
facts

AIR-INDIA





Air Chief Marshal P.C. Lal ..	Chairman, Air-India and Indian Airlines
Mr K.G. Appusamy ..	Vice Chairman, Air-India and Indian Airlines

AIR-INDIA HEADQUARTERS

Air-India Building
Nariman Point
Bombay 400 021

EXECUTIVES

Mr K.G. Appusamy ..	Managing Director
Mr P.V. Gole ..	Director of Personnel & Industrial Relations
Mr C.L. Sharma ..	Director of Finance
Capt D. Bose ..	Director of Operations
Mr I.D. Sethi ..	Commercial Director
Mr V.N. Herekar ..	Director of Engineering
Brig M.P. Joseph ..	Controller of Civil Works & Properties
Mr D.P. Nimkar ..	Controller, Ground Handling
Mr P. Jayant ..	Dy Director, Management Services
Mr G.D. Dubey ..	Controller of Communications
Mr K.L. Ramchander ..	Dy Director, Inflight Services
Mr P.D. Marathe ..	Controller of Stores & Purchases

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1st September 1978

LANDMARKS IN THE HISTORY OF AIR-INDIA

Oct	15, 1932	Tata Sons Ltd. inaugurates the first scheduled service in India with a Puss Moth. Pilot—Mr J.R.D. Tata, former Chairman, Air-India.
Jul	29, 1946	Tata Airlines converted into public company and named Air-India Limited.
Mar	8, 1948	Air-India International formed.
Mar	16, 1948	First Constellation arrives.
Jun	8, 1948	Bombay-London service inaugurated.
Jan	21, 1950	Bombay-Nairobi service inaugurated.
Aug	1, 1953	Air-India International nationalised.
Jun	6, 1954	First Super Constellation arrives.
Jul	16, 1954	Bombay-Singapore service inaugurated.
Aug	14, 1954	Bombay-Hong Kong service inaugurated.
May	7, 1955	Hong Kong service extended to Tokyo.
Oct	5, 1956	Singapore service extended to Sydney.
Aug	15, 1958	Moscow service inaugurated.
Feb	21, 1960	Arrival of first Boeing 707 after a record breaking non-stop flight London-Bombay in 8:05 hrs.
May	14, 1960	First Bombay-New York service (with Boeing 707).
Oct	4, 1960	Kuwait service starts with Super Constellation.
May	2, 1962	Bahrain becomes online.
Jun	8, 1962	Air-India International abbreviated to Air-India.
Jun	11, 1962	Nine Super Constellations sold. A-I thus becomes world's first all-jet airline.

Oct	15, 1962	Mr J.R.D. Tata, re-erects in a Leopard Moth his first scheduled flight flown 30 years ago. Route: Karachi-Ahmedabad-Bombay.
Feb	14, 1967	New non-stop London-Bombay record of 7:54 hrs set up by A-I's 707 'Kamet' on delivery flight.
Aug	15, 1967	Bombay-Mauritius service inaugurated.
Oct	27, 1967	One Nairobi service routed via Addis Ababa.
Jul	2, 1969	Dubai becomes online.
Apr	20, 1970	A-I HQ shifted to Nariman Point.
Oct	1, 1970	Abu Dhabi becomes online.
Nov	3, 1970	Dhahran becomes online.
Apr	18, 1971	First Boeing 747 arrives.
Jul	8, 1971	Hotel Corpn. of India, A-I subsidiary formed.
Sep	9, 1971	Air-India Charters, subsidiary of A-I, formed.
Jan	1, 1972	First Air-India (ACL) charter flight.
Jun	11, 1972	Daily 747 service to New York starts.
Nov	2, 1972	Osaka becomes online.
Nov	1, 1973	Doha becomes online.
Feb	12, 1974	Muscat becomes online.
Apr	2, 1975	Start of twice weekly Boeing 707 all-cargo service to the UK and once weekly to Tokyo.
May	18, 1975	Centaur Hotel of HCI opens.

Apr	1, 1976	Kuwait service extended to Baghdad. Boeing 747s introduced on Bombay-Sydney route.
Jun	25, 1976	Mauritius service routed via Seychelles.
Dec	19, 1976	One Nairobi service extended to West Africa: to Lagos (Nigeria) and Accra (Ghana).
Apr	13, 1977	Jeddah becomes online.
Jan	31, 1978	Introduction of a weekly 707 service to Trivandrum via Dubai.

