## **AD 2. AERODROMES**

## **VOBM AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

VOBM - BELGAUM / DOMESTIC

## VOBM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	155130N 0743704E 086.75 DEG MAG/846M from physical beginning of RWY08	
2	Direction and distance of aerodrome reference point from the centre of the city or town which the aerodrome serves	090 DEG/10KM from Belgaum city	
3	Aerodrome elevation and reference temperature	2488 FT / 36.0 DEG C	
4	Magnetic variation, date of information and annual change	1.41 DEG W (2010) /0.0333 DEG E	
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)		
		Telephone:	+91-831-2562020
		Fax:	+91-831-2562030
		AFS:	VOBMYHYX VOBMYDYX
		Email:	apcvabm@aai.aero
6	Types of traffic permitted (IFR/VFR)	IFR/VFR	
7	Remarks	NIL	

## **VOBM AD 2.3 OPERATIONAL HOURS**

1.	Aerodrome Operator	MON-FRI 0400-1230 UTC (0930-1800 IST) SAT, SUN + HOL: Nil
2.	Custom and immigration	NIL
3.	Health and sanitation	NIL
4.	AIS briefing office	NIL
5.	ATS reporting office (ARO)	As ATS
6.	MET Briefing office	As ATS (Available Class III)
7.	Air Traffic Service	Consult NOTAM for current ATS HR.
8.	Fuelling	As ATS
9.	Handling	In coordination with Airline Operator
10.	Security	AS ATS
11.	De-icing De-icing	NIL
12.	Remarks	Outside of ATS hours services are available on request with 48 HR prior notice to aerodrome.

## VOBM AD 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	In Coordination with Airline Operator
2.	Fuel/Oil types	JET A1 (Grade K-50) ATF Grade K-50 Jet A1
3.	Fuelling facilities/capacity	2 Bowser 9000 liters each
4.	De-icing facilities	NIL
5.	Hangar space for visiting aircraft	NIL
6.	Repair facilities for visiting aircraft	NIL
7.	Remarks	NIL

## **VOBM AD 2.5 PASSENGER FACILITIES**

1.	Hotel(s) at or in the vicinity of aerodromes	In the city.
2.	Restaurant(s) at or in the vicinity of aerodromes	In the city.
3.	Transportation possibilities	Taxis in the City
4.	Medical Facilities	First aid at AD. Hospital in the city.
5.	Bank and post office at or in the vicinity of aerodromes	Banks: In the city. Post office: In the city.
6.	Tourist office	NIL
7.	Remarks	NIL

## VOBM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	Aerodrome category for fire fighting	Within ATS HR: CAT-4
2.	Rescue equipment	Available as per category
3.	Capability for removal of disabled aircraft	NIL
4.	Remarks	NIL

## VOBM AD 2.7 SEASONAL AVAILABILITY CLEARING

1.	Types of clearing equipment	NIL
2.	Clearance priorities	NIL
3.	Remarks	NIL

AIRAC effective date AIP 2.0 Airports Authority of India

## VOBM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Designation, surface and strength of aprons	Designator: APRON Surface: Macadam Strength: PCN 20/F/C/W/T
2	Designation, width, surface and strength of taxiways	Designator: TWY Width: 15 M Surface: Macadam Strength: PCN 20/F/C/W/T
3	Location and elevation of altimeter checkpoints	Location: Nose wheel point No. 2 Elevation: 2471FT
4	Location of VOR checkpoints	On TWY (R315/0.3NM)
5	Position of INS checkpoints	NIL
6	Remarks	Refer Aircraft Parking & Docking Chart for Details

## VOBM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Guidelines at Apron, Apron safety line and Aircraft stand markings, Apron Flood Lights available., Signage Boards: RWY 08/26 and TWY A, B
2.	RWY and TWY markings and LGT	RWY Markings: Designation, THR, Centerline, Edge RWY Lights: THR, Edge, Turning pad lights for RWY26  TWY Markings: Centerline & Holding Positions TWY Lights: Edge
3.	Stop bars	NIL
4.	Remarks	NIL

