA	Construction of Greenfield Airport at Kota.	1000.00	Planning Stage	Probable date of Start - 31.05.2023 Expected Date of Completion-31.01.2025

S. No.	Project-site	Particulars	Tentative Cost (Rs. in Cr.)	Status	Remarks
10	RAJAHMUNDRY	Terminal Building Extension at Rajahmundry Airport	347.15	Planning Stage (AA&ES Accorded)	Probable date of Start - 30.04.2023 Expected Date of Completion-30.05.2025
11	SRINAGAR	Construction of New Integrated Terminal Building at Srinagar Airport	1400.00	Planning Stage (PMC is in progress)	Probable date of Start - 01.04.2023 Expected Date of Completion-31.08.2026
12	TIRUPATI	Construction of New ATC Tower cum Technical Block & Utility/Service Block including Operation & Routine Maintenance and all Inclusive Comprehensive maintenance contract (AICMC) at Tichy Airport.	58.64	Planning Stage (Financial bid opened)	Probable date of Start - 31.01.2023 Expected Date of Completion-31.01.2024
13	UDAIPUR	Construction of New Terminal Building at Udaipur Airport	754.00	Planning Stage (Engg. Consultancy work is in progress)	Probable date of Start - 01.06.2023 Expected Date of Completion-31.10.2025
14	VIJAYAWADA	Construction of ATC Tower Cum Technical Block at Vijayawada Airport	76.14	Planning Stage (Financial Bid opened on 13.12.2022 FC Under process.)	Probable date of Start - 15.02.2023 Expected Date of Completion-24.11.2024
15	BHUBANESHWAR	Construction of New Domestic Terminal [T3] Building at Bhubaneswar Airport	955.00	Planning Stage	Identified under PPP Airports. In this regard, AAI would incorporate suitable clause in the concessionaire agreement by which AAI investment in CAPEX at Bhubaneswar shall be reimbursed in the from of RAB or as works in progress from the concessionaire.
16	BAGDOGRA	Construction of New Civil Enclave at Bagdogra	Under Finalization	Planning Stage (EIA and Engg. Consultants are appointed) Finalization of Master Plan is in progress in consultation with Planning Dte.	Probable date of Start - Expected Date of Completion-

10.12 FACILITIES TO PERSONS WITH DISABILITIES

AAI has undertaken the concreted efforts to take forward the vision of the Accessible India Campaign by ensuring fully accessible infrastructure for Divyangjans at airports. Ambulift facility was also introduced at AAI Airports to facilitate the passengers with medical emergencies and reduced mobility. Accessibility Standards and Guidelines for Civil Aviation is also prepared and published in public domain before Gazette Notification; which will help in making all Indian Airports more accessible for millions of users.

10.13 WELFARE OF SENIOR CITIZEN

Dedicated “May I Help You” counters are available at 43 AAI Airports. Further, efforts are being made for establishing “May I Help You” counters at remaining AAI airports.

10.14 VIGILANCE ACTIVITIES

Corporate Vigilance Department (CVD) of Airports Authority of India (AAI) is located at Corporate Headquarters at New Delhi whereas, it has its presence at different regions too (Northern, Eastern, Western, Southern & North-Eastern). The role and functions of Vigilance Department is in conformity with CVC’s Vigilance Manual, updated from time to time.

AAI being a service organization, the role & functions of Vigilance Directorate is three pronged – (a) Preventive, (b) Punitive, and (c) Surveillance & Detection. In its preventive role, CVD carries out awareness campaigns wherein it creates sensitivity towards day-to-day matters having scope for malpractices and corruption. These campaigns include Vigilance Awareness Week (VAW), which is an yearly event and Vigilance Awareness programmes

like Workshops, Lectures, Seminars etc. being conducted throughout the year at different locations to achieve the objective of zero tolerance for corruption. In its detective/surveillance role, it plans and carries out surprise, regular and CTE Type inspections to detect the systemic failure and existence of corruption and malpractices, if any. It also scrutinizes the internal audit reports and annual property returns etc. to look for actions with a vigilance angle.

CVD as a part of its proactive role urges various key departments to codify their work procedures and revise their manuals for bringing transparency at workplace and reducing the scope for discretion. CVD on the basis of outcome of deliberations taking place in workshops and field inspections, makes suggestions to the management for systemic improvements on important issues.

10.15 OTHER IMPORTANT ACTIVITIES/ ACHIEVEMENTS DURING THE YEAR 2022

In order to avoid delay in settlement of pension cases, the competent authority has approved that the pension cases of such employees may be processed by generating the revised financial reports/ wage sheets after excluding the component of the said increment from their basic pay, as per the requirement of EPFO.

As a measure for systematic improvement to streamline the process of recruitment and to bring transparency, it has been decided that screening committee for determining the eligibility criteria should be constituted comprising of minimum three officials with two officers from other than Recruitment Cell, HR. Clear guidelines including the responsibilities of the involved officials should be brought out

for the process of document verification and record maintenance thereof for fair and equitable evaluation of eligibility criteria.

Taking into consideration, the situation of COVID-19 in the country, the Management has decided to extend the provision of submitting the life certificate without signed by Gazetted Officer for financial year 2022-23 for retired employees.

Central Vigilance Commission (CVC) has issued instructions from time to time to improve the vigilance administration in the organizations under its purview and to ensure that the posts in the organizations are occupied by persons with exemplary service and clean vigilance track record. Accordingly, a system has evolved over the period, for processing Disciplinary / Vigilance clearance for all serving AAI officials through SAP-ESS Portal and guidelines are issued with the intent

to further streamline the processing of vigilance clearance in Airports Authority of India.

The AAI Management reviewed the Employee Recognition Mechanism in AAI and decided to widen the scope of employee recognition practices in the organization, in order to recognize the sincere efforts, achievements and professionalism of employees. It has been decided to implement a new employee recognition scheme namely "AAI Day Award Scheme" in order to recognize excellence across organization.

To manage the demand capacity imbalance situations during the calendar year 2022, Air Traffic Flow Management (ATFM) Measures were applied on 132 occasions. This resulted in fuel savings of about 2016.92 tonnes amounting to the saving of 6373.46 tonnes of CO₂ emissions approximately.

11 AI ASSETS HOLDING LIMITED & SUBSIDIARIES

11.1 AI ASSETS HOLDING LIMITED (AIAHL)

11.1.1 Introduction

AI Assets Holding Limited is a 100% Government of India (GOI) Company incorporated by the GOI as a Special Purpose Vehicle (SPV) for the purpose of disinvestment of Air India with the objective, inter-alia, to warehouse accumulated working Capital Loans not backed by any asset along with four Subsidiaries AI Airport Services Limited (AIASL), Alliance Air Aviation Ltd. (AAAL), AI Engineering Services Ltd (AIESL) and Hotel Corporation Ltd. (HCI), non-core

assets other non-operational assets of Air India Ltd. The Board of Directors comprises of the Chairman and Managing Director AIAHL and four representatives from the Ministry of Civil Aviation.

11.1.2 Authorized paid up capital

The Authorized Share Capital of the Company is Rs. 70,000,00,00,000 divided into 7000,00,00,000 equity shares of Rs. 10/- each. As on 31 December 2022 the issued, Subscribed & Paid-up Share Capital of the Company was Rs. 62,365,45,00,000 divided into 6236,54,50,000 equity shares of Rs.10 each.

11.1.3 Financial Performance

(Rs. in million)

Particulars	FY 2021-22 Amount (provisional)	FY 2020-21 Amount
Revenue from Operations- Rental Buildings	-	1252.49
Other Income	19941.37	22115.72
Total Revenue	19941.37	23368.21
Total Expenses	30516.03	22740.98
Profit/(Loss) before tax	(10574.67)	627.22
Tax Expense		
1. Current Tax	-	169.16
2. Provision for income tax	-	21.10
Profit/(Loss) for the year	(10574.67)	436.96

During the FY 2021-22, the Company acquired four Subsidiaries of the then Air India Ltd. The Consolidated Financial Statements for FY 2021-22 is under compilation.

11.1.4 Medical Facilities to AI Retirees

GOI decided to extend medical facilities to eligible AI retirees through Central Government Health Scheme (CGHS) and National Health Authority (NHA). CGHS cards are required to be issued to AI retirees to enable them avail medical facilities. Accordingly, OutPatient Department (OPD) facilities through CGHS Wellness Centre have been extended to the beneficiaries and the company is in the process of providing Indoor Patients Department (IPD) facilities to the beneficiaries.

11.1.5 Disinvestment

GOI has initiated disinvestment exercise for 3 subsidiaries of the Company. DIPAM conducted many Roadshows with investors before going public. Based on feedback received from prospective investors a PIM (Preliminary Information Memorandum) for AIESL & AIASL is expected to be released by Jan 2023.

11.1.6 Manpower

The Company has recruited essential minimum manpower to manage the day-to-day activities. There are 13 regular employees as on the date on payroll other than employees on deputation from subsidiaries/Manpower Providers.

11.1.7 Asset Monetization

Air India under Restated Framework agreement dated 05 Jan 2022 transferred noncore assets to AIAHL for monetization. In this regard, AIAHL has taken several initiatives for monetization of assets.

- a. Constitution of Oversight Committee to oversee the process of valuation, maximization of revenue generation from monetization of assets.
- b. E-auction conducted for 10 units of properties located at New Delhi, Mumbai, Kolkata and Chennai.
- c. Transferred title of 5 properties (Asian Games Village Complex) located in Delhi from AI to AIAHL
- d. Monetization of other properties are in the process

11.1.8 SC/ST/OBC representation in each group in AIAHL

In AIAHL DoPT directives are followed while making recruitment. In all the selection committees, a member from SC/ST/OBC community is also nominated. Currently AIAHL have only 13 Fixed Term

Employees on its rolls. Out of 13, only 01 employee belongs to SC community.

11.1.9 Woman Welfare

The Company takes care of the Special needs of the woman employees at work place, which include safe work environment, leaves and other facilities. As per the provisions of Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 and rules framed thereunder, the Company has in place, a committee for prevention, prohibition and redressal of Sexual harassment at work place.

11.1.10 Subsidiary Companies

During the FY 2021-22, pursuant to the disinvestment of the Air India Limited, the shares of its Subsidiaries were transferred to AI Assets Holding Limited.

