

**AD 2. AERODROMES****VABV AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

VABV - BHAVNAGAR / DOMESTIC

**VABV AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1	Aerodrome reference point coordinates and its site	214515N 0721126E 254 DEG/410M from RWY25 extremity.
2	Direction and distance of aerodrome reference point from the center of the city or town which the aerodrome serves	145 DEG, 9KM from Bhavnagar railway station.
3	Aerodrome elevation and reference temperature	44 FT / 40.0 DEG C
4	Magnetic variation, date of information and annual change	0.75 DEG W (1985) /0.02 DEG W
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)	Airports Authority of India, Bhavnagar Airport, Bhavnagar - 364001
	Telephone:	+91-278-2212971 +91-278-2203213 +91-9427211500
	Fax:	+91-278-2203991 +91-278-2201840
	AFS:	VABVYDYX VABVYHYX
	Email:	apdbv@AAI.AERO
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	NIL

**VABV 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	As ATS
5	ATS reporting office (ARO)	As ATS
6	MET Briefing office	NIL
7	Air Traffic Service	Consult NOTAM for current ATS HR.
8	Fuelling	NIL
9	Handling	O/R with 12 Hrs Prior Notice
10	Security	As ATS
11	De-icing	NIL
12	Remarks	1. Outside of ATS hour's services are available O/R with 24 HR PN to AD. 2. The ATS approved hourly RWY TFC handling capacity is as flw: Max number of ARR and DEP -06 (the minimum spacing between two successive arrivals shall be more than five min) Max number of arrivals only - 02 Max number of departures only - 02

**VABV AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	Limited - Manual
2	Fuel and Oil types	Fuel ATF FAC AVBL at VABV airport FM 16.05.2018 by BPCL.
3	Fuelling facilities and capacity	30KL Storage tank, 24KL Refueler
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

**VABV AD 2.5 PASSENGER FACILITIES**

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

**VABV AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1	Aerodrome category for fire fighting	Within ATS HR: CAT-6
2	Rescue equipment	Available as per category.
3	Capability for removal of disabled aircraft	NIL
4	Remarks	NIL

**VABV AD 2.7 SEASONAL AVAILABILITY CLEARING**

1	Type(s) of clearing equipment	NIL
2	Clearance priorities	NIL
3	Remarks	NIL

**VABV AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA**

1	Designation, surface and strength of aprons	Designator: APRON-Bhavnagar Airport Surface: Asphalt Strength: PCN 58/F/C/W/T
2	Designation, width, surface and strength of taxiways	Designator: TWY Width: 23 M Surface: Asphalt Strength: PCN 54/F/C/W/T
3	Location and elevation of altimeter checkpoints	Location: 214511.3N 0721102.1E Elevation: 30FT
4	Location of VOR checkpoints	On TWY A near Holding position
5	Position of INS checkpoints	NIL
6	Remarks	Apron dimensions 108M x 76.1M.

**VABV AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS**

1	Use of aircraft stand identification signs, taxiway guidelines and visual docking/parking guidance system at aircraft stands	Taxiing guidance provided on R/T Guidelines at Apron.
2	Runway and taxiway markings and lights	RWY Markings Designation, THR, TDZ, Centreline, Edge, End RWY Lights: EDGE, END TWY Marking: Centreline, Holding Position, Edge. TWY Lights: Edge
3	Stop bars (if any)	NIL
4	Remarks	NIL

**VABV 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
25/TKOF 07/APCH	OTHER	214456.8N 0721030.3E	72 FT	NIL	HUT
25/TKOF 07/APCH	OTHER	214454.5N 0721032.6E	51 FT	NIL	FENCE
25/TKOF 07/APCH	OTHER	214448.9N 0721023.9E	71 FT	NIL	HUT
25/TKOF 07/APCH	OTHER	214450.0N 0721022.3E	73 FT	NIL	HUT
25/TKOF 07/APCH	OTHER	214448.2N 0721022.3E	75 FT	NIL	HUT
25/TKOF 07/APCH	OTHER	214445.6N 0721021.5E	78 FT	NIL	HUT
25/TKOF 07/APCH	OTHER	214446.4N 0721024.7E	79 FT	NIL	HUT
25/TKOF 07/APCH	OTHER	214448.7N 0721018.3E	77 FT	NIL	HUT
25/TKOF 07/APCH	POLE	214443.2N 0721018.1E	95 FT	NIL	ELECT.POLE
25/TKOF 07/APCH	POLE	214445.2N 0721014.7E	93 FT	NIL	ELECT.POLE
25/TKOF 07/APCH	POLE	214446.6N 0721012.7E	96 FT	NIL	ELECT.POLE
25/TKOF 