FLEET

	Type	Name of the Aircraft	Registration Marking	Delivery Date
1)	707-437	Gauri Shankar	VT-DJJ	21. 2.1960
2)	707-437	Everest	VT-DJK	25. 3.1960
3)	707-437	Dhaulagiri	VT-DNY	11. 3.1962
4)	707-437	Nangaparbat	VT-DNZ	14. 4.1962
5)	707-337B	Makalu	VT-DPM	29. 5.1964
6)	707-337B	Lhotse	VT-DSI	15. 3.1965
7)	707-337B	Annapoorna	VT-DVA	14.10.1966
8)	707-337C	Kamet	VT-DVB	14. 2.1967
9)	707-337C	Trishul	VT-DXT	22. 8.1968
10)	747-237B	Emperor Shahjehan	VT-EBE	4. 5.1971
11)	747-237B	Emperor Rajendra Chola	VT-EBN	1. 4.1972
12)	747-237B	Emperor Vikramaditya	VT-EBO	7. 6.1972
13)	747-237B	Emperor Akbar	VT-EDU	27.12.1975
14)	747-237B	Emperor Chandragupta	VT-EFJ	6. 2.1978
15)	747-237B	Emperor Kanishka	VT-EFO	2. 7.1978

One Boeing 747 due for delivery August 1979

**CONFIGURATION, CREW COMPLEMENT,
FINANCIAL DATA**

Configuration & Crew Complement

	<u>Boeing 707</u>	<u>Boeing 747</u>
Standard Configuration	16 First Class - 126 Economy	24 First Class - 358 Economy
Operating Crew	Pilot, Co-pilot, Navigator, Flight Engineer	Pilot, Co-pilot Flight Engineer
Cabin Crew	7 Air Hostesses and Flight Pursers	Inflight Supervisor, 18 Air Hostesses and Flight Pursers

Financial Data

Capital	Rs. 66.82 crores (US \$ 79.482 million); provided entirely by the Government, equally divided between loan and equity.
Interest & Dividend	Rs. 29.76 crores (US \$ 35.402 million) paid to the Government by way of interest and dividend on capital since nationalisa- tion up to March 31, 1978.
Total Net Profits since 1953	Rs. 66.32 crores (US \$ 78.892 million)

Ploughback	Rs. 160.61 crores (US \$ 191.057 million) ploughed back into the business since inception as on March 31, 1978.
Gross Block	Rs. 231.62 crores (US \$ 275.528 million)
Net Worth	Rs. 156.01 crores (US \$ 185.585 million)