The following are the subsidiaries of the Company:

1. AI Airport Services Limited
- Wholly Owned
2. AI Engineering Services Limited
- Wholly Owned
3. Alliance Air Aviation Limited
-Wholly Owned
4. Hotel Corporation of India Limited - Company holds 80.38% Equity shares of Hotel Corporation of India Limited and remaining 19.62% Shares are held by the President of India

11.1.11 Steps taken to improve Public Grievance Redress Machinery.

AIAHL has designated a nodal Officer for handling and timely disposal of Public Grievances. He has also been designated as PIO under RTI Act, 2022 to ensure timely disposal of RTI queries received by the Company.

11.1.12 Details concerning activities and achievements of Vigilance Department

Vigilance Department, AIAHL is being headed by Chief Vigilance Officer Sh. Amal Garg (IRS: Batch 1995). Vigilance Department has been working towards making Anti-corruption measures more effective with Preventive Vigilance as a key thrust area. Vigilance Department has been encouraging organizations to bring about systemic improvements, leverage technology and updating and streamlining procedures and guidelines on a continuous basis.

Vigilance Department has been carrying out preventive vigilance activities proactively by imparting trainings and organizing workshops from time to time. This is required to build up the capacity of employees so that they do not commit common mistakes in routine work which at times result in vigilance actions.

In order to discourage the corrupt practices, Vigilance Department is proactively carrying the inspections of vulnerable areas which are sensitive in nature. With timely disposal of cases Vigilance Department has made a concerted effort for evolving and applying common standards in deciding cases involving lack of probity and integrity in public life.

Vigilance Department observed the Vigilance Awareness Week 2022 with CVC theme- "Corruption Free India for a Developed Nation", in all subsidiaries. Integrity pledge was administered by all officials throughout the network. Organizations were instructed to give wide publicity and generate maximum awareness about the importance of being vigilant and making it their way of life. Special emphasis was laid on the six focus

areas pointed out by the Commission for its three-month campaign of Housekeeping Activities.

11.2 AI AIRPORT SERVICES LIMITED (AIASL)

11.2.1 INTRODUCTION

AI Airport Services Limited (AIASL) was operationalized in February 2013 and commenced its autonomous operations from F.Y 2014-15. The Company since its stand-alone operationalization has been a profitable company excepting the FY 2020-21. During the FY 2020-21, the operations of the Company were majorly affected due to the advent of the COVID-19 pandemic, however, in Financial Year 2021-22, the Company earned a profit of Rs.153.27 Million.

AIASL has the largest ground handling presence for providing ground handling and related services at 109 airports in India, including serving the highest altitude snow-clad airport at Leh, the desert airfield at Jaisalmer, Island airports in Agatti & Port Blair, and table-top airport at Calicut over the complete network.

AIASL has the largest fleet of Ground Support Equipment (GSE) and expertise and experienced resources of manpower, capable to render Ground Handling (GH) services covering all types of passenger & freighter aircraft up to A380.

11.2.2 PERFORMANCE OF THE COMPANY

Financial

During 2021-22, the total revenue of the Company was Rs. 6,214.48 million as against total restated revenue of Rs. 3,405.45 million during 2020-21. The total expenses were Rs. 6,233.89 million as against restated expenses of Rs. 5,501.54 million during 2020-21. Loss

incurred before tax during the year ended 31st March, 2022 was Rs. 19.41 million against the restated figure of Loss before Tax of Rs 2,096.09 million during 2020-21. The Net profit incurred during the period was Rs.153.27 million as against the restated Net Loss of Rs.1,900.28 million during 2020-21.

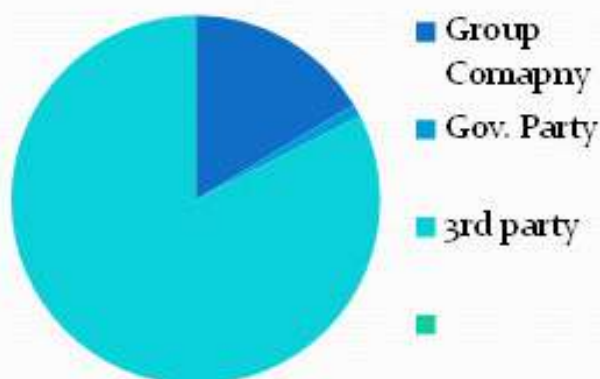
Further financial Performance for the period from 01.01.2022 to 31.12.2022 duly supported by the chart is given below:

A. Accounts Receivable(AR-Revenue)

Revenue status :

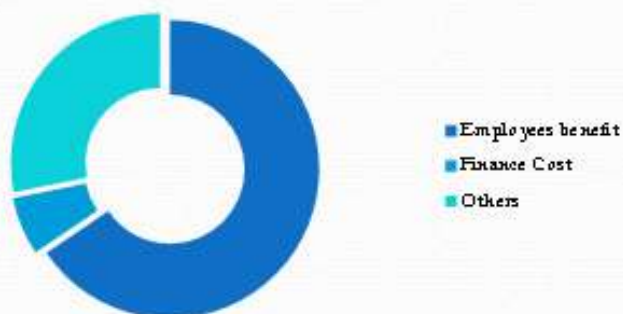
Customer group	Revenue
Group Company	178.47 cr
Gov. party	12.19 cr
3rd party	897.96 cr
Total	1823.85 cr

Sales



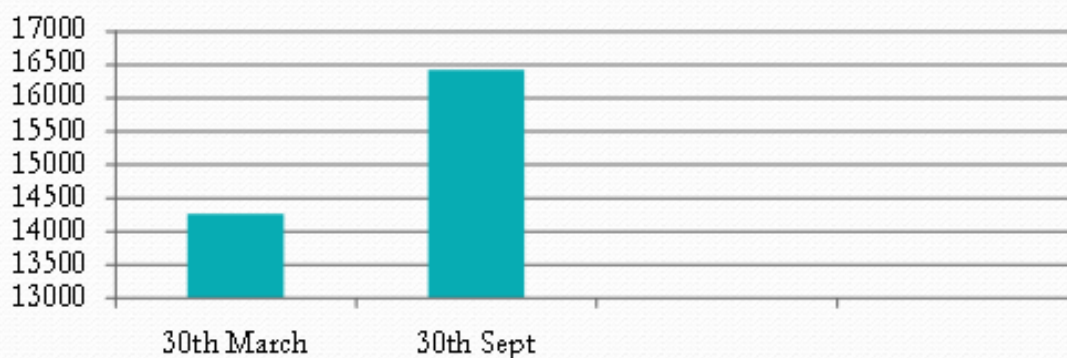
Major expenses of AIASL

Party Name	Major expenses
Employees benefit expenses	1240.68 cr
Finance Cost	119.18 cr
Others	533.90 cr
TOTAL	1893.7 cr



Shortage of staff was also big challenge for us in past, which we have overcome by employing more than 2000+ employees in past few months to give quality service and on time performance.

Increase in employees strength from 30th March 2022 to 30th Sept 2022



***Provisional and unaudited figures from 01.01.2022 to 31.12.2022**

Operational

AIASL handled 103277 flights (AI Group Flights & Alliance Air) during the calendar year i.e. 01.01.2022 to 31.12.2022. Similarly, AIASL handled 89182 flights of Scheduled Client Airlines during the calendar year i.e. 01.01.2022 to 31.12.2022, and also handled 14386 flights of Non-Scheduled Operators & 115 Flights for HAJ operation during the calendar year i.e. 01.01.2022 to 31.12.2022.

In the current scenario with disinvestment of Air India, Ground handling (passenger, ramp, and cargo) is also provided for 07 Indian schedule airlines (including AI Group – Air India & Air India Express flights); 05 Regional Airlines (including Alliance Air flights); 02 domestic cargo airline; 59 foreign scheduled airlines, 05 seasonal charter airlines, and 22 foreign airlines availing (APEDA) perishable cargo handling apart from Non-Scheduled handling.

AIASL manages and operates cargo warehouses at both Mumbai and Chennai

Airports. These facilities are being used by most of the Client Airlines, including Air India Limited and Air India Express Limited. These cargo warehouse handling rights have been passed on to AIASL by Air India, prior to its disinvestment. This was the part of the strategic transfer of its business by Air India, much before its disinvestment and after creating fully owned subsidiaries such as AI Airport Services Limited (Formerly known as Air India Air Transport Services Limited) for transferring all its Ground Handling Activities as per Ground Handling Regulation of 2018, and other business activities such as operating and managing of "Cargo Warehouse" at Mumbai (BOM) and Chennai (MAA).

Additionally, AIASL also provides cabin cleaning, deep cleaning, and cabin dressing services besides undertaking repairs of aircraft Unit Load Devices (ULD) and meal carts.

Further Airports Authority of India vide its notification disallowed the unauthorized handling agencies to perform ground

handling at all the airports effective 1st July 2021. AIASL has extended its coverage at the request of AAI Headquarters after the legal cases have come to a conclusion in the month of November, 2022.

AIASL is privileged to handle the VVIP flights of the Hon'ble President, Vice President, and Prime Minister of India as AIASL has been appointed as the sole handler by the Indian Air Force for the handling of SESF/VVIP flights at all Indian domestic and International airports (including civil enclaves, and defense airports). It also handles all flights on behalf of defence forces at all airports like IAF, BSF, Indian Navy, DRDO, HAL, NSG etc.

AIASL has also been recognized as a valued member and admitted in International Air Transport Association (IATA) Ground Handling Partnership Programme in the year for 2022.

11.2.3 ACTIVITIES OF AI AIRPORT SERVICES LIMITED

AIASL offers Comprehensive Ground Handling services to its Group Company Alliance Air Aviation Limited and Client Airlines at various airports in India.

AIASL presently has a presence at 79 airports and arranges the ground handling services at additional 30 airports on request. Besides, AIASL also offers Ground Handling services at Defence Enclaves (Airports) for all defense aircraft.

The services can be majorly identified as:

- Passenger Handling / Ramp Handling / Cargo Handling / Cabin Services / Station Management/
- Cargo ware house handling at BOM & MAA as at present and any other airports in the future.
- Fabrication and repair of ULDs (Unit

Loading Devices) & Meal cart repair workshop at HQ, IGI Airport- Delhi.