## **VOBM AD 2.10 AERODROME OBSTACLES**

In Approach/Take-off/Circling Area and at AD					
1	2	3	4	5	6
RWY/Area affected	Obstacle type	Coordinates	Elevation	Marking/LGT	Remarks
26/TKOF 08/APCH	TREE	155128.3N 0743622.5E	2497 FT	NIL	Group of Trees
26/TKOF 08/APCH	TREE	155129.6N 0743632.1E	2490 FT	NIL	Group of Trees
26/TKOF 08/APCH	WALL	155124.3N 0743633.7E	2483 FT	NIL	Airport boundary wall with fence on top (wall top-756.4)
26/APCH 08/TKOF	TREE	155146.6N 0743752.1E	2494 FT	NIL	Tree
26/APCH 08/TKOF	TREE	155147.1N 0743754.4E	2508 FT	NIL	Tree
26/APCH 08/TKOF	TREE	155142.1N 0743801.0E	2499 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155142.8N 0743817.8E	2534 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155141.9N 0743755.8E	2505 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155141.9N 0743757.5E	2490 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155143.8N 0743754.4E	2500 FT	NIL	Group of Trees

		n Approach/Take-off/C	ircling Area and at A	AD	
1	2	3	4	5	6
RWY/Area affected	Obstacle type	Coordinates	Elevation	Marking/LGT	Remarks
26/APCH 08/TKOF	TREE	155148.7N 0743755.2E	2519 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155145.1N 0743755.1E	2497 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155141.9N 0743805.8E	2515 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155142.6N 0743807.6E	2532 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155147.7N 0743814.7E	2529 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155150.8N 0743815.4E	2534 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155140.5N 0743818.3E	2547 FT	NIL	Group of Trees
26/APCH 08/TKOF	TREE	155148.2N 0743826.3E	2550 FT	NIL	Group of Trees
26/APCH 08/TKOF	OTHER	155141.9N 0743738.3E	2456 FT	NIL	Mobile road traffic (road elev-743.5 + 5M traffic HT)
26/APCH 08/TKOF	POLE	155142.6N 0743738.7E	2463 FT	NIL	Electric Pole
26/APCH 08/TKOF	POLE	155142.9N 0743740.3E	2460 FT	NIL	Electric pole
26/APCH 08/TKOF	POLE	155143.7N 0743741.4E	2459 FT	NIL	Electric pole
26/APCH 08/TKOF	POLE	155246.0N 0744225.1E	3029 FT	NIL	Cell phone Mast
26/APCH 08/TKOF	NATURAL HIGHPOINT	155234.3N 0744207.0E	2944 FT	NIL	Hill Top
In circling area and at AD	OTHER	155124.7N 0743635.2E	2486 FT	NIL	Security guard hut
In circling area and at AD	POLE	155121.5N 0743634.7E	2494 FT	NIL	Electric Pole
In circling area and at AD	TREE	155120.1N 0743628.3E	2517 FT	NIL	Group of Trees
In circling area and at AD	TREE	155130.5N 0743633.1E	2487 FT	NIL	Group of Trees
In circling area and at AD	TREE	155130.9N 0743633.0E	2507 FT	NIL	Group of Trees
In circling area and at AD	TREE	155132.4N 0743631.9E	2488 FT	NIL	Group of Trees
In circling area and at AD	OTHER	155125.0N 0743635.3E	2486 FT	NIL	Mobile road traffic (road elev-752.6 + 5.0 M Traffic HT)
In circling area and at AD	OTHER	155127.5N 0743634.7E	2477 FT	NIL	Approach Light
In circling area and at AD	TREE	155142.0N 0743732.1E	2474 FT	NIL	Tree
In circling area and at AD	TREE	155132.4N 0743735.3E	2499 FT	NIL	Tree
In circling area and at AD	TREE	155131.1N 0743738.0E	2511 FT	NIL	Tree
In circling area and at AD	OTHER	155141.8N 0743732.0E	2461 FT	NIL	Security hut