FLEET TECHNICAL DATA

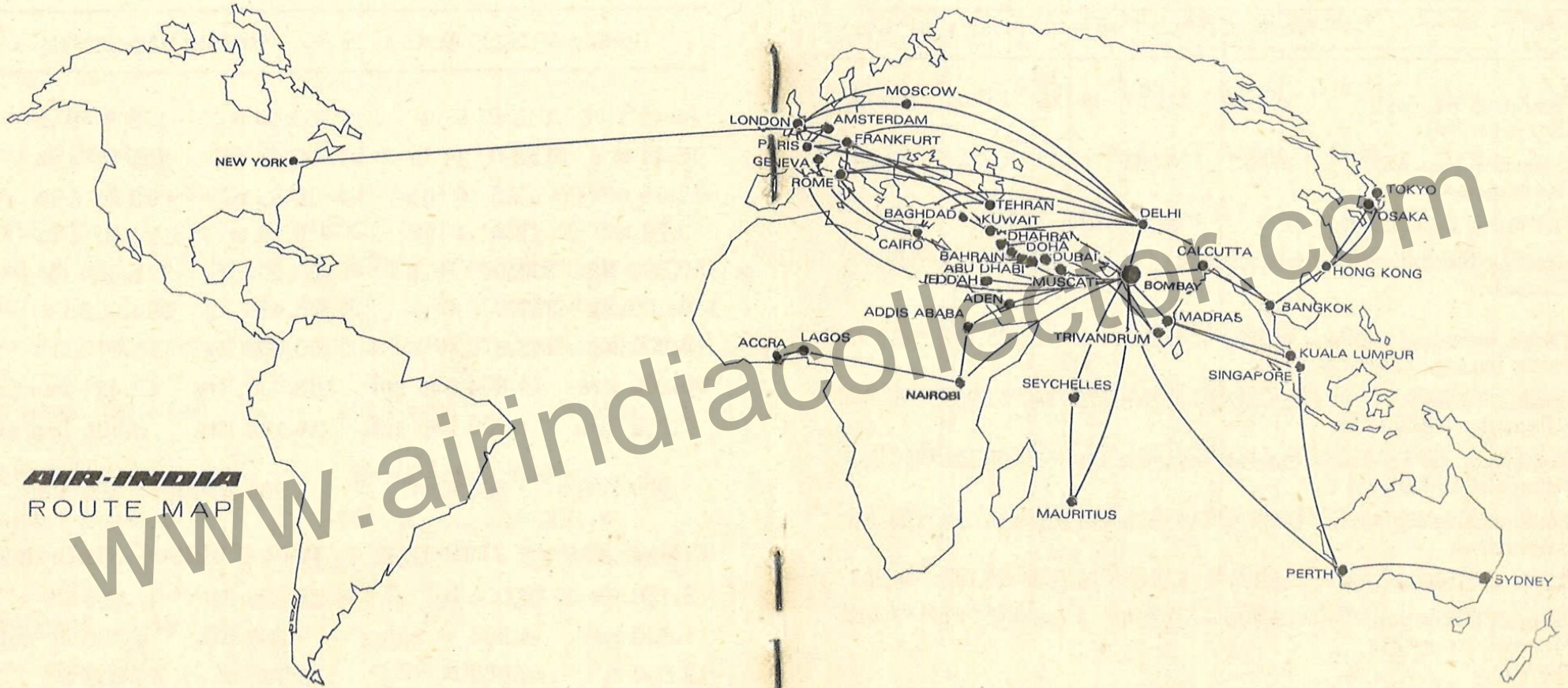
Boeing 707-437

Wing Span	43.41 m	142 ft 5 in
Overall length	46.41 m	152 ft 11 in
Overall height	12.71 m	41 ft 8½ in
Width of fuselage (outside)	3.76 m	12 ft 4 in
Max taxi gross weight	143,500 Kg	316,000 lb
Max landing weight	94,000 Kg	207,000 lb
Payload	19,900 Kg	43,870 lb
Fuel capacity	80,500 Litres	17,706 Imp gall
Average Fuel Consumption (per hr)	8,664 Litres	1,900 Imp gall
Max cruising speed	900 Kmph	560 Mph
Engines	Rolls Royce Conway	
Engine Thrust	7,950 Kg	17,500 lb
Range	6,280 Km	3,900 St miles
Max Cruising altitude (with capacity payload)	12,800 m	42,000 ft
Cargo capacity	5 Tonnes	

Boeing 707-337 B/C

Boeing 747-237 B

44.43 m	145 ft 9 in	59.64 m	195 ft 8 in
46.41 m	152 ft 11 in	70.51 m	231 ft 4 in
12.95 m	42 ft 6 in	19.33 m	63 ft 5 in
3.76 m	12 ft 4 in	6.50 m	21 ft 4 in
152,500 Kg	336,000 lb	353,200 Kg	778,000 lb
112,100 Kg	247,000 lb	265,400 Kg	564,000 lb
19,900 Kg	43,870 lb	50,700 Kg	111,770 lb
90,300 ltrs	19,864 Imp gall	193,000 ltrs	42,481 Imp gall
7,752 ltrs	1,700 Imp gall	14,136 ltrs	3,100 Imp gall
900 Kmph	560 Mph	930 Kmph	580 Mph
Pratt & Whitney JT3D-3B & -7	Pratt & Whitney JT9D-7W & -7A		
8,170 Kg	18,000 lb	21,300 Kg	47,000 lb
7,890 Km	4,900 st miles	7,560 Km	4,700 st miles
12,800 m	42,000 ft	13,700 m	45,000 ft
12,800 m	42,000 ft	13,700 m	45,000 ft
5 Tonnes		20 Tonnes	



AIR-INDIA
ROUTE MAP

OPERATING STATISTICS

	1977-78	1976-77	1975-76	1974-75*	1973-74
Operating Revenue (Rs. in crores)	305.49	272.27	197.69	135.58	126.14
Operating Expenses (Rs. in crores)	270.85	240.93	188.77	139.20	121.64
Net Profit/Loss (Lakhs)	2845	1759	635	(885)	30
Revenue Passengers Carried	10,43,159	943,150	721,146	519,113	648,598
Cargo, including mail and excess baggage (Tonnes)	45,313	44,221	38,272	25,761	28,847
Available Tonne Kilometres (Millions)	1,165.732	1,132.518	975.774	737.986	898.376
Total Revenue Tonne Kilometres (Millions)	730,594	696,538	581,957	406,323	494,710
Unduplicated Route Kilometres	199,319	193,573	133,020	114,038	124,098
Revenue Hours Flown	55,151	52,057	46,162	35,138	44,303
Aircraft Utilisation Revenue Hours Per Annum	3,700	3,536	3,466	2,719	3,408

* Operations curtailed for the period August-November 1974 because of pilots' strike.