- Security Manpower Services for Air India.
- Engineering services through AESL.
- Ground Handling Services to Subsidiary Companies – Alliance Air Aviation Ltd & AI Engineering Services Ltd.
- Non-scheduled flights Handling of Domestic & International Private Charter flights - PAN India basis.
- Special Extra Session Flights (SESF) of Indian Air Force (IAF) – Domestic & International.
 - o Non-SESF Domestic Handling of Govt. Agencies (Indian Air Force, Indian Navy, Border Security Forces, NSG Charter) etc.
 - o HAL – AIASL Joint Working Group at Bengaluru, HAL Airport.

11.2.4 Pollution Control

- a. All the equipment are checked for pollution control
- b. Purchase of all new equipment are carried out complying the BS VI norms.
- c. Battery / used Oils are disposed as per the Hazardous waste disposable guidelines & to authorized agencies.
- d. Disposal of used papers for recycling is in process.

11.2.5 Women's welfare including gender budgetary data –

Out of total staff as on 14850 staff engaged on Fixed Term basis / Temporary basis, count of males is 12941 and that of females is 1909 and out of 783 staff transferred from Air India (permanent staff), count of males is 772 and that of females is 4.

The Company takes care of the special needs of the women employees at work place, which include safe work

environment, rest room, leave & other benefits.

There is a mechanism to prevent sexual harassment at work place in line with THE SEXUAL HARRASSMENT OF WOMEN WORKPLACE (PREVENTION, PROHIBITION AND REDRESSAL) ACT, 2013 which has been implemented in AIASL. Complaints Committees for investigation of complaints & prevention of sexual harassment of women employees of AIASL, have been constituted at the Corporate level.

11.2.6 Steps taken to improve public grievance redress machinery:

Mainly the public grievance is received from the staff which is affected due to non-receipt of full & final settlement or issues in PF withdrawals after separating from the company. These grievances are miniscule and few. Directions have been issued to concerned IR & HR Divisions and Payroll teams to complete the full & final settlement systematically. PF Cell has been advised to address the grievance of PF withdrawals urgently. PF Cell which was short staffed has been given additional and dedicated manpower for the same and now the joint declaration, death claims, and final withdrawals are being addressed immediately. Many meetings in this regard were held with EPFO Commissioner in Bandra Office, Mumbai, wherein Dy.GM-GH (O) & OSD-HR & AGM-HR HQ along with the whole team of PF, attended to discuss and sort out the long-term pending issues. AIASL is pleased to inform that many such grievances are now addressed due to visits and meetings with the Commissioner of EPFO, Bandra, Mumbai.

Consequent to the Disinvestment of Air India Limited and the dissolution of the Indian Airline Provident Fund Trust and Air India Provident Fund Trust, that were being independently run by these two

Trusts on behalf of Air India Limited for all the Permanent employees working in Air India and its subsidiaries companies including AIASL, the PF amounts have been transferred to the EPFO in line with the AI disinvestment process decision. There were lots of teething problems in connection with this transfer concerning all permanent employees in general and the employees who were retiring within 12 months of such transfer of EPFO. Most of the grievances were in respect of these employees, who were retiring within 12 months and, EPFO was not geared up to deal with such issues (which were predominately specific to Air India Limited). However, after having a detailed discussion with the EPFO officials, these matters are being resolved amicably to the satisfaction of the employees. We assured that all these Grievances in respect of these issues will be resolved at the earliest.

11.2.7 SC/ST and OBC representation as on 31.12.2022:

Out of a total 14850 staff (Fixed Term Contractual basis and Temporary engagement basis), number of staff engaged on Fixed Term contractual basis is 12843 and number of staff engaged on temporary / retired is 2007. Staff engaged on fixed term contractual basis is recruited through the open market as per the requirement at the station through publication in the leading English and local newspapers and publication on the company websites of AIASL and AIAHL. Strict Roster pattern is followed while conducting these recruitment exercises.

Details of representation of SC/ST and OBC in respect of these Fixed Term staff, in short, is as given below. Category wise summary is as given in the attached chart.

EWS	GEN	OBC	SC	ST	Total
4	6721	2952	2731	435	12843

Details of representation of SC/ST and OBC in respect of permanent transferred staff, in short, is as given below.

General	OBC	SC	ST	Grand Total
393	102	209	72	776

11.2.8 Issues relating to development activities taken in the North East

Under the UDAN Scheme, the existing/new Airports have been inaugurated in the North East states/regions. Alliance Air is also deploying their Flights to operate into these newly opened-up airports besides expanding to other existing Airports in the Northeast region.

AIASL started recruiting human resources from the local areas of North East states/

regions for the handling of such flights in these stations instead of deploying the people from Kolkata, which is regional H.Q of AIASL.

11.3 AIR INDIA ENGINEERING SERVICES LIMITED

11.3.1 Financial Performance AI Engineering Services Limited (AIESL)

During the financial year 2021-22, there has been a turn around of financial performance as the company earned highest ever revenue amounting to Rs. 1907 crores and consequently, highest PBT of Rs. 575 crores and PAT of Rs. 837 crores. Brief details of the same along with comparatives for the previous year are given below:

(Rs. In Crores)

Particulars	Financial Year ended 31.03.2022	Financial Year ended 31.03.2021 (restated)
(A) Total Revenue	1906.52	1185.54
(B) Total Expenses	1331.24	1202.27
(C) Profit (Loss) before tax	575.28	(16.73)
(D) Tax Expense:		
(i) Current Tax	(58.45)	-
(ii) MAT credit	58.32	-
(iii) Deferred Tax Income	261.97	-
(E) Profit after tax	837.12	(16.73)
(F) Other Comprehensive Income	6.86	21.52
(G) Total Comprehensive Income	843.98	4.79

11.3.2 Non-Financial performance AIESL

As regards, non-financial performance, in FY 2021-22, the Company handled around 400 aircraft. AIESL provided Line Maintenance Services to AIL Fleet along with various international operators namely, Jazeera Airways, OMAN Airways, Malaysian Airlines, Kuwait Airways, Tiger

Scoot, China Airlines, Malindo Airlines, Egypt Air etc. and Indian operators including Air Asia India, Go Air, SpiceJet, Fly Big, TATA Vistara.

The Company is providing MRO services to Defence as well private sector operators, wherever AIESL is having the capability. AIESL also carried out base maintenance work for Domestic operators namely – Air

Asia India, TATA SIA Airlines, SpiceJet, Go Air, Indigo Airlines in 2021-22. In addition, AIESL carried out major maintenance work for Aviation Research Centre (ARC), Indian Air Force, Indian Navy, Indian Coast Guard and HAL. In 2021-22, AIESL undertook maintenance of private party's aircraft like – Reliance RCDL, Taj Air Charters, Zoom Air, Club one Air and Blued art Aircraft. In addition to this AIESL inked agreement with DRDO for maintenance of their A319 & A320 aircraft. As a part of Atmanirbhar Campaign, AIESL has collaborated with Boeing Defense for the Maintenance, Repair & Overhaul on key Boeing defense platforms in India including the P8I operated by Indian Navy.

During the year 2021-22, AIESL has signed /renewed SGHAs (Standard Ground Handling Agreements) with TATA SIA, Air Asia Berhad, Air India Limited, Thai Smile, Malaysian Airlines Berhad, TATA SIA (for Kathmandu Station), Manta Aviation, Air Asia India.

At present, AIESL is having approval from 13 foreign Civil Aviation authorities namely EASA, FAA, Qatar, Kuwait, GACA (UAE), CAA Singapore, CAA Srilanka, CAA Nepal, CAA Thailand, CAA Malaysia, CAA of Bangladesh and PACA Oman. AIESL has applied for approval of CAA of Egypt.

AIESL Northern Region has undertaken capability enhancement for CFM LEAP1A aircraft checks & looking forward to future demands. Similarly, in Western Region of AIESL, agreement for Phase1 check of Pratt & Whitney engines was completed for PW1100 engines of Airbus NEO aircraft. In Nagpur MRO, Engine Test Cell has acquired approvals from EASA & FAA for testing of GENx & GE90 engines. The

GENx engines requires a QT (Quick Turn) maintenance check, at Nagpur MRO, we have carried out 4 QT checks.

In other Regions like Southern Region and Eastern Region capability enhancement has been undertaken considering the future demands of ATRs and NEO aircraft which would be operated by Airlines in future.

11.3.3 AIESL Future Plans:

The company is planning to improve revenue generation by way of providing MRO services pertaining to existing capabilities to third parties (through aggressive marketing) and acquiring new Capabilities. AIESL plans to acquire EASA & FAA Base Maintenance Capability to capture Aircraft Redelivery Business. It intends to expand on its MRO Services to the Defense sector such as DRDO/ IAF/Indian Navy. AIESL has already signed Long Term Maintenance Agreement with DRDO for their fleet of A319 aircraft. In addition to this AIESL intends to acquire base maintenance capability of B737 Max Aircraft. AIESL has also plans to collaborate with OEMs for conversion of Commercial Aircraft to Defense Mission aircraft. The company is in talks with OEM/STC holders for Passenger-to-Freighter Conversion of Narrow Body & Wide Body Aircrafts. AIESL is also exploring the business avenues in aircraft teardown & part harvesting business.

As a part of capability enhancement, AIESL is planning to acquire EASA certification for Narrow Body Landing Gear Overhaul Capability & CFM56-5B engine overhaul capability. Company has plans to upgrade ATEC shop to service various components of A320 Neo Family Aircraft. AIESL also intends to provide maintenance support for P8I aircraft of Indian Navy including Engine Overhaul, Landing Gear Overhaul & Component Overhaul, for which company has already applied for DGAQA approval.

11.3.4 SC/ST and OBC representation as on 31.12.2022

CATEGORY	TOTAL IN PERCENTAGE
General	50.86
Other Backward Caste	24.18
Scheduled Caste	18.97
Scheduled Tribe	6.00
Grand Total	100.00

11.3.5 Vigilance Awareness Week Workshops and Programs.

A. Undertaken e-Pledge: During the Vigilance Awareness Week from 31-10-2022 to 06-11-2022 with a theme "Corruption Free India for a Developed Nation". All the employees of AIESL took pledge which was administered by CMD to the CEO etc. at 11.00 am on 31-10-2022.



Conducted workshops/sensitization programmes on "Corruption Free India for a Developed Nation".