AIRAC effective date AIP 2.0 Airports Authority of India

	I	n Approach/Take-off/C	Circling Area and at A	AD.	
1	2	3	4	5	6
RWY/Area affected	Obstacle type	Coordinates	Elevation	Marking/LGT	Remarks
In circling area and at AD	POLE	155134.2N 0743741.5E	2460 FT	NIL	Electric Pole
In circling area and at AD	OTHER	155141.7N 0743735.6E	2464 FT	NIL	Mobile road traffic (road elev-746.1 + 5.0 M Traffic HT)
In circling area and at AD	WALL	155141.9N 0743735.7E	2452 FT	NIL	Airport boundary wall with fence on top (wall top-747.0)
In circling area and at AD	WALL	155143.0N 0743732.2E	2456 FT	NIL	Airport boundary wall with fencing on top
In circling area and at AD	POLE	155143.3N 0743732.2E	2470 FT	NIL	Electric Pole
In circling area and at AD	POLE	155143.9N 0743730.6E	2471 FT	NIL	Electric Pole
In circling area and at AD	POLE	155142.8N 0743733.8E	2471 FT	NIL	Electric Pole
In circling area and at AD	POLE	155142.2N 0743735.3E	2471 FT	NIL	Electric Pole
In circling area and at AD	POLE	155142.3N 0743737.0E	2467 FT	NIL	Electric Pole
In circling area and at AD	TREE	155145.1N 0743734.8E	2480 FT	NIL	Group of Trees
In circling area and at AD	POLE	155141.6N 0743735.9E	2457 FT	NIL	Light Pole
In circling area and at AD	OTHER	155136.0N 0743736.4E	2466 FT	NIL	Mobile road traffic (road elev-746.6 + 5 M Traffic HT)
In circling area and at AD	WALL	155135.8N 0743737.1E	2460 FT	NIL	Airport boundary wall with fencing on top
In circling area and at AD	TREE	155132.2N 0743743.0E	2495 FT	NIL	Tree
In circling area and at AD	OTHER	155141.6N 0743718.1E	2491 FT	NIL	Met Observatory
In circling area and at AD	OTHER	155137.3N 0743655.2E	2504 FT	NIL	W.D.I
26/APCH 08/TKOF	ANTENNA	155245.5N 0744224.1E	3115 FT	NIL	Cell Phone Mast

## VOBM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Name of the associated meteorological office	Bengaluru
2.	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	H24
3.	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	Bengaluru 9 HR(00-09, 03-12, 06-15, 09-18, & 21-06)
4.	Availability of the trend forecast for the aerodrome and interval of issuance	NIL
5.	Information on how briefing and/or consultation is provided	Available
6.	Types of flight documentation supplied and language(s) used in flight documentation	Tabular Form (English)
7.	Charts and other information displayed or available for briefing or consultation	NIL
8.	Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images;	NIL
9.	The air traffic services unit(s) provided with meteorological information	Belgaum ATC and ACS
10.	Additional information, e.g. concerning any limitation of service.	NIL.

## **VOBM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

Designations	TRUE Bearings	Dimensions of RWY (M)	Strength of pavement (PCN) and associated data) and surface of runway and associated stopways	Geographical coordinates for threshold and runway end
1	2	3	4	5
08	79.27 DEG	1830 x 45 M	30/F/C/W/T Macadam	THR: 155128.30N 0743638.85E
26	259.27 DEG	1830 x 45 M	30/F/C/W/T Macadam	THR: 155138.76N 0743735.84E

THR elevation and highest elevation of TDZ of precision APP RWY	Slope of runway and associated stopway	Dimensions of stopway (M)	Dimensions of clearway (M)	Dimensions of strips (M)
6	7	8	9	10
THR: 2477.0FT TDZ: 2480.0FT	-0.43%			1950 x 150 M
THR: 2450.0FT TDZ: 2463.0FT	0.43%			1950 x 150 M

AIRAC effective date AMDT 01/2018 Airports Authority of India

Dimensions of runway end safety areas	Location and description of arresting system (if any)	Existence of an obstacle-free zone	Remarks.
11	12	13	14
90M x 90M			NIL
90M x 90M			NIL

## **VOBM AD 2.13 DECLARED DISTANCES**

RWY Designation	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks (including runway entry or start point where alternative reduced declared distances have been declared) Remarks
1	2	3	4	5	6
08	1830	1830	1830	1725	Slope 1:50
26	1830	1830	1830	1830	Slope 1:50

## **VOBM AD 2.14 APPROACH AND RUNWAY LIGHTING**

Runway Designator	Type, length and intensity of approach lighting system	Runway threshold lights, colour and wing bars	Type of visual slope indicator system	Length of runway touchdown zone lights
1	2	3	4	5
08	SALS 420 M LIH	Green	PAPI LEFT/3.00 DEG	NIL
26	SALS 150 M LIH	Green	PAPI LEFT/3.00 DEG	NIL
Length, spacing, colour and intensity of runway centre line lights	Length, spacing, colour and intensity of runway edge lights	Colour of runway end lights and wing bars	Length and colour of stopway lights	Remarks
6	7	8	9	10
	1830 M 60 M White LIH	Red		NIL
	1830 M 60 M White LIH	Red		NIL

