
GEN 3.2 – AERONAUTICAL CHARTS

1. Responsible services

1.1. Airports Authority of India provides a wide range of aeronautical charts for use by all types of civil Aviation as per subsection 4.1 below [(i) to (x)]. In addition, World Aeronautical chart on the scale 1:1million are produced by Survey of India and can be obtained from their offices. The charts are produced in accordance with the provisions contained in ICAO Annex 4 - Aeronautical Charts. Differences to those provisions are detailed in the AIP.

2. Maintenance of Charts

2.1. The Aeronautical charts are maintained up to date and corrections to them are promulgated by AIP Amendments, NOTAMS, etc.

3. Purchase arrangements

3.1. AIP India contains these charts and the charts are available at the following address-

3.1.1. General Manager (AIS)
Aeronautical Information Service
Airports Authority of India,
Rajiv Gandhi Bhavan,
New Delhi -110003
India

3.2. World Aeronautical Charts can be obtained from Survey of India at the following address-

3.2.1. Officer -in -Charge
Survey of India
Map Records and Issue Office
Map Publication Directorate
Hathibarkala Estate
New Cantonment Road
Dehradun - 248001
India

4. Aeronautical Chart service available

4.1. The following series of aeronautical charts are produced-

- i) Aerodrome Chart
- ii) Aircraft Parking / Docking Chart
- iii) Aerodrome Obstacle Chart Type A
- iv) Aerodrome Obstacle Chart Type B
- v) Precision Approach Terrain Chart (Precision Approach Cat II runway)
- vi) En-route Chart
- vii) Standard Departure Chart - Instrument (SID)
- viii) Standard Arrival Chart - Instrument (STAR)
- ix) Instrument Approach Chart (For each runway and procedure type)
- x) Area / TMA Chart (Arrival and Transit routes)

4.2. General Description of each series

4.2.1. Aerodrome Chart -This Chart contains detailed aerodrome data to provide flight crews with information that will facilitate the ground movement of aircraft - from aircraft stand to runway and from the runway to the aircraft stand.

4.2.2. Aircraft Parking/Docking Chart -This chart is produced for those aerodromes where due to the complexity of the terminal facilities the information to facilitate the ground movement of aircraft between the taxiways and aircraft stands and parking / docking of aircraft cannot be shown with sufficient clarity on Aerodrome Chart .

4.2.3. Aerodrome Obstacle Chart -Type 'A' (Operating Limitations) - This chart contains detailed information on takeoff flight path areas of aerodromes. It is shown in plan and profile view for both the sides of the runway.

4.2.4. Aerodrome Obstacle Chart -Type 'B' - In addition to the information specified for aerodrome obstacle chart type 'A' (Operating Limitations) Type 'B' charts includes a plan for the entire

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- aerodrome, the obstacle limitations surfaces specified in Annex 14, Chapter 4 and the obstacles pertaining to such surfaces.
- 4.2.5. Precision Approach Terrain Chart - This chart provides detailed terrain profile information within a defined portion of the final approach so as to enable aircraft operating agencies to assess the effect of terrain on decision height determination by the use of radio altimeters.
- 4.2.6. En-route Chart - This chart is produced for the entire Indian FIR. The aeronautical data include all aerodromes prohibited, restricted and dangerous areas and the air traffic services system in detail. The chart provides the flight crew with information that will facilitate navigation along ATS routes in compliance with air traffic services procedures.
- 4.2.7. Standard Departure Chart (SID) - This chart is produced whenever a standard departure route instrument has been established and cannot be shown with sufficient clarity on the area chart.
- 4.2.7.1. The aeronautical data shown include the aerodrome of departure, aerodrome which effect the designated standard departure route - instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard departure route - instrument from the take-off phase to the en-route phase.
- 4.2.8. Standard Arrival Chart (STAR) - This chart is produced whenever a standard arrival route - instrument has been established and cannot be shown with sufficient clarity on the area chart.
- 4.2.8.1. The aeronautical data shown include the aerodrome of landing, aerodrome which effect the designated standard arrival route - instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard arrival route - instrument from the en-route phase to the approach phase.
- 4.2.9. Instrument Approach Chart - This chart is produce for all aerodromes used by civil aviation where instrument approach procedures have been established. A separate Instrument approach chart has been provided for each approach procedure. The aeronautical data shown includes information on aerodromes, prohibited, restricted and danger areas radio communication facilities and navigation aids, minimum sector altitude, procedure track portrayed in plan and profile view, aerodrome operating minimum etc.
- 4.2.9.1. This chart provides the flight crew with information that will enable them to perform approved instrument approach procedure to the runway of intended landing including the missed approach procedure and where applicable, associated holding patterns.
- 4.2.10. Area/TMA Chart - This chart is produced when the air traffic service routes or position reporting requirements are complex and cannot be shown on an En-route chart.
- 4.2.10.1. It shows, in more details those aerodromes that effect terminal routings, prohibited, restricted and danger areas and the air traffic services system.
- 4.2.11. World Aeronautical Chart - ICAO 1:1, 000, 000. This series is constructed on Lambert Conical Orthomorphic Projection conversing whole state of India and adjoining seas at the end. The aeronautical data shown have been kept to a minimum, consistent with the use of the chart for visual air navigation. It includes a selection of aerodromes, significant obstacle, elements of the ATS system, prohibited, restricted and danger areas, and radio navigation aids. The chart provides information to satisfy visual air navigation and is also used as a pre-flight planning chart.

