

Report on the progress of
Civil Aviation India
1933-34



R
X. 43. 2 N33 t
N34
55762

REPORT

ON THE PROGRESS OF CIVIL AVIATION, INDIA

1933-34



GOVERNMENT OF INDIA
DIRECTORATE OF CIVIL AVIATION

55762

R
X43.2 N336-36
N34

55762

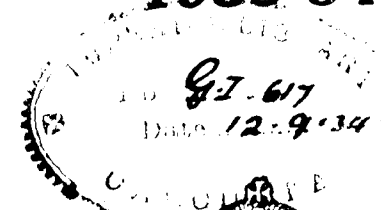
PRINTED BY MANAGER OF PUBLICATIONS, DELHI.
MANAGER, GOVERNMENT OF INDIA PRESS, NEW DELHI,
1934.

us

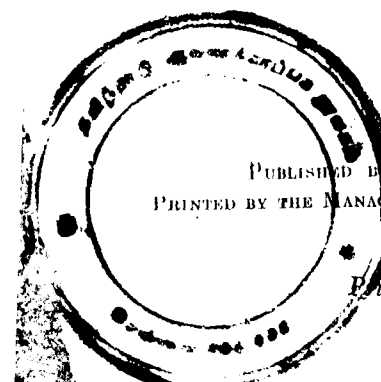
REPORT

ON THE PROGRESS OF CIVIL AVIATION, INDIA

1933-34



GOVERNMENT OF INDIA
DIRECTORATE OF CIVIL AVIATION



PUBLISHED BY THE MANAGER OF PUBLICATIONS, DELHI.
PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, NEW DELHI,
1934.

Price Rs. 5. 1s. 2 or 8s. 6d.

45

List of Agents in India from whom Government of India Publications are available.

(a) PROVINCIAL GOVERNMENT BOOK DEPOTS.

MADRAS:—Superintendent, Government Press, Mount Road, Madras.
BOMBAY:—Superintendent, Government Printing and Stationery, Queen's Road, Bombay.
SIND:—Library attached to the Office of the Commissioner in Sind, Karachi.
UNITED PROVINCES:—Superintendent, Government Press, Allahabad.
PUNJAB:—Superintendent, Government Printing, Punjab, Lahore.
BURMA:—Superintendent, Government Printing, Burma, Rangoon.
CENTRAL PROVINCES:—Superintendent, Government Printing, Central Provinces, Nagpur.
ASSAM:—Superintendent, Assam Secretariat Press, Shillong.
BIHAR AND ORISSA:—Superintendent, Government Printing, P. O. Gubnabagh, Patna.
NORTH-WEST FRONTIER PROVINCE:—Manager, Government Printing and Stationery, Peshawar.

(b) PRIVATE BOOK-SELLERS.

Aero Stores, Karachi.*
Albert Library, Dacca.
Association Press, Calcutta.
Banerjee & Bros., Ranchi, Messrs. G.
Bantherya & Co., Ltd., Kacheri Road, Ajmer.
Bengal Flying Club, Dum Dum Cantt.*
Bhawnani & Sons, New Delhi.
Bombay Book Depot, Girgaon, Bombay.
Book Company, Calcutta.
Booklover's Resort, Talkad, Trivandrum, South India.
Burma Book Club, Ltd., Rangoon.
Butterworth & Co. (India), Ltd., Calcutta.
Calcutta Book Agency, 16-1, Shama Charan Dey Street, Calcutta.
Chatterjee & Co., 3, Bacharam Chatterjee Lane, Calcutta.
Chukervetty, Chatterjee & Co., Ltd., 13, College Square, Calcutta.
City Book Co., Madras.
City Book House, Moston Road, Cawnpore.
Commercial

	PAGE.
SECTION IV.—MISCELLANEOUS FLYING AND COMMERCIAL ACTIVITIES.	
De Havilland Aircraft Co., Ltd.	23
Imports of Aircraft and Aircraft Material	23
Air Survey and Photography	23
Taxi Flights	24
Joy-riding	24
India Air Pageants	24
Bihar and Orissa Earthquake	24

SECTION V.—ADMINISTRATION.

Civil Aviation Budget	26
Civil Aviation Staff	27
New Appointments	27
Aerodrome Control	27
Deputation and Tours	27
Petrol Tax Fund	28
International Conventions	28
Legislation	28
Indian Aircraft Rules	29
Prohibited Areas	29
Licences and Certificates	29
Notices to Airmen	30
Civil Aviation Scholarships	30

SECTION VI.—AIRCRAFT INSPECTION.