## **VOBM AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

1	Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if	ABN	On Tower Building, FLG W&G EV 2SEC As ATS HR
	any)	IBN	NIL
2	Location and lighting (if any) of anemometer/	LDI	NIL
	landing direction indicator;	Anemometer	AVBL
3	Taxiway edge and taxiway centre line lights;	Edge	Available
		Centre Line	NIL
4	Secondary power supply including switch-over time;	Secondary power supply to all lighting at AD. Switch-over time: 15 Sec.	
5	Remarks	NIL	

## **VOBM AD 2.16 HELICOPTER LANDING AREA**

1.	Geographical coordinates of the geometric centre of touchdown and liftoff (TLOF) or of each threshold of final approach and take-off (FATO) area	
2.	TLOF and/or FATO area elevation:	
3.	TLOF and FATO area dimensions to the nearest metre or foot, surface type, bearing strength and marking;	
4.	True bearings of FATO;	
5.	Declared distances available	
6.	Approach and FATO lighting;	
7.	Remarks	Not Established

## VOBM AD 2.17 ATS AIRSPACE

1.	Airspace designation, geographical coordinates and lateral limits	CTR: Area bounded by lines joining points 154725N 0740615E; 154134N 0741437E; 152310N 0742631E then along the counter clockwise arc of a circle of 30NM radius centred on ARP VOBM (155130N 0743704E) to point of origin.
2.	Vertical limits	FL 95
3.	Airspace classification	D
4.	Call sign and language(s) of the air traffic services unit providing service;	Belgaum Tower, English
5.	Transition altitude	6000 FT
6.	Hours of applicability	НО
7.	Remarks	NIL

AIRAC effective date AMDT 01/2018 Airports Authority of India

## **VOBM AD 2.18 ATS COMMUNICATION FACILITIES**

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	2	3	4
TWR	Belgaum Tower	118.050 MHZ	

Logon Hours of operation address, as appropriate		Remarks	
5	6	7	
	As ATS	APP,TWR & SMC Combined	

## **VOBM AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type of aids, magnetic and type of supported operation for ILS/MLS, basic GNSS, SBAS and GBAS, and for VOR/ILS/MLS station used for technical lineup of the aid	Identification	Frequency(ies), Channel number(s), Service provider, and reference path identifier(s) (RPI), as appropriate	Hours of operation, as appropriate;
1	2	3	4
DVOR/DME	BBM	112.100 MHz CH58X	H24
Geographical coordinates of the position of the transmitting antenna	Elevation of transmitting antenna of DME/ elevation of GBAS reference point	Service volume radius from the GBAS reference point	Remarks
5	6	7	8
155125.7N 0743709.5E	2520 FT		

<b>VOBM AD 2.20</b>	LOCAL AERODROME REGULA	ATIONS

-----

## **VOBM AD 2.21 NOISE ABATEMENT PROCEDURES**

-----

## **VOBM AD 2.22 FLIGHT PROCEDURES**

1. Circling Approach is prohibited as the surrounding hills are not lighted

## **VOBM AD 2.23 ADDITIONAL INFORMATION**

-----

## VOBM AD 2.24 CHARTS RELATED TO AN AERODROME

- 1. Aerodrome Chart
- 2. Aircraft Parking/Docking Chart
- 3. Aerodrome Obstacle Chart Type A (Obstacle Limitations) RWY 08
- 4. Aerodrome Obstacle Chart Type A (Obstacle Limitations) RWY 26
- 5. VOR Procedure RWY 08
- 6. VOR Procedure RWY 26