B. Swachhta Campaign till 31-10-2022.

1. Sensitization of Officers and mobilization of ground functionaries for Campaign.
2. Identification of Pendency.
3. Special Campaign to improve Records Management.
4. Cleanliness drive

C. Women's Day Celebration on 08-03-2022 along with the speech: As women rule almost in every field of life and work at par with men. We cannot deny, that be it at home or at work, they do it all with so much zeal and ace in each one of it in their own way

D. Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013 (Sexual Harassment Prevention Act): - Training for Women was organized on 10th August 2022 to create a safe



working environment at the workplace (which includes a safe environment for employee interaction internally as well as with outsiders). Creation of an Internal Complaints Committee.

11.4 ALLIANCE AIR AVIATION LIMITED (AAAL)

11.4.1 INTRODUCTION

At the advent of the Financial Year 2021-22, Alliance Air Aviation Limited was a wholly owned of Air India Limited. However, due to the disinvestment of Air India Limited, Alliance Air Aviation became a wholly owned subsidiary of AI Assets Holding Limited w.e.f 25 January 2022. Presently, Alliance Air Aviation Limited is a wholly owned subsidiary of AI Assets Holding Limited, which operates under

brand name Alliance Air, commenced operations from 15 April 1996. Alliance Air Aviation Limited (formerly known as Airline Allied Services Limited) is one of the leading International regional airlines in the country providing connectivity to Tier II & Tier III cities in India.

The Company current has a fleet of 21 Aircraft consisting of 18 ATR-72 600 Aircraft, 2 ATR-42 600 Aircraft and 1 Dornier DO-228 Aircraft. The existing fleet is deployed to operate about 134 departures every day over a network of 56 stations.

Regional Connectivity Scheme (RCS)

With the introduction of Regional Connectivity Scheme (RCS), "UdeDeshkaAamNagrik" (UDAN) by the Government, a number of new routes to



Launch of Hollongi Airport



Launch of Keshod Airport

unserved and underserved airports have been opened for Alliance Air. Effective 27th April 2017, Alliance Air was the first airline to commence flights on Shimla/Delhi sector under the scheme which was flagged off by Hon'ble Prime Minister of India.

Till Date, Alliance Air has commenced 99 routes out of 129 routes awarded to it

in RCS UDAN 4.3 rounds. All efforts are being made to commence flights on the remaining routes subject to airports being made operational for ATR-72 600/ATR-42 600 type of aircraft.

Alliance Air also won Wings India 2022 Award for Active Participation under RCS -UDAN scheme of Government of India.

11.4.2 PERFORMANCE

Financial Performance

Parameters	FY 21-22	FY 22-23 (Upto December)
Total revenue (INR Cr)	724.11	797.02
Total expenses (INR Cr)	1171.50	1241.45
Profit/Loss (INR Cr)	(447.39)	(444.43)

Physical Performance

Parameters	FY 2021-22	FY 2022-23 (upto December)
Yield/Pax	₹ 3,543	₹ 3,685
Revenue Pax	1.08 Million	1.21 Million
Seat factor	65%	70%
OTP	82%	80%

11.4.3 Women's Welfare including gender budgetary data

The company has formulated Sexual Harassment committee to ensure protection and justice to women at workplace against sexual harassments. Women's Day is celebrated every year to grow awareness among women regarding their welfare.

11.4.4 Steps taken to improve Public Grievance Redress machinery

Two dedicated nodal officers have been positioned to ensure timely redressal of the grievances received through Air Sewa

Portal and PG portal (monitored and controlled by Ministry of Civil Aviation)

11.4.5 SC/ST and OBC representation as of 31.12.2022

Strength of SC/ST and OBC as of 31.12.2022 : SC-124, ST-43, OBC-170

11.4.6 Facilities to Persons with Disabilities

Offers equal opportunity for employment.

11.4.7 Citizen Charter

Nodal Officers have been appointed to ensure timely redressal of the grievances on PG Portal and Air Sewa Portal.

11.5 HOTEL CORPORATION OF INDIA LIMITED (HCI LTD.)

11.5.1 INTRODUCTION

Hotel Corporation of India, a subsidiary of erstwhile Air India Limited, and now AI Assets Holding Limited effective January 27, 2022, was incorporated in the year

1971. Presently HCI operates two Hotels, in Delhi & Srinagar, under the 'Centaur' brand.

The Centaur Hotel, Delhi is located in the vicinity of IGI Airport and situated close to the business districts of Aerocity and Gurugram. The hotel was inaugurated



in the year 1982.

The Centaur Lake View Hotel, Srinagar is located on the banks of Dal Lake, offering splendid and picturesque views of Zabarwan hills. The hotel was inaugurated in the year 1984.

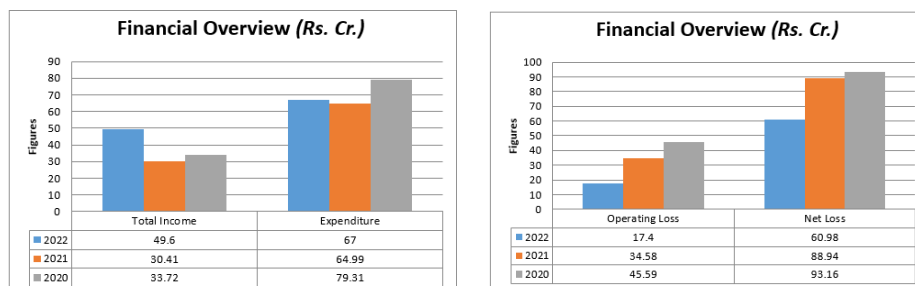


HCI also operates two flight Kitchens under the “Chefair” brand. Chefair Mumbai started operations in the year 1969 while Chefair Delhi was established in 1971. Additionally, Chefair, New Delhi operates the two Air India Lounges at T3, IGI Airport, New Delhi.

11.5.2 PERFORMANCE

Financial Overview:

The lockdowns and travel restrictions imposed in March 2020, April 2021 and February 2022 for varying periods during the ongoing pandemic, severely affected the hospitality business



across the world and HCI has been no exception.

Buoyed by the re-opening of the commercial air travel in March 2022, the Company saw a steady increase in revenues and led to an overall improvement in financial performance. The Company was close to achieving operational break-even status in Q2 this year (April-June 2022) which was cut-short by the sudden sealing of the Centaur Lake View Hotel Srinagar on June 14, 2022 by the UT of J&K and the irrevocable 99-year lease with the Company was terminated. The Hon'ble HC of Srinagar has ordered that the dispute be resolved through the prescribed Govt. Redressal Mechanism. In the meanwhile, given that the 160 odd serving employees of the hotel are being paid their monthly salaries even when there is no earnings from the hotel since the past 6+ months, the Company now finds itself in an acute adverse cash flow situation.

Given the above predicament, the Company is taking all necessary measures to explore opportunities to enhance topline and minimize costs by rationalizing resources.

11.5.3 SC/ST and OBC representation as on 31.12.2022:

Group	Total Employees	SC employees	ST Employees	OBC Employees
A	40	8	5	3
B	65	10	2	5
C	300	36	17	76
D	202	45	12	20
Total	607	99 (16.3%)	36 (5.93%)	104 (17.13%)

11.5.4 Steps taken to improve Public Grievance Redressal Machinery:

All Public Grievance applications received are responded as per the guidelines.

12. PAWAN HANS LIMITED

12.1 ORGANIZATION

Pawan Hans Limited was incorporated in October, 1985 (under the name of 'Helicopter Corporation of India Limited') under the administrative control of Ministry of Civil Aviation with the primary objective of providing helicopter support services to the Oil & Gas sector in offshore exploration, operate in hilly and inaccessible areas, make available charter flights for promotion of travel and tourism, setting up of Training Institute of AME, pilots, operation of Sea Plane and setting up of specialized Institute for Safety Audit and Excellence and development of Infrastructure such as Heliports and Helipads. The Registered & Corporate Office of Pawan Hans is located at Noida and its Regional Offices are at Mumbai and New Delhi.

12.2 CAPITAL AND ORGANIZATION STRUCTURE

The authorized and paid up share capital of the Company is Rs.560 crores and Rs.557.482 crores respectively. The ratio of shareholding of President of India and ONGC Ltd. is 51:49. Net worth of PHL as on 31.03.2022 is Rs.970.00 crores. The equity shares of PHL have been

admitted in the depository system of National Securities Depository Limited (NSDL) thereby enabling shareholders of the Company to dematerialize their share certificates. 1,95,050 equity shares of Rs.10,000/- each held by President of India have been dematerialized. The remaining equity shares i.e. 89,259 held by President of India are in physical form.

The Board of Directors of Pawan Hans comprises of Chairman & Managing Director and other 6 part-time directors [JS&FA-MOCA, Director (Offshore)-ONGC and ACAS (T&H)-Air Force] including three Independent Directors.

12.3 FLEET PROFILE

Pawan Hans is one of Asia's largest helicopter operators having a well-balanced own operational fleet of 46 helicopters including 1 ALH/Dhruv and 04 Sikorsky S-76D helicopters on lease at present with pan India presence.

Pawan Hans announced signing of agreement for the leasing of 6 Sikorsky S76D helicopters from M/s Milestone Aviation Group Ltd, at Wings India event in Hyderabad on 24.3.2022

The Company's operational fleet as on 31.12.2022 comprises of the following:-

Helicopter type	No. of helicopters	Average Age (years)
Dauphin SA365N	17	35
Dauphin AS365 N3	14	14
Bell-407	3	20
Bell 206L4	2	18
AS 350 B3	2	12
MI-172	3	14
ALH/Dhruv (on lease)	1	17
Sikorsky S-76D (on Lease)	4	9
Total	46	



Five Dauphin SA365N Helicopters having vintage of over 35 years which have been grounded since long due to obsolescence and have been approved as impaired Assets” by the Board.

12.4 FLEET DEPLOYMENT

Off-shore Operations

Pawan Hans is providing helicopter Transport Services for offshore operation of ONGC for carrying its men and vital supplies round the clock to drilling rigs situated in “Bombay High” off-shore platforms. At present 5 Dauphin N3 helicopters on contract with ONGC for production task.

On-shore Operations

The Company is providing helicopter services to several State Governments namely, Mizoram, Maharashtra, Tripura, Sikkim, J&K, UT of Daman & Diu, Administration of Andaman & Nicobar Islands, Lakshadweep Islands, UT of Ladakh and CRPF. The Company is also providing helicopter services to corporate such as NTPC and for Charter services.

Passenger Services

Pawan Hans runs the helicopter services

from Phata to the Holy Shrine of Kedarnath during the May-June and September-October seasons every year. During the year under review, Pawan Hans operated helicopter services for Shri Amarnathji Shrine from Srinagar to Neelgrath/Pahalgaon.