Aircraft Inspection	31
-------------------------------	----

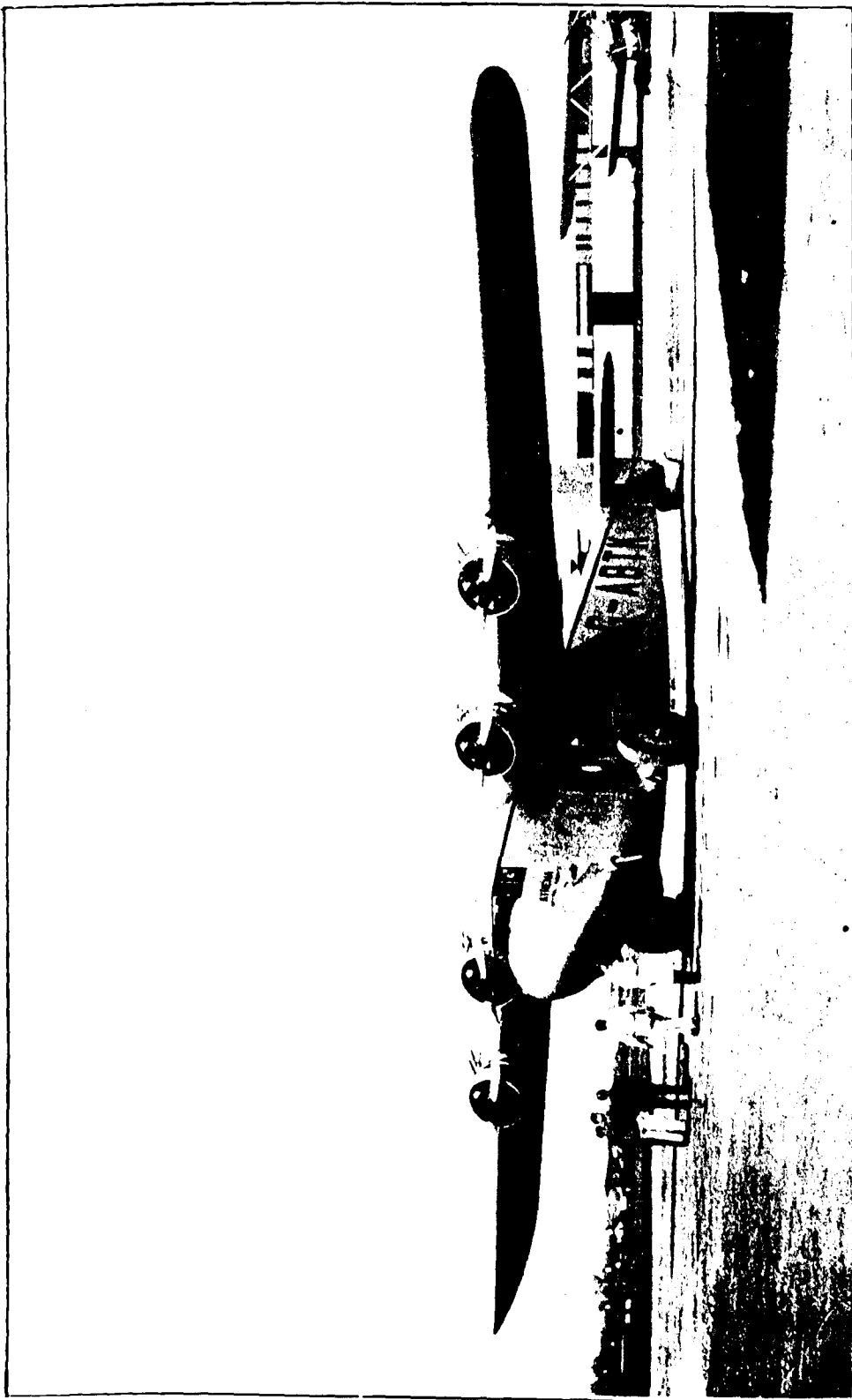
SECTION VII.—GROUND

FOREWORD.

As in previous years this Report has been compiled to cover the financial period ending on the 31st March 1934, but, in order to maintain uniformity with other countries, all statistics are given for the calendar year 1933.

The increased number of tables in the Appendices is mainly the result of the increased number of air services in operation. A further development in the presentation of the detailed analysis of accidents will be found in the relative Appendices.

A new feature of the Report is the inclusion of graphs showing the growth of aviation under six representative heads. These give, at a glance, a measure of the rate of expansion, and, if the figures relating to Indian aviation, as distinct from flying in India, are examined, they provide the best testimony to the expanding phase which was foreshadowed in last year's Report. While development may be slow, there is every evidence that the expansion movement is not a passing phase and that it is steadily gathering force and broadening its basis.



Armstrong Whitworth XV Atalanta - 4 Armstrong Siddeley, 340 h. p., Serval engines.
Used by Imperial Airways and Indian Trans-Continental Airways on the trans-India route.

(Frontispiece.)

SECTION I.

REGULAR AIR SERVICES.

Evidence of the growth of interest in aviation in India is provided by the development of regular air services. Certain developments in commercial air transport were foreshadowed in the Report on the Progress of Civil Aviation for 1932-33. In actual fact greater developments have taken place.