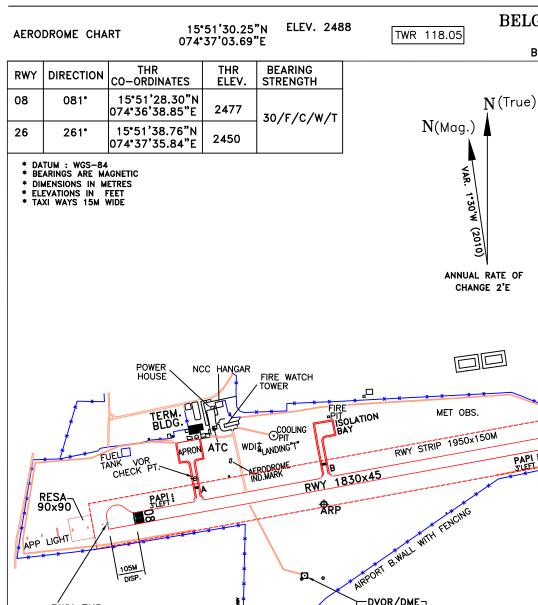
AIRAC effective date AIP 2.0 Airports Authority of India

BELGAUM, INDIA

BELGAUM AIRPORT

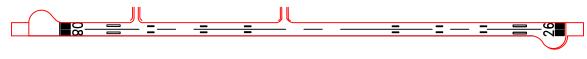
**RWY END ELEV.2450** 

PAPI :