12.5 STRATEGIC DISINVESTMENT PROCESS OF PAWAN HANS

Government of India decided for strategic disinvestment of its entire 51% shareholding in Pawan Hans Limited along with transfer of management control which is in progress and a Consortium of three members (namely Star9 Mobility Pvt. Ltd.) was declared as highest bidder on April 29, 2022.

12.6 HUMAN-RESOURCES DEVELOPMENT

The total manpower of the Company as on 31st December 2022 was 584 (with 270 permanent employees and 314 contractual employees) which comprise of 101 pilots, 67 Aircraft Maintenance Engineers, 58 Executives, 142 Technicians and 199 other technical and non-technical employees as against 612 as on 31st December 2021.

12.7 SAFETY MEASURES

The Company is pursuing safety in its operations and maintenance activities as a continuous process. Third party Safety (SMS) audits by Global Domain Experts are carried out as per requirement. Safety Policy of the Company has also been revised to include safety as a core activity of the Company.

12.8 FINANCIAL PERFORMANCE

Financial Results

(Rupees in Lakhs)

Particulars	2021-22 Amount	2020-21 Amount
A) Revenue from Operations	38512.77	37237.48
B) Other Operating Income	2054.21	1159.45
C) Total Operating Income	40566.98	38396.93
D) Operating Expenditure		
i) Helicopter Operation & Maintenance expenses	12395.07	13031.46
ii) Employees Benefits expenses	15909.13	17330.55
iii) Other Expenses	3541.32	5788.78
Total	31845.52	36150.79
E) Operating Profit/(Loss)	8721.46	2246.14
F) Other Non-Operating Income/ (Expenditure)		
i) Other Income	654.14	1721.87
ii) Finance Cost	(545.38)	(195.69)
iii) Depreciation & Amortization	(9338.07)	(6599.20)
Total	(9229.31)	(5073.02)
G) Net Profit/(Loss) before Tax	(507.85)	(2826.88)
H) Net Profit/(Loss) before Tax from Discontinued Operation	(498.27)	(484.12)
Total	(1006.12)	(3311.00)
I) (i) Deferred tax Assets/(Liabilities)	(860.14)	1255.89
(ii) Minimum Alternate Tax	-	(90.00)
J) Net Profit/(Loss) after tax	(1866.26)	(2145.11)

Dividend

Due to losses incurred during the year 2021-22, PHL has not paid any dividend for the year under review.

12.9 NEW INITIATIVES

PHL successfully launched the helicopter services in Himachal Pradesh and Uttarakhand in 2019 and 2020 respectively

and subsequent new routes were added during 2021 and 2022. The routes are as under:-

1. Chandigarh-Shimla-Chandigarh (Six days a week) w.e.f. 28-02-2019.
2. Shimla-Kullu-Shimla w.e.f. 13.05.2019. Further extended to Shimla-Mandi-Kullu-Mandi-Shimla w.e.f. 10th December, 2021(Thrice a week).

3. Shimla-Dharamshala-Shimla w.e.f. 14.05.2019. Further extended to Shimla-Mandi-Dharamshala-Mandi-Shimla w.e.f. 9th December, 2021 (Thrice a week)
4. Dehradun - New Tehri - Srinagar-Gauchar - Srinagar - New Tehri-Dehradun (Thrice a week) w.e.f. 29.07.2020.
5. Shimla-Rampur-Shimla w.e.f. 9th December, 2021 (Thrice a week).
6. Dehradun-Gauchar-Dehradun w.e.f. 8th October, 2021 (Six days a week)
7. Dehradun-Srinagar-Dehradun (Thrice a week)
8. Dehradun-Haldwani/Pantnagar-Pithoragarh-Dehradun w.e.f. 8th October, 2021 (Six days a week)
9. Dehradun-Haldwani/Pantnagar-Almora-Pithoragarh-Almora-Pantnagar/ Haldwani-Dehradun w.e.f. 26th August, 2022.

Governments of Himachal Pradesh, Uttarakhand, Karnataka and Tamil Nadu have engaged the services of PHL for providing Project Management Consultancy for developing and licensing / operational authorization of the heliports under development in their respective States.

Further, MoCA has designated PHL as the nodal agency for Centralized Procurement of all equipment including Communication, Security, Visual Aids and Fire fighting for all the 31 heliports under development across the five States of Himachal Pradesh, Uttarakhand, Manipur, Assam & Arunachal Pradesh under RCS UDAN-II'.

PHL has signed an MOU with RGNAU (a Central University) for offering B. Sc. (Hons.) in Aircraft Maintenance along with DGCA approved AME course.

12.10 AWARDS

Awards received by PHL during the year are:

1. On the occasion of celebration of UDAN Utsav at Jharsuguda on 2.12.2021, a Certificate of Appreciation as Champion of UDAN was awarded by Hon'ble Minister of Civil Aviation and Hon'ble Minister of State of Civil Aviation.
2. Award for Best Helicopter Operations 2021 was awarded to PHL by Hon'ble Minister of Civil Aviation during the 13th International Conference cum Awards, Civil Aviation & Cargo organized by ASSOCHAM on 28.02.2022.
3. Pawan Hans had been awarded Best Airlines/Helicopter Operator Category under UDAN by FICCI during Wings India 2022 at Hyderabad & Award was given by Hon'ble Minister of Civil Aviation.

12.11 EMERGING SCENARIO

Pawan Hans Limited is the largest helicopter Company in India and its operating and maintenance standards are of a high order. Pawan Hans's relentless pursuit continued in achieving excellence by effecting all round improvement in safety and performance.

Pawan Hans Limited has developed first time, a vision document "Strategic Corporate Plan: 2020" and New Business Plan 2027. However, in view of proposed strategic disinvestment, the plan is presently on hold due to disinvestment process. Accordingly to facilitate the disinvestment process, Pawan Hans has got a six year Business Plan 2021-2026 prepared from ASCI.

12.12 SWACHH BHARAT MISSION

Pawan Hans celebrated the MoCA sponsored Swachhta Pakhwada during the period from 2nd October to 31st October, 2022. During the period various activities were undertaken such as display of banners, posters for creating awareness on Swachhta.

12.13 IMPLEMENTATION OF POLICY STATEMENT FOR ABATEMENT OF POLLUTION.

Pawan Hans is endeavoring to maintain a pollution free environment and has been planting trees around its office premises in Noida, Delhi and Mumbai.

Shri Sanjeev Razdan, CMD, alongwith other PHL officials planted 75 trees in Mahamaya Balika Inter College, Noida(UP) on 7.6.2022 during tree plantation drive as part of the Azadi Ka Amrit Mahotsav.

12.14 WOMEN WELFARE

As per provisions of Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 and the rules framed there under, the Company has in place, a Committee for prevention prohibition and redressal of sexual harassment at workplace.

12.15 STEPS TAKEN TO IMPROVE PUBLIC GRIEVANCE REDRESSAL MACHINERY

Pawan Hans mainly has long term contracts with selected customers like ONGC, State Governments and PSUs etc. Therefore complaints received are minimal and are being dealt with promptly within the stipulated time. Pawan Hans has a prescribed public grievance procedure including CPGRAMS to settle any public grievance. Further there exists a Public Grievance Redressal Machinery dealing with the complaints by Nodal Officer at Corporate Office and Grievance Officer at Regions.

12.16 REPRESENTATION OF SC/ST AND OBC AS ON 31.12.2022

Name of Organisation	Total No. of Empls.	Total SC Empls.	Percentage (%) of SC Empls.	Total ST Empls.	Percentage (%) of ST Empls.	Total OBC Empls.	Percentage (%) of OBC Empls.
Pawan Hans Ltd.	270	45	16.67	25	9.26	27	10

12.17 HELICOPTER SERVICES IN THE NORTH EAST

Pawan Hans Ltd. is providing helicopter services to several State Governments namely Mizoram, Tripura and Sikkim.

12.18 VIGILANCE

The Company has a Vigilance Department headed by Chief Vigilance Officer. As per CVC's guidelines, e-tendering, e-ticketing, e-payment and file tracking have been implemented. To ensure transparency in procurement an integrity pact has been signed with Transparency International

India in Nov 2011. The Whistle Blower Policy of the Company has been approved by the Board of Directors.

12.19 USE OF OFFICIAL LANGUAGE

During the year under review, the Company has made significant progress towards implementation of various provisions of Government's Official Language Policy by celebrating Hindi Day/Pakhwada, holding Hindi Workshops and granting monetary incentives to winners of various competitions organized on the occasion of Hindi Pakhwada (14th – 28th September, 2022) besides complying

with Section 3(3) and other provisions under the Official Language Act, 1963 as also of the Official Language Rules, 1976. The company has been rewarded consolation prize for its in-house magazine "**Hansdhvani**" in the Inter Ministerial Departmental Competitions organized by Ministry of Civil Aviation for the year 2022-23. The Shield was presented by Shri Rajiv Bansal, Secretary, MoCA to Smt. Reena Gupta, Offg. Head of Department (HR&ADMN) PHL on 27.12.2022.

12.20 CITIZEN CHARTER/WELFARE OF SENIOR CITIZENS

The Company has published Citizen's Charter on its website as per the format prescribed by the Ministry of Civil Aviation. Pawan Hans has been looking after Welfare of Senior Citizens by providing assistance to them wherever required during helicopter operations.

13. ACCOUNTING ORGANIZATION IN THE MINISTRY

13.1 Secretary (Civil Aviation) is the Chief Accounting Authority of the Ministry of Civil Aviation. He discharges his functions through and with the assistance of the Joint Secretary & Financial Adviser (JS&FA) and the Chief Financial Controller of the Ministry.

13.2 The Chief Financial Controller is the "Head of Department" for accounting organization and functions under the overall supervision and control of Financial Advisor.

As per para 1.3 of Civil Accounts Manual the Chief Financial Controller, for and on behalf of the Chief Accounting Authority is mainly responsible for:-

- (a) Arranging all payments through the Pay and Accounts Offices/Principal Accounts Office except where the Drawing and Disbursing Officers are authorized to make certain types of payments.
- (b) Compilation and consolidation of accounts of the Ministry and their submission in the prescribed form, to the Controller General of Accounts; preparation of Annual Appropriation Accounts of the Demands for Grants of his Ministry, getting them duly audited and submitting them to the CGA, duly signed by the Chief Accounting Authority.
- (c) Arranging internal inspection of payment and accounts records maintained by the various subordinate formations and Pay and Accounts Offices of the Ministry.