The first in importance is the extension of the London-Karachi air service across India to Singapore, with joint operation by Imperial Airways, Ltd., and an Indian company, Indian Trans-Continental Airways, Ltd. This service replaced the Karachi-Delhi air mail service. Following this, Indian National Airways, Ltd., established a weekly service between Calcutta and Rangoon, thus making, with the main trans-India service, a twice weekly service between Calcutta and Rangoon. A daily service was also established by Indian National Airways between Calcutta and Dacca.

The total mileage of air services in operation in India on the 31st December 1933 was 4,780, compared with 4,260 at the end of 1932. These figures exclude the air route lying outside India, in which an Indian operating company participates, namely, the Rangoon-Singapore section of the Australian route. The total mileage of air services, either operated by Indian companies or in which Indian companies participate, is now, therefore, 5,180 compared with 2,010 at the end of 1932. A diagram showing the

The punctuality of arrival at the terminus, Calcutta or Rangoon, is shewn in the following table :—

Terminus.	Sche- duled Services.	Punc- tual.	1 day late.	2 days late.	3 days late.
Calcutta (from 7th July to 30th September)	13	7	3	2	1
Rangoon (from 1st October to 31st December)	14	12	1	1	..

The causes of delays were as follows :—

	Number.
Late arrival of Imperial Airways at Karachi	3
Mechanical faults	1
Landing grounds	2
Weather	2

All the westbound services were punctually operated.

From the 7th July to 31st December 7,797 lbs. of mail was carried by the service in the eastward direction and 13,888 lbs. in the westward direction. Expressed in another way, a total transport of 12,870 mail-ton-miles, 160,040 passenger miles and 1,520 freight-ton-miles was effected.

There was a steady improvement of traffic during the six months of operation in 1933 which augurs well for the ultimate success of the service. The improvement is illustrated by the following figures :—

	July.	December.
Average load of mails per flight, lbs.	371	569
Total passenger-miles	13,220	5

German	2
Spanish	1
Swiss	1
Italian	1
Chinese	1

The 15 British flights included flights from and to India by the Houston-Mount Everest Expedition. The Indian flights were made, one by Mr. Alban Ali, a police officer in Assam, from India to England, in a Comper Swift; one by Captain A. F. Muir and Mr. Man Mohan Singh from England to India in a Monospar aeroplane bought by H. H. the Maharajah of Patiala; and the third by Mr. T. H. Dastur from India to England in a D. H. Puss Moth, with a passenger, Mr. J. B. Patel.

There were two accidents in connection with these flights, one with unfortunately fatal results. On the 14th April 1933, the Italian airman Leonida Robbiano, while flying between Calcutta and Rangoon, was reported missing. Parts of the wreckage of his aeroplane were later found near Sandwip Island (Delta of the Ganges). Signor Robbiano had insisted on proceeding from Calcutta to Rangoon by night, in spite of adverse weather forecasts. Miss Jean Batten, on a flight from England, had a forced landing near Karachi, in consequence of which her machine was badly damaged and her further flight abandoned.

H. E. The Viceroy's Tours.—The following tours were carried out by Their Excellencies the Viceroy and the Countess of Willingdon during the year in the Avro X aeroplane :—

Date.	Tour.	Distance. Miles.
4th March 1933 . . .	Delhi to Meerut and Agra . . .	160.
7th March 1933 . . .	Agra to Delhi	110
18/20th March 1933 . . .	Delhi to Rampur and back . . .	220
12/13th June 1933		

APPENDIX III.

Indian National Airways' Calcutta-Rangoon Service.

	Services.		Aircraft mileage.	Passengers.		Freight.	Mails.	
	Scheduled.	Completed.		Per. centage regularity.	Number.	Passenger miles.	East-bound.	West-bound.
1933—December	9	9	100	100	42	31,500	lbs. 34	lbs. 48

Service commenced 1st December 1933.

42

APPENDIX IV.

Indian National Airways' Calcutta-Dacca Service.

	Services.		Aircraft mileage.	Per. centage regularity.	Passengers.		Freight.	Mails.	
	Scheduled.	Completed.			Number.	Passenger miles.		East-bound.	West-bound.

APPENDIX XIV.

Licences and Certificates issued and current during 1932 and 1933.

Licences and Certificates.	Issued during 1932.	Issued during 1933.	Total issued to end of 1933.	Lapsed to end of 1933.	Current on 31st December 1932.	Current on 31st December 1933.
1. Pilots' 'A' Licences	104	96	483	267	196	216
2. Pilots' 'A-1' Licences. (Limited Commercial Pilot)	5	13	18	10	5	8
3. Pilots' 'B' Licences	12	18	113	70	27	43
4. Pilot Instructors' Licences	12	6	18	2	10	16
5. Ground Engineers' Licences	7	6	53	30	19	23
6. Certificates of Airworthiness	20	29	108	60	34	48
7. Certificates of Registration*	19	25	142	60	70	82

* The figures include only new Certificates issued. Figures of aircraft re-registered have been excluded.

IMPERIAL
LIBRARY