1972-73	1971-72	1970-71	1969-70	1968-69	1967-68	1966-67
101.08	78.56	71.60	66.14	59.50	55.01	45.90
95.64	77.78	67.02	61.84	54.68	49.58	41.34
(94)	(166)	270	227	214	189	389.15
545,820	453,150	487,121	402,609	331,051	285,459	254,736
21,953	19,074	16,880	15,806	14,033	12,010	11,068
830.153	615.623	515.533	506.110	461.990	434.452	352.685
419.194	316.861	275.165	256.572	225.278	198.977	172.534
129,078	118,111	165,125	164,416	134,633	132,800	51,263
43,187	38,228	39,460	38,213	34,535	32,193	26,168
3,436	3,601	4,139	3,979	3,792	3,679	3,461

OPERATING STATISTICS

	1965-66	1964-65	1963-64	1962-63	1961-62
Operating Revenue (Rs. in crores)	29.77	30.03	26.81	24.53	21.57
Operating Expenses (Rs. in crores)	28.60	26.41	22.97	21.07	20.80
Net Profit/Loss (Lakhs)	163.56	304.15	304.18	234.78	38.86
Revenue Passengers Carried	218,458	237,996	190,969	165,736	156,535
Cargo, including mail and excess baggage (Tonnes)	9,108	8,769	7,722	6,392	6,476
Available Tonne Kilometres (Millions)	323.560	328.575	292.136	252.053	216.640
Total Revenue Tonne Kilometres (Millions)	148.980	156.722	132.446	111.583	94.519
Unduplicated Route Kilometres	52,369	55,338	49,321	51,187	46,154
Revenue Hours Flown	24,378	24,884	22,354	19,558	25,228
Aircraft Utilisation Revenue Hours Per Annum	3,118	3,688	3,726	3,275	2,154

	1960-61	1959-60	1958-59	**1957-58	1956-57	1955-56	1954-55
	19.17	12.58	11.56	10.82	9.65	6.77	4.83
	18.00	12.40	11.40	10.10	8.76	6.70	4.49
	67.97	26.98	18.28	126.10	38.42	3.78	14.30
	123,270	89,385	83,868	88,312	79,825	56,445	40,287
	4,469	3,677	2,698	2,167	2,091	1,480	1,217
	161.447	93,486	87,995	80.248	68.830	56.114	37.450
	76.299	54.241	49.853	47.486	44.095	31.270	22.057
	53,709	37,914	37,502	33,342	33,039	27,972	23,330
	27,063	28,842	27,924	26,306	23,808	19,695	14,413
	2,474	3,094	3,017	2,595	2,579	2,507	2,555

** The net surplus reflects non-operating surplus of Rs. 116.03 lakhs which resulted from the sale of the Constellation fleet.

REGIONAL OFFICES, ONLINE OFFICES

Regions	Cities	Airports
AFRICA Regional HQ : Nairobi Territory : Africa, Yemen, Mauritius, Seychelles, Malagasy.	Abu-Dhabi Accra Addis Ababa Aden Amsterdam	International Kotoka Bole Khormaksar Amsterdam
AUSTRALASIA & SOUTH EAST ASIA Regional HQ : Sydney. Territory : Australia, New Zealand, Fiji, Malaysia, Singapore, Indonesia.	Baghdad Bahrain Bangkok Bombay Cairo Calcutta Delhi Dhahran Doha Dubai	International Muharraq Don Muang Bombay Cairo Calcutta Delhi Dhahran Doha Dubai
CONTINENTAL EUROPE Regional HQ : Geneva. Territory : Europe (Except USSR).	Frankfurt Geneva Hong Kong	Frankfurt Cointrin Kai Tak
EAST ASIA Regional HQ : Hong Kong Territory : Hong Kong, Korea, Thailand, Japan, Philippines.	Jeddah Kuala Lumpur Kuwait Lagos London	Jeddah Subang Kuwait Murtala Muhammed Heathrow

Regions	Cities	Airports
INDIA Regional HQ : Bombay Territory : India, Pakistan, Bangladesh, Sri Lanka, Nepal, Afghanistan.	Madras Mauritius Moscow Muscat Nairobi New York	Madras Plaisance Sheremetyevo Seeb Embakasi J. F. Kennedy International
MIDDLE EAST Regional HQ : Dubai Territory : Lebanon, Egypt, Iran, Iraq, United Arab Emirates, Qatar, Oman Saudi Arabia, Syria, Jordan, Turkey, Cyprus, Kuwait, Bahrain.	Osaka Paris Perth Rome Seychelles Singapore	Itami Orly Perth Leonardo Da Vinci (Fiumicino) Mahe Paya Lebar International Kingsford Smith (Mascot)
UNITED KINGDOM Regional HQ : London. Territory : The United Kingdom and Ireland.	Sydney Tehran Tokyo	Mehrabad Narita
U.S.A. & CANADA Regional HQ : New York. Territory : USA, Canada, Mexico, South America, West Indies.	Trivandrum	Trivandrum