The Accounting organization comprises of the Principal Accounts Office, Five Pay & Accounts Offices (two in Delhi and one each at Mumbai, Chennai & Kolkata) and an Internal Audit Wing located at New Delhi.

Budgetary Provision for Ministry of Civil Aviation for the financial year 2022-23 is as under:

(Rs. in crore)

Revenue Section	10590.54
Capital Section	76.46
Total	10667.00

13.3 PRINCIPAL ACCOUNTS OFFICE

The Principal Accounts Office of Ministry of Civil Aviation is mainly responsible for:

- Consolidation of the accounts of Ministry of Civil Aviation as per provisions of Civil Accounts Manual and in the manner prescribed by the Controller General of Accounts.
- Preparation of Monthly Accounts and Annual Appropriation Accounts of the Demand for Grants of Ministry of Civil Aviation, submission of Statement of Central Transactions and the materials for the Finance Accounts to the Controller General of Accounts, Ministry of Finance.
- Issue of Inter Departmental Authorisation to various agent Ministries such as Ministry of External Affairs, Ministry of Urban Development, Ministry of Information and Broadcasting.
- Rendition of technical advice to Pay & Accounts Office and maintaining necessary liaison with office of the Controller General of Accounts for overall co-ordination and control in accounting matters.
- Preparation of Receipt Budget & Pension Budget.
- Coordination of the work related to PFMS, NTRP and implementation of EAT module.

13.4 PAY & ACCOUNTS OFFICE

Pay & Accounts Offices under the Ministry of Civil Aviation are responsible for releasing of funds, expenditure control, and other receipts & payment functions as under:-

- Pre-check of bills submitted by Non-cheque Drawing & Disbursing Officers (NCDDOs) of the Ministry, for payment.
- Assignment of funds to Cheque Drawing & Disbursing Officers (CDDOs) to operate to a certain level through issue of "LETTER OF CREDIT". Chief Commissioner of Railway Safety at Lucknow with Commissioner of Railway Safety offices at Bengaluru, Kolkata and Mumbai are the four CDDOs.
- Release/ payment of Grants-in-aid/ equity to Autonomous Bodies/ Public Sector Undertaking under the administrative control of Ministry of Civil Aviation.
- Compilation of the monthly account based on the receipts collected and the payments authorized by them after duly reconciling and incorporating the accounts of cheque Drawing & Disbursing Officers (CDDOs) and submit it to the Principal Accounts Office.
- Maintenance of General Provident Fund accounts, and remittance of New Pension Scheme contribution to trustee banks. Settlement of Inward and outward claims. Authorization/ Payment of pension, family pension, commutation, gratuity, leave encashment etc to the retiring employees.
- Making available accounting information to all concerned authorities/ divisions.
- Review of balances under DDS& R heads.

13.5 INTERNAL AUDIT

The Internal Audit Unit works directly under the Chief Financial Controller with overall responsibility remaining with the Financial Advisor and the Secretary of the Ministry. Internal Audit Wing is common for Ministry of Civil Aviation and Ministry of Tourism having sanctioned strength of four Assistant Accounts Officers and four Accountants/Sr. Accountants.

The role of the internal audit organization is to test check the initial account maintained in the executive offices to ascertain the extent of application of the rules & regulations, system and procedure in accounting and financial matters. In accordance with the audit objectives and internal audit standards, internal audit is carried out on the principle of random sampling. Internal Auditing is an independent operation and aims at helping the organization to accomplish its objectives by bringing a systematic, disciplined approach to evaluate and improve the effectiveness of Risk Management, control and governance processes.

The Principal Accounts office, Pay and Accounts Offices as well as the offices of the Drawing and Disbursing Officers in Ministry of Civil Aviation are within the jurisdiction of Internal Audit. In addition to these offices Internal Audit Wing is required to audit the Autonomous Bodies/ Grantee Institution.

During the year internal audit of Office of the DGCA (HQ) New Delhi has been conducted.

The position of outstanding paras of Internal Audit is as under.

No. of Units	Paras outstanding as on date 31.12.2022
54	703

13.6 REDRESSAL OF GRIEVANCES:

The Principal Accounts Office mainly receives grievances from Pensioners/ Family Pensioners & CPGRAM Portal. In addition to this, grievances were also received through mail / post. The majority of the grievances pertains to release of Pensionary benefits. To minimize such grievances, special attention is being given by Principal Account’s office.

13.7 INITIATIVES FOR DIGITISATION OF PAYMENTS AND RECEIPT:

In accordance with the guidelines issued by the Ministry of Finance and Controller General of Accounts, the accounting organisation of Ministry of Civil Aviation has fully operationalized the payment deliverance platform by complete roll out of Public Financial Management System (PFMS) for overall improvement and transparency in the accounting function up to the implementing agency level.

13.8 PUBLIC FINANCIAL MANAGEMENT SYSTEM

The Public Financial Management System (PFMS) works with the objective of establishing an online Financial Management Information and Decision Support System for tracking funds released under various schemes of Government of India.

PFMS being a centralized and fully operationalized IT application for fund transfer is in a position to facilitate “Just in time budget release” and complete

monitoring of utilization of funds up to end level beneficiaries. As per directions of Ministry of Finance autonomous bodies/ grantee institutions are also requested to operate PFMS through EAT module.

The position of PAO, CDDO, NCDDO in respect of the Ministry are as under:

PAOs	CDDOs	NCDDOs
05	04	49

All the PAOs and DDOs have on boarded of PFMS and implemented its EIS module. All related reports are being generated through PFMS.

13.9 NON TAX RECEIPT PORTAL (NTRP)

The Non Tax receipt portal developed by Controller General of Accounts is a comprehensive end to end solution to overcome the delays and inefficiencies of the manual system. In order to abide by the guidelines of the Digital India initiative Ministry of Finance Department of Economic Affairs has universalized the use of NTR Portal under Bharatkosh to collect all Non-Tax revenue receipt through electronic mode. In compliance thereof Ministry is now integrated with NTR Portal facilitating the online remission of Revenue receipts through Bharatkosh. All the fees, dividend, guarantee fees etc are now flowing through NTRP.

A sum of Rs. 2629.06 Crores has been received through NTRP upto 31st December, 2022 in current financial year.

14. WELFARE OF WOMEN

14.1 INTRODUCTION

The Ministry of Civil Aviation has taken suitable measures relating to women's welfare and for taking suitable to provide convenient and hassle free working environment to the women members of the staff. The Ministry of Civil Aviation and organizations under its administrative control have constituted Internal Complaints Committee to examine complaints relating to sexual harassment of women at work places and to suggest remedial measures to prevent such harassment. The position of women's welfare/ cases of sexual harassment in the Ministry and its organizations is being monitored periodically and necessary action is taken wherever called for.

14.2 BUREAU OF CIVIL AVIATION SECURITY

Problems of the women employees, as and when reported, are promptly attended to and resolved, keeping in view specific requirements of Government Policy on the subject. An Internal Complaints Committee for addressing the complaints of sexual harassment at workplace has been reconstituted comprising Chairman at DDG level and one member from NGO.

14.3 COMMISSION OF RAILWAY SAFETY

The offices of the Commission of Railway Safety are generally located in Railway office Premises. The complexes and facilities provided there such as toilets, cr che, Tiffin room etc. are availed by the female employees of the Commission also. The instructions on welfare of women employees, issued by Government of India from time to time are being implemented to the extent possible.

14.4 AIRPORTS AUTHORITY OF INDIA

- With an objective to encourage wider women participation in recruitment activities, AAI does not charge any registration fee from women candidates in all its recruitment activities.
- In a continuous effort to provide more supportive environment to women employees, AAI's management took a decision to extend the benefits of maternity leave to its women employees in case of surrogacy with IVF.
- Keeping in view of safety and security of women employees in AAI, provision of Hostel Accommodation to single female employees has been introduced.

14.5 INDIRA GANDHI RASHTRIYA URAN AKADEMI

IGRUA has Sixteen women employees (1 Regular + 15 Contractual) and their welfare is being looked after through normal administrative channels. An Internal Complaints Committee (ICC) comprising three members is in place to deal with complaints regarding sexual harassment at work place.

14.6 PAWAN HANS LIMITED

As per provisions of Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 and the rules framed there under, the Company has in place, a Committee for prevention prohibition and redressal of sexual harassment at workplace.

14.7 AIRPORT ECONOMIC REGULATORY AUTHORITY OF INDIA

AERA has 12 Women employees comprising of officers/staff on deputation from various Central/State Government Organizations, loan basis from AAI and support staff working on outsourced basis. Adequate women welfare measures like provision of transport/ vehicle for pick up/ drop at home in case of medical emergency or early arrival/ late departure from office due to official exigencies of work; organization of talk/ on specific women health issues by Gynecologist; dedicated female housekeeping staff for female washrooms etc. have been made available in the office premises.

14.8 RAJIV GANDHI NATIONAL AVIATION UNIVERSITY

For the safety of girl students and women

employees at the University campus (both academic as well as residential campus), an Internal Complaints Committee (ICC) has been constituted in accordance with the provisions of the "The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013". The broad functions of the ICC are to take note of any violation of the basic principles of gender sensitivity and gender justice in the University campus and act against the same as deemed appropriate. Keeping in view the safety and security of girl students, the hostel accommodation has been divided into two parts by creating partition in between the girls and boys hostel area.

15. FACILITIES TO PERSONS WITH DISABILITIES

15.1 IMPLEMENTATION OF GUIDELINES

Ministry of Civil Aviation and its attached and subordinate offices are sensitive towards the needs of persons with disabilities and scrupulously follow government instructions to take care of persons with disabilities and senior citizens. In order to protect the travelers against any form of discrimination and to ensure that all esteemed travelers should receive all possible assistance during their travel, DGCA has issued Air Transport Circular 01 of 2014 on "Facilities/ Courtesies to esteemed traveling public at airports" and Civil Aviation Requirements (CAR), Section-3, Air Transport, Series-M, Part-I on "Carriage by Air of Persons with Disability and / or Persons with Reduce Mobility". The CAR also recognizes senior citizens who require special assistance subject to the condition that request for provision of assistance is submitted in advance to the airline.