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5.3. Aircraft Type 'A' Obstacle Chart

Aerodrome	Number	Scale	Date
Ahmedabad (VAAH) RWY23	AAI/17-OBS/Carto/2006	1:15000	Jan 2005
Ahmedabad (VAAH) RWY05	AAI/16-OBS/Carto/2006	1:15000	Jan 2005
Amritsar (VIAR) RWY34	AAI/35-OBS/Carto/2006	1:15000	Jan 2005
Amritsar (VIAR) RWY16	AAI/34-OBS/Carto/2006	1:15000	Jan 2005
Aurangabad (VAAU) RWY27	AAI/07-OBS/Carto/2007	1:15000	Jan 2005
Aurangabad (VAAU) RWY09	AAI/08-OBS/Carto/2007	1:15000	Jan 2005
Bhopal (VABP) RWY12	AAI/21-OBS/Carto/2006	1:15000	Jan 2005
Bhopal (VABP) RWY30	AAI/20-OBS/Carto/2006	1:15000	Jan 2005
Bhubaneswar (VEBS) RWY14	AAI/23-OBS/Carto/2006	1:15000	Jun 2004
Bhubaneswar (VEBS) RWY32	AAI/24-OBS/Carto/2006	1:15000	Jun 2004
Calicut (VOCL) RWY10 & RWY28	AAI/01-OBS/Carto/2003	1:15000	Jan 2005
Chennai (VOMM) RWY07	AAI/27-OBS/Carto/2006	1:15000	Feb 2006
Chennai (VOMM) RWY25	AAI/28-OBS/Carto/2006	1:15000	Feb 2006
Guwahati (VEGT) RWY02	AAI/10-OBS/Carto/2006	1:15000	Apr 2005
Guwahati (VEGT) RWY20	AAI/11-OBS/Carto/2006	1:15000	Apr 2005
Jaipur (VIJP) RWY09 & RWY27	AAI/01-OBS/Carto/2006	1:15000	Jan 2006
Madurai (VOMD) RWY09 & 27	AAI/36-OBS/Carto/2006	1:15000	Jan 2003
Mangalore (VOML) RWY09 & 27	AAI/18-OBS/Carto/2006	1:15000	Jan 2005
Mangalore (VOML) RWY06 & 24	AAI/19-OBS/Carto/2006	1:15000	Apr 2006
Nagpur (VANP) RWY14	AAI/04-OBS/Carto/2006	1:15000	Jan 2005
Nagpur (VANP) RWY32	AAI/05-OBS/Carto/2006	1:15000	Jan 2005
Patna (VEPT) RWY25	AAI/26-OBS/Carto/2006	1:15000	Jan 2005
Patna (VEPT) RWY07	AAI/25-OBS/Carto/2006	1:15000	Jan 2005
Port Blair (VOPB) RWY22	AAI/29-OBS/Carto/2006	1:15000	Jan 2005
Udaipur (VAUD) RWY08	AAI/14-OBS/Carto/2006	1:15000	Jan 2005
Udaipur (VAUD) RWY26	AAI/15-OBS/Carto/2006	1:15000	Jan 2005
Vadodara (VABO) RWY22	AAI/22-OBS/Carto/2006	1:15000	Jan 2005
Vadodara (VABO) RWY04	AAI/21-OBS/Carto/2006	1:15000	Jan 2005
Varanasi (VIBN) RWY09	AAI/05-OBS/Carto/2007	1:15000	Jan 2005
Varanasi (VIBN) RWY27	AAI/06-OBS/Carto/2007	1:15000	Dec 2005

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