OFFLINE OFFICES

Africa

Blantyre
Dar-Es-Salaam
Kampala
Khartoum
Lusaka
Tannanarive
Tripoli

Australasia

Adelaide
Auckland
Brisbane
Jakarta
Melbourne
Suva

Continental Europe

Athens
Barcelona
Belgrade
Brussels
Budapest
Copenhagen
Dusseldorf
Hamburg
Istanbul
Las Palmas

Madrid
Milan
Munich
Nice
Nuremberg
Prague
Stockholm
Stuttgart
Vienna
Warsaw
Zurich

East Asia

Fukuoka
Hakataku
Kobe
Manila
Nagoya
Seoul
Taipei

India

Agra
Ahmedabad
Amritsar
Bangalore
Bhubaneshwar
Baroda
Bhopal

Chandigarh
Cochin
Coimbatore
Darjeeling
Faridabad
Gauhati
Goa
Hyderabad
Indore
Jaipur
Jamshedpur
Jorhat
Jullundur
Kanpur
Lucknow
Ludhiana
Madurai
Mangalore
Meerut
Moga
Moradabad
Nagpur
Nawanshahar
Patna
Poona
Rajkot
Ranchi
Srinagar
Surat
Thane
Varanasi

Visakhapatnam
Chittagong (Bangladesh)
Colombo (Sri Lanka)
Dacca (Bangladesh)
Kathmandu (Nepal)

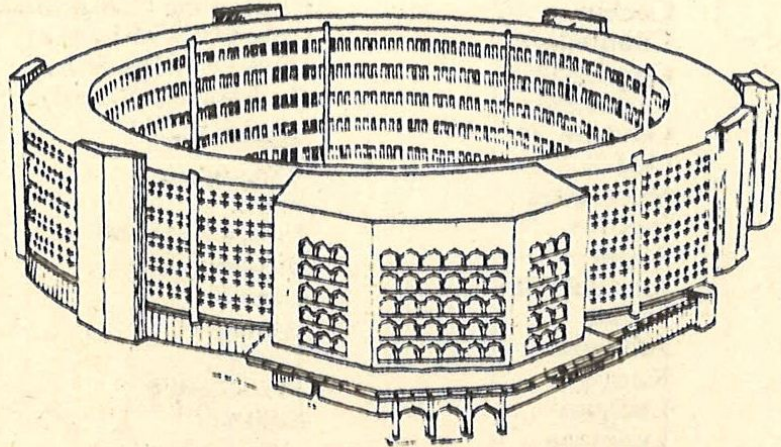
Middle East

Alexandria
Beirut
United Kingdom
Birmingham
Cardiff
Glasgow
Leeds
Manchester
Southall

U.S.A. & Canada

Atlanta
Chicago
Cleveland
Dallas
Detroit
Houston
Los Angeles
Philadelphia
Port of Spain
San Francisco
Toronto
Vancouver
Washington D.C.
Yokohama

CENTAUR HOTEL



- Built by** : Hotel Corporation of India Limited, wholly-owned subsidiary of Air-India.
- Location** : 200 metres from Bombay Airport Terminal.
- Rooms** : 298 including five suites.
- Amenities** : Swimming pool, shopping arcade, health club, beauty salon, secretarial service, as well as facilities for banquets, conventions and conferences. Air-India's first class passengers and hotel residents travelling on Air-India can check-in at a special counter and go through baggage and customs clearance at the Hotel.

DEFINITIONS

- Distance in Kilometres** : This is based on the Great Circle distance between airports.
- Available Tonne Kilometres (Atkm)** : Product obtained by multiplying the capacity in metric tonnes (1000 kg.) available for passengers, mail and cargo by the distance in kilometres flown by the aircraft.
- Revenue Tonne Kilometres (Rtkm)** : Revenue earning load of passengers, mail and cargo in metric tonnes multiplied by the distance flown in kilometres.
- Available Seat Kilometres** : Product obtained by multiplying the number of passenger seats available in the aircraft by the distance in kilometres flown.
- Revenue Passenger Kilometres** : Product obtained by multiplying the number of fare-paying passengers by the distance in kilometres flown by them.
- Passenger Load Factor** : Ratio of revenue passenger kilometres to available seat kilometres usually expressed as a percentage.
- Lakh and Crore** : One lakh is equal to one hundred thousand, and one crore is equivalent to ten million.