15.2 DIRECTORATE GENERAL OF CIVIL AVIATION

DGCA has procured one wheel chair for easy accessibility by physically disabled persons. Ramps and washroom dedicated to PwDs have also been constructed in DGCA.

15.3 BUREAU OF CIVIL AVIATION SAFETY

In order to better serve passengers with disabilities and/or with reduced mobility and to improve screening experience of such passengers along with carried mobility aids and assistive devices, the Standard Operating Procedure (SOP) has been laid down and uploaded at BCAS website for opinion of general people. This will improve the air travel screening process and to ensure that all persons, regardless of their personal needs and situations are treated with dignity, respect and courtesy.

15.4 COMMISSION OF RAILWAY SAFETY

CRS follows Government of India & Ministry of Civil Aviation's instructions for facilitating the persons with Disabilities.

15.5 AIRPORTS AUTHORITY OF INDIA

AAI has undertaken the concentered efforts to take forward the vision of the Accessible India Campaign by ensuring fully accessible infrastructure for Divyangjans at airports. Ambulift facility was also introduced at AAI Airports to facilitate the passengers with medical emergencies and reduced mobility. Accessibility Standards and Guidelines for Civil Aviation is also prepared and published in public domain before Gazette Notification; which will help in making all Indian Airports more accessible for millions of users.

15.6 INDIRA GANDHI RASHTRIYA URAN AKADEMI

The guidelines issued by Ministry of Social Justice & Empowerment on Persons with Disabilities has been implemented and due consideration is being given to disabled persons, wherever possible.

15.7 RAJIV GANDHI NATIONAL AVIATION UNIVERSITY

To provide easy access to persons with disabilities, ramps have been provided in the academic building. Separate toilets have also been made for easy use by persons with physical disabilities in academic building of RGNAU. Adequate lighting is provided in all areas of academic building to help visually impaired persons.

15.8 AIRPORT ECONOMIC REGULATORY AUTHORITY

As on December 31, 2022, no person with disabilities are employed in AERA. However, office of the Authority is enabled to facilitate people with disabilities as per government guidelines including the AERA website www.aera.gov.in.

16. REPRESENTATIVE OF INDIA (RoI) IN THE COUNCIL OF ICAO

16.1 INTRODUCTION

The International Civil Aviation Organization (ICAO) was established under the Chicago Convention on International Civil Aviation, in December 1944. Currently 192 Contracting States are signatories to this Convention. The Organization is made up of an Assembly, a Council of 36 elected members, and a Secretariat. The Chief Officers are the President of the Council and the Secretary General, who are elected to the post(s).

The Assembly, composed of representatives from all the 192 contracting Member States, is the sovereign body of ICAO. It meets once every three years, to review in detail, the work of the Organization, and to set policy for the coming years. It also votes a triennial budget.

The Council, the governing body, which is elected by the Assembly for a three-year term, is composed of 36 Member States. The Assembly chooses the Council Member States under three categories: States of chief importance in air transport, States which make the largest contribution to the provision of facilities for air navigation, and States whose designation will ensure that all major areas of the world are geographically represented. As the governing body, the Council provides continuing direction to the work of ICAO. It is in the Council that the Standards and Recommended Practices are adopted and incorporated as Annexes to the Convention on International Civil Aviation. The Council is assisted by the Air Navigation Commission (technical matters), the Air Transport Committee (economic matters), The Committee on

Joint Support of Air Navigation Services and the Finance Committee.

The Air Navigation Commission (ANC) is composed of nineteen members who have "suitable qualifications and experience in the science and practice of aeronautics", as outlined in the Convention on International Civil Aviation (Chicago Convention). The ANC is tasked by the Council to manage the technical work programme of ICAO and, since its establishment, the Commission has considered and recommended SARPs comprising 17 out of the 19 Annexes to the Chicago Convention – including the most recent introduction of the new Annex 19 on Safety Management. Under the approval of the Council, the ANC typically convenes for three sessions each year to address matters within its work programme. Each session typically lasts nine weeks including a three-week recess.

The Secretariat, headed by a Secretary General, is divided into five main divisions: the Air Navigation Bureau, the Air Transport Bureau, the Technical Cooperation Bureau, the Legal Bureau and the Bureau of Administration and Services. In order that the work of the Secretariat reflects a truly international perspective, professional-level personnel are recruited on a broad geographical basis.

ICAO works in close cooperation with other members of the United Nations family such as the United Nation Security Council (UNSC), World Meteorological Organization (WMO), the International Telecommunication Union (ITU), the Universal Postal Union (UPU), the World Health Organization (WHO), the World

Tourism Organization (UNWTO) and the International Maritime Organization (IMO).

Non-governmental organizations which also participate in ICAO's work include the International Air Transport Association (IATA), Airports Council International (ACI), the Civil Air Navigation Services Organisation (CANSO) the International Federation of Air Line Pilots' Associations (IFALPA) and the International Council of Aircraft Owner and Pilot Associations (IAOPA).

16.2 ICAO STRATEGIC OBJECTIVES

In its ongoing mission to support and enable a global air transport network that meets or surpasses the social and economic development and broader connectivity needs of global businesses and passengers, and acknowledging the clear need to anticipate and manage the projected doubling of global air transport capacity by 2030 without unnecessary adverse impacts on system safety, efficiency, convenience or environmental performance, ICAO has established five comprehensive Strategic Objectives:

- **Safety:** Enhance global civil aviation safety. This Strategic Objective is focused primarily on the State's regulatory oversight capabilities. The Global Aviation Safety Plan (GASP) outlines the key activities for the triennium.
- **Air Navigation Capacity and Efficiency:** Increase the capacity and improve the efficiency of the global civil aviation system. Although functionally and organizationally interdependent with Safety, this Strategic Objective is focused primarily on upgrading the air navigation and aerodrome infrastructure and developing new procedures to optimize aviation

system performance. The Global Air Navigation Capacity and Efficiency Plan (Global Plan) outlines the key activities for the triennium.

- **Security & Facilitation:** Enhance global civil aviation security and facilitation. This Strategic Objective reflects the need for ICAO's leadership in aviation security, facilitation and related border security matters.
- **Economic Development of Air Transport:** Foster the development of a sound and economically-viable civil aviation system. This Strategic Objective reflects the need for ICAO's leadership in harmonizing the air transport framework focused on economic policies and supporting activities.
- **Environmental Protection:** Minimize the adverse environmental effects of civil aviation activities. This Strategic Objective fosters ICAO's leadership in all aviation-related environmental activities and is consistent with the ICAO and UN system environmental protection policies and practices.

16.3 FUNCTIONS OF ROI

India maintains a permanent office of the Delegation of India in ICAO which comprises the Representative of India (ROI), Technical Advisor, and two other non-executive staff.

Representative of India: Dr Shefali Juneja (IRS)

Technical Advisor to ROI: Ajay Bhaskar Joshi, Jt GM (ATM), AAI.

16.4 CONTRIBUTIONS TO THE ICAO REGULAR BUDGET IN 2022 & COMMITMENT IN 2023

As a member State, India made a contribution of CAD 620,193 and USD 339,857 to the ICAO regular budget in

2022. India would contribute CAD 670,013 and USD 352,995 in 2023 to the ICAO regular budget (based on scale: 0.99%).

16.5 COUNCIL AND ANC SESSIONS OF 2022

The following sessions of the Committee and the Council phase were held/scheduled from January to December 2022:

Session No.	Committee Phase	Council Phase
225 nd Session	17 th January – 4 th February 2022	21 st February – 18 th March 2022
226 rd Session	18 th April – 6 th May 2022	23 rd May – 23 rd June 2022
227 th Session	24 th October to 4 th November 2022	21 st November – 2 nd December 2022

Meetings of the Air Navigation Commission (ANC) were held in parallel during the Committee/ Council phase to prepare Papers on Technical matters for the Council. The ANC meetings are attended by the Technical Advisor to ROI as a State observer and provided valuable inputs wherever required.

Many important decisions have been

taken in these sessions and Indian Delegation actively participated in all sessions. Throughout the year updates on important issues like LTAG, CORSIA review, Cybersecurity, Aviation Recovery, amendments to SARPs etc. arising out of Council and ANC were flagged to MOCA, DGCA, & other stakeholders through emails, reports, newsletters, etc.



16.6 HMCA visit to ICAO Headquarters in May 2022

Hon’ble Mr. Jyotiraditya M. Scindia, Minister of Civil Aviation of India (HMCA) visited Canada from 2nd to 4th May 2022. HMCA visited Bombardier

facilities in Montreal and attended a Business Roundtable with leading aerospace companies based in Canada. HMCA attended a reception hosted by Representative of India to ICAO at the exclusive St James’s Club, where he interacted with the President, Secretary



Roundtable with CEOs of aerospace industry

General, and senior officials of ICAO as well as several country representatives and diplomats. HMCA also visited Ottawa and paid respects at the memorial for victims of Air India Flight 182 who had lost their lives due to terrorist bombing in 1985. HMCA met Mr. Omar Alghabra, Minister of Transport of Canada in Ottawa on May 3, 2022 and held wide-ranging discussion on bilateral issues of interest. HMCA visited Airbus facility in Mirabel, Montreal and in the evening attended reception held in his honour by the Indian community organizations in Montreal. HMCA held separate meetings with President and Secretary General of ICAO, with representatives of aviation industry organizations (IATA, IACCIA, ACI, CANSO) and with Council Representatives of USA, Canada, European Coordinator, BRICS and other like-minded countries.

16.7 THE HIGH-LEVEL MEETING ON LTAG.

The High-level Meeting on the Feasibility of a Long-term Aspirational Goal for International Aviation CO₂ Emissions Reductions (HLM-LTAG) was held at ICAO Headquarters in Montreal, Canada, from 19 to 22 July 2022 as a hybrid event (in-person and virtual participation).