MARKINGS AIDS RUNWAY 08/26

2000FEET 600METRES



NOTE: -

1. AERONAUTICAL GROUND LIGHTS ARE NOT SHOWN IN THIS CHART

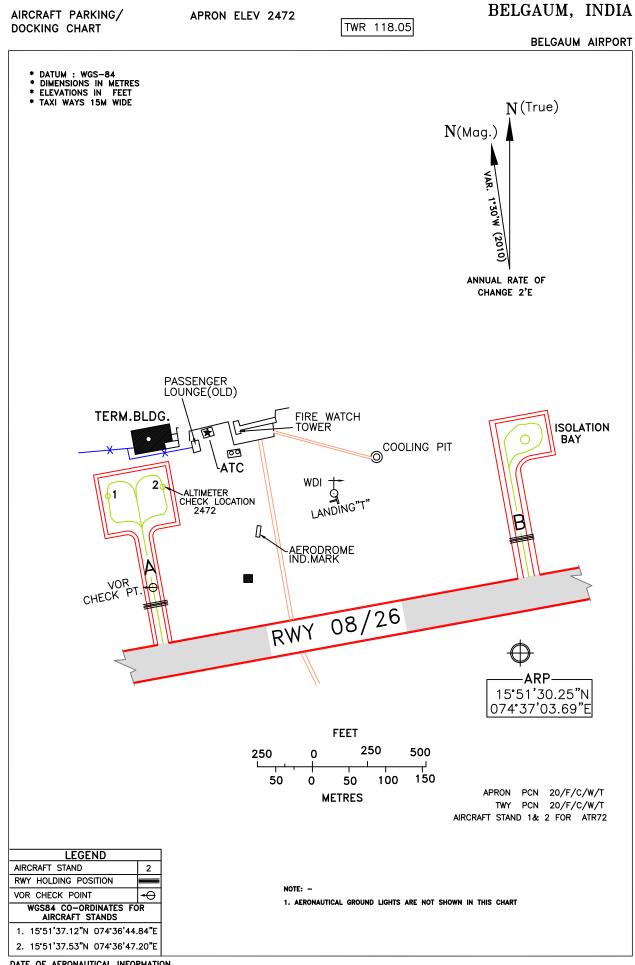
DVOR/DME

BBM 112.1 1082/1019

DATE OF AERONAUTICAL INFORMATION AUGUST 2014

**RWY END** 

**ELEV. 2476** 



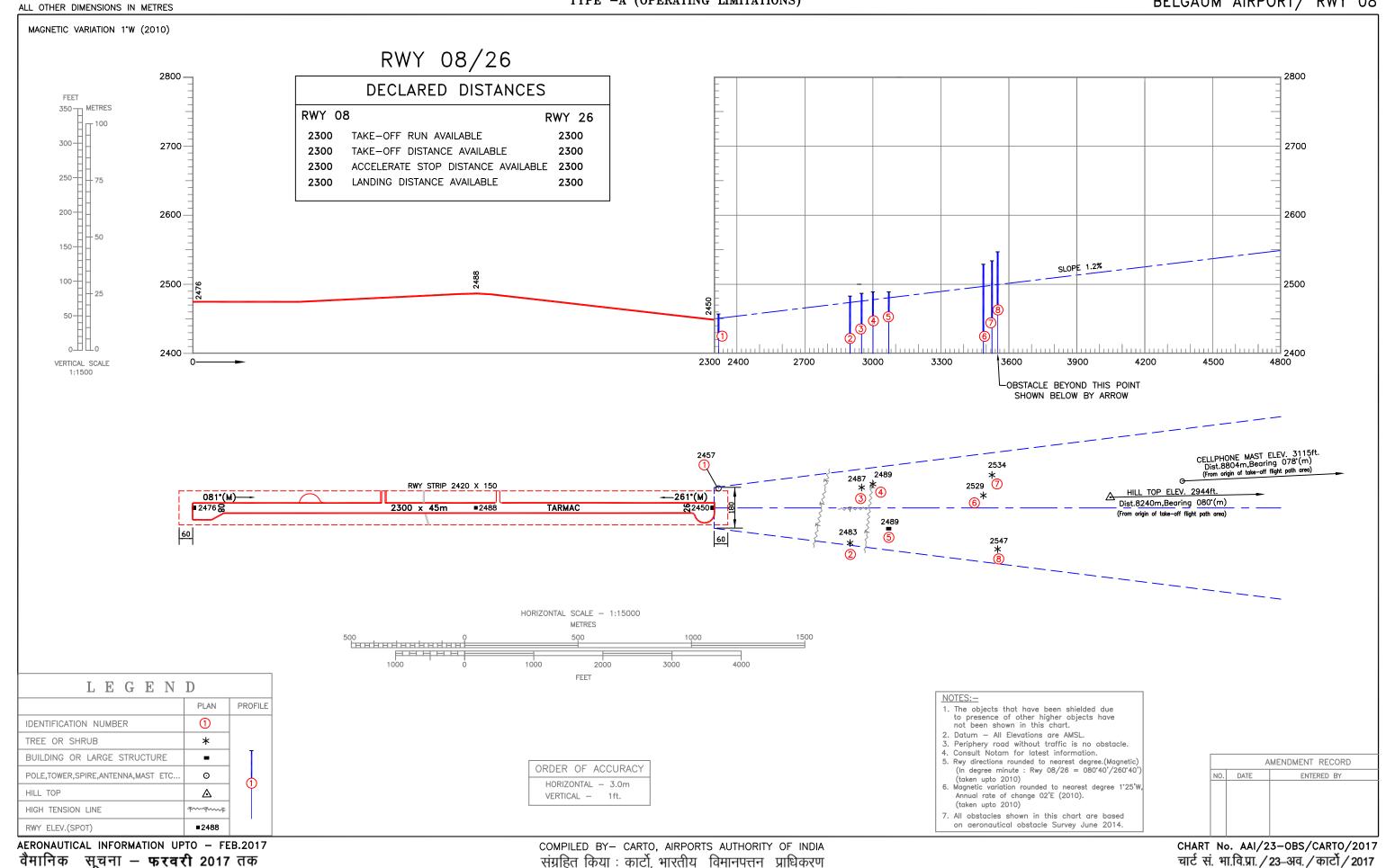
DATE OF AERONAUTICAL INFORMATION MAY 2016

ELEVATIONS IN FEET

# AERODROME OBSTACLE CHART

INDIA/BELGAUM BELGAUM AIRPORT/ RWY 08

TYPE -A (OPERATING LIMITATIONS)