The Meeting saw the participation of more than 400 high-level officials/delegates from about 100 States to make policy commitments, as well as a number of international organizations with direct involvement in aviation and/or environment also participated as Observers. The Indian delegation was led by Secretary, Civil Aviation who participated virtually and five other delegates from MOCA, DGCA, MEA & AAI who participated in person. Secretary Civil Aviation Shri Rajiv Bansal delivered a statement on the opening day elaborating India's efforts towards decarbonisation and willingness of India to work collaboratively on a flexible and pragmatic LTAG. The High-Level Meeting on LTAG concluded with a consensus decision on recommending a long-term aspirational goal to fight climate change. India played a crucial role to develop consensus decision of the meeting that set an aspirational goal for international aviation to achieve target of net zero emissions by 2050 while allowing the developing countries to contribute to the LTAG according to their national timeframes. The concept proposed by India that developed countries need to do a net minus and allow developing

countries for a net plus for a feasible and pragmatic LTAG found acceptance. The most important para of the conclusions read as:

“ICAO and its Member States are encouraged to work together to strive to achieve a collective long term global aspirational goal for international aviation (LTAG) of net-zero carbon emissions by 2050, in support of the Paris Agreement’s temperature goal, recognizing that each State’s special circumstances and respective capabilities (e.g., the level of development, maturity of aviation markets, sustainable growth of its international aviation, just transition, and national priorities of air transport

development) will inform the ability of each State to contribute to the LTAG within its own national timeframe.”

16.8 The 41st session of ICAO Assembly

The 41st session of the sovereign body of the International Civil Aviation Organisation the ICAO Assembly was held at the ICAO HQs, in Montreal, Canada **from 27th September to 7th October 2022**. First time ever, the Assembly sessions were conducted in a hybrid setting. A total of **2573 delegates from 184 Member States**, 1 Non-Member State, and 56 Observer Delegations attended the A41, the majority in person and some virtually. The recordings of the session of the 41st Assembly are available on ICAO TV for viewing.



(Honourable Minister of Civil Aviation H E Shri Jyotiraditya Scindia addressing the 41st ICAO Assembly)

India’s strong presence and enthusiastic participation were **led by Honourable Minister of Civil Aviation, Shri Jyotiraditya Scindia**. The high-level delegation from India included **Secretary Civil Aviation Shri Rajiv Bansal, Director General Civil Aviation Shri Arun Kumar, Director General BCAS**

Mr. Zulfiquar Hassan, Permanent Representative of India at ICAO Dr. Shefali Juneja, Chairman Airports Authority of India Shri Sanjeev Kumar, Joint Secretary MOCA Shri S K Mishra, PS to HMCA Shri Ajay Yadav, Member ANS AAI Shri M Suresh, Joint Director General DGCA Shri Maneesh Kumar. Thirty others officers

from MOCA, DGCA, AAI, and Industry attended the Assembly sessions

India won its 26th consecutive term as a member of the ICAO Council with a handsome majority.

The Delegation of India played a **crucial role in the resolutions of the A41 on LTAG and CORSIA**. The Long-Term Aspirational Goal to fight Climate change was adopted by A41 with a resolution that ICAO and its Member States are encouraged to work together to strive to achieve a collective long-term global aspirational goal for international aviation (LTAG) of net-zero carbon emissions by 2050, in support of the Paris Agreement's temperature goal, recognizing that each State's special circumstances and respective capabilities (e.g., the level of development, maturity of aviation markets, sustainable growth of its international aviation, just transition, and national priorities of air transport development) will inform the ability of each State to contribute to the LTAG within its own national timeframe.

The approval of baseline of 85% of 2019 emissions for voluntary and mandatory phases of CORSIA and reduction of individual growth factor from 20 % to 0% till 2032 and from 70% to 15% for 2033-2035 was also a major victory of Indian diplomacy.



Secretary Civil Aviation Shri Rajiv Bansal at A41

India's working papers in A41 were on varied subjects like Digitilisation of Air Cargo, RPAS security and policy, Drone operations, Gender equality, Wildlife hazard management etc.

India is leading in the field of digitalisation of air cargo. The WP on the subject paper emphasized the need to develop digital solutions and processes for seamless and cost-efficient air cargo **transportation** and thus recommends the formation of an "ICAO Air Cargo Multidisciplinary Digitalisation Task Force". The paper was supported by more than twenty countries and organisations. India's WP on gender equality which presented India's efforts to bring more and more women in aviation workforce was also well appreciated and supported.

The Delegation of India at ICAO had facilitated **several bilateral meetings on side lines of the A41**. The **delegation** led by HMCA had bilateral meetings with Singapore, Qatar, Germany, France, United Kingdom, USA and Netherlands. In the later period Indian delegation under the leadership of Secretary Civil Aviation conducted bilateral meetings with Canada, UAE, Seychelles, Malaysia and Ethiopia. The bilateral meetings strengthened the ties of India with these States and Air Services agreements and other avenues for collaboration were discussed.

HMCA participated in the **business roundtable** organised by the High Commission of India, the Delegation of India at ICAO and the Canada India Business Council. The discussions were focussed on investments for Make in India projects. Industry participants included the Royal Bank of Canada, Grintex Aviation, Airbus, PSF, Pole Air, OMERS, and Fairfax Consulting services.

16.9 The MOU between International Solar Alliance and ICAO

One of the significant achievements for ROI this year has been the signing of MOU between **International Solar Alliance** and ICAO on 26th September 2022. The MOU will mainstream the use of Solar energy to meet the growing need of energy from renewable sources at Airports and other aviation facilities.

The MOU was announced to the world in a glittering ceremony organised on the eve of 41st Assembly and was cohosted by Delegations of India and France. The ceremony was attended by the Honourable Minister of Civil Aviation of India, Shri Jyotiraditya Scindia, Honourable Minister of Transport of France, Monsieur Clement Beaunne, Mr Salvatore Sciacchitano, President ICAO Council, Mr Juan Carlos Salazar Secretary General ICAO and other dignitaries.

The International Solar Alliance (ISA) is an alliance of 121 signatory countries and 32 partner organizations including many UN Organizations. ISA works for efficient consumption of solar energy to reduce dependence on fossil fuels. ISA strives to devise cost-effective and transformational solutions for using renewable energy to member countries with a particular focus in delivering on impact in LDCs and SIDCs. ICAO is committed to reducing carbon emissions in the aviation sector through its numerous initiatives and goals. The partnership between ISA and ICAO through this MOU will trigger a range of interventions towards developing the capacity of States to deal with solar energy use across all Member States.

16.10 The group of Like-Minded Developing Countries in the Council.

The informal group of like-minded developing countries forged by ROI with help of a few other Council

Representatives made rapid strides in the year 2022. At the beginning of 2022, on 27th January, the Indian Delegation organised a meeting of high-level policy making officials of Civil Aviation, Foreign Affairs and Environment ministries of nine States in ICAO Council to discuss environmental issues facing ICAO. The discussions centered around decisions of ICAO that will help International Aviation to fight climate change while balancing the objectives regarding the Economic Development that support UN Sustainable Development Goals. Senior policy makers from China, South Africa, Russia, Brazil, Saudi Arabia, Egypt, Zambia and Nigeria participated in this meeting. Through the effort of Delegation of India, the alliance has continued to grow and in the newly constituted ICAO Council the LMC group has 14 members namely; Brazil, China, Egypt, Ethiopia, Ghana, India, Mauritania, Qatar, Saudi Arabia, South Africa, UAE, Venezuela and Zimbabwe.

During the High-Level Meeting on LTAG and 41st Assembly the group reached out to other developing nations in their respective regions and the stand taken by the alliance on LTAG and CORSIA review received wide support.

16.11 Best Practices Series

The best practice series initiated in 2021 was continued in 2022.

- i) The fourth event of Best Practise event was meeting between IATA and India on 13th January 2022. IATA and India exchanged perspectives on environmental issues of CORSIA review, LTAG and EU-ETS proposal. IATA made detailed presentations on three topics that gave useful insights from industry to experts from India was well global perspectives on these issues.
- ii) The fifth event of the 'Best Practises Series', an initiative of the Delegation

of India at ICAO was held on 16th February 2022 between India and United Kingdom on the topic of Sustainable Aviation Fuels.

The presentations were made on following topics by various speakers from UK;

- Role of SAF in UK decarbonisation
- Policy tools to develop a UK SAF industry
- An industry perspective on SAF
- Harnessing the private sector

All four sessions evinced keen interest from the participants from India and valuable insights were gained through the presentations and question-answer sessions.

16.12 Other contributions

The office of ROI throughout the year continued its efforts to improve India's stature at ICAO. Some of the efforts include,

- Submitted a proposal for Regional Sub Office of ICAO APAC at New Delhi
- Provided inputs for developing India as International Hub for Civil Aviation
- Coordination for the 2nd APAC Ministerial conference at Delhi.
- Pursue to initiate steps for progress of India from Part II of ICAO Council to Part I
- Pursue for India to take position in Air Navigation Commission
- Submitted a draft of the secondment policy
- Made efforts to improve efficacy of India's participation in ICAO panels
- Submitted suggestions to improve response to State Letters
- The office has also continued its efforts in information sharing with publication of Newsletters and through Twitter account (@India_in_icao).

16.13 The Indian Delegation participated in many webinars and meetings during the year, some of the significant ones are:

2022 ICAO LTAG-GLADs	2022-03-27 - 2022-04-08, Virtual
CAPSCA Global Virtual Symposium	2022-03-29 - 2022-03-31, Virtual
2022 ICAO Legal Seminar	2022-04-12 - 2022-04-14, Seoul
Future Aviation Forum	2022-05-08 - 2022-05-11, Riyadh
High Level Meeting on LTAG	2022-07-20 - 2022-07-23, Montreal
17th TRIP Symposium and Exhibition	2022-09-13 – 2022-09-15, Montreal
ICAO 2022 Innovation Fair	2022-09-24 - 2022-09-26, Montreal
RPAS Symposia Unmanned Aviation	2022-11-07 – 2022-11-09, Montreal
DRONE ENABLE Unmanned Aviation	2022-11-14 - 2022-11-16, Montreal
Airport National Meeting	2022-11-16 - 2022-11-18, Brasilia

16.14 International Day of Yoga

The Delegation of India at ICAO had organised a Yoga session to mark the International Day of Yoga on 21 June. ICAO Council members and ICAO Diplomats Spouses Club members were invited to the session and about 40 persons led by the President of the Spouses' Club participated enthusiastically in the session. Mr. Dipesh Juneja welcomed the participants as Indian member of the

Spouses club. The Yoga instructors from "Art of Living Foundation" conducted the session and taught some Yog Asanas while explaining the benefits of Yoga

16.15 Azadi ka Amrut Mahotsav

The 75th Independence Day of India was celebrated with gusto by the small Indian Community at ICAO.

*****END OF REPORT*****



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MINISTRY OF
CIVIL AVIATION