संग्रहित किया : कार्टी, भारतीय विमानपत्तन प्राधिकरण

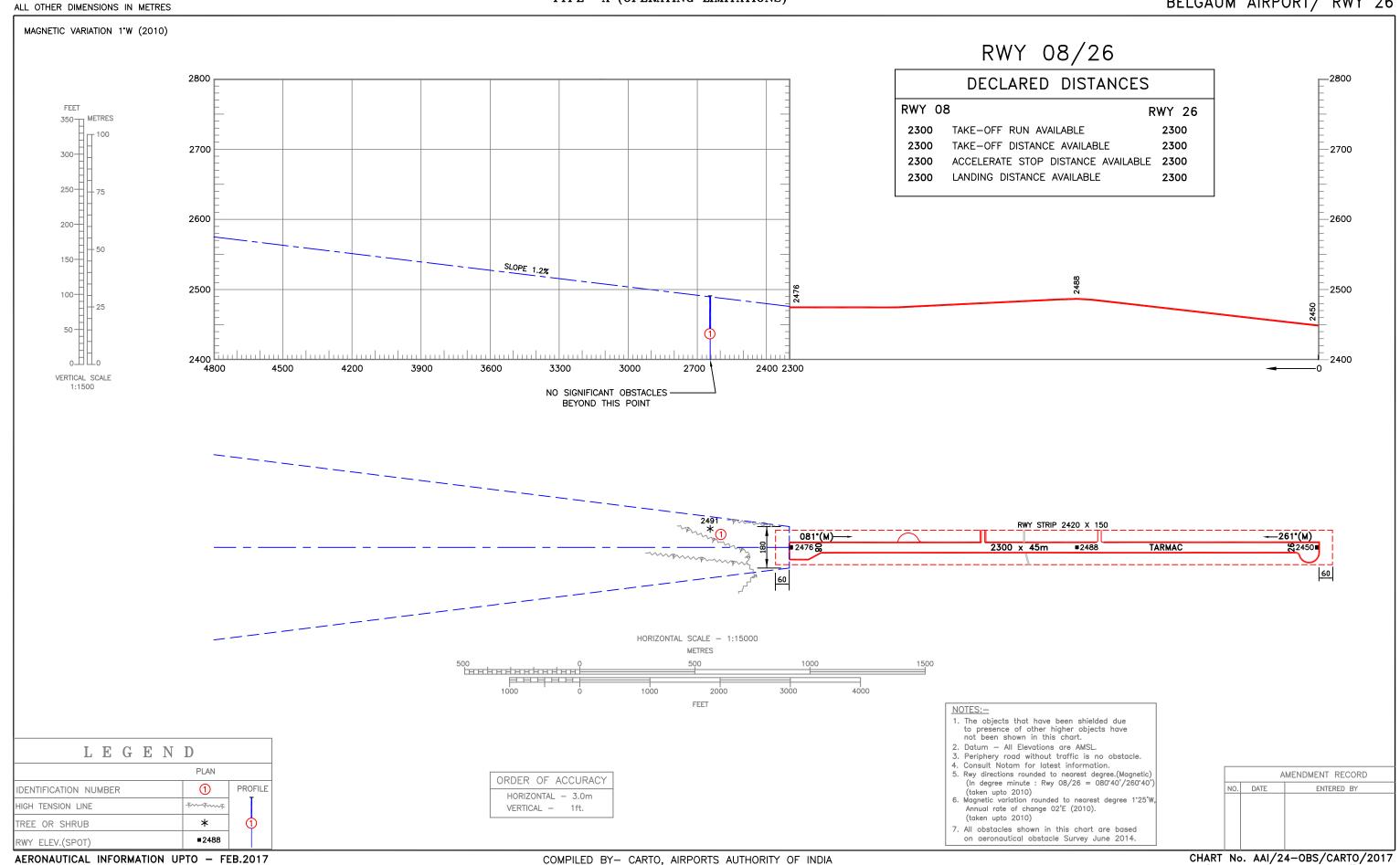
वैमानिक सूचना — फरवरी 2017 तक

ELEVATIONS IN FEET

## AERODROME OBSTACLE CHART

TYPE -A (OPERATING LIMITATIONS)

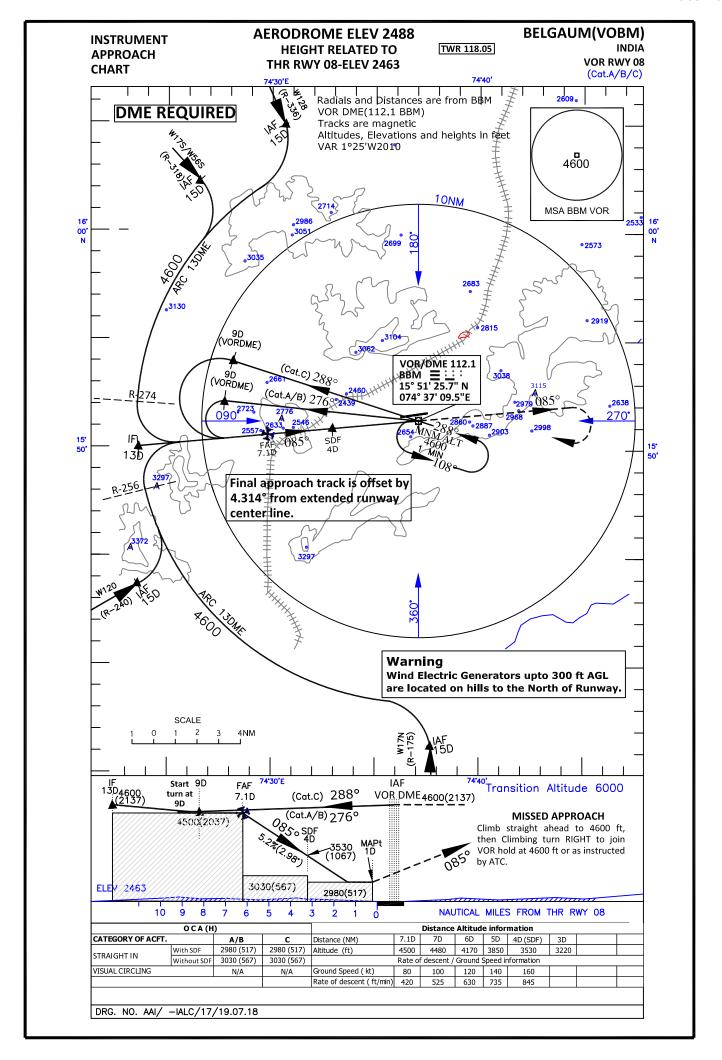
INDIA/BELGAUM
BELGAUM AIRPORT/ RWY 26



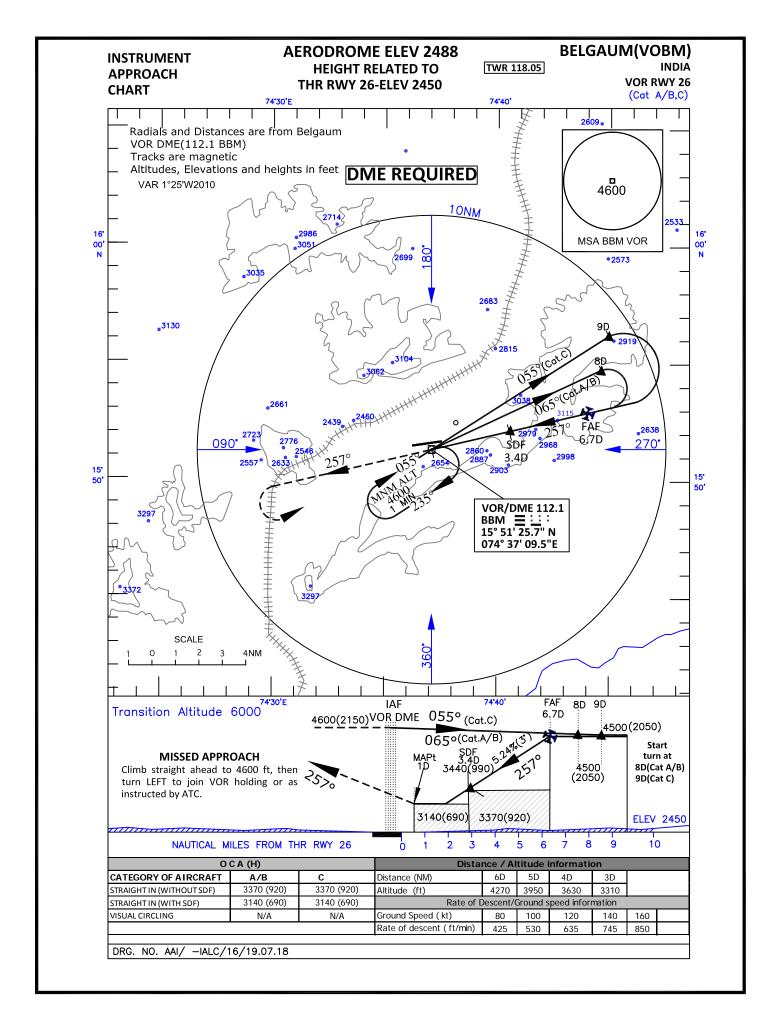
संग्रहित किया : कार्टी, भारतीय विमानपत्तन प्राधिकरण

वैमानिक सूचना - फरवरी 2017 तक

चार्ट सं. भा.वि.प्रा. / 24-अव. / कार्टी / 2017



Airports Authority of India AMDT 01/2018



Airports Authority of India AMDT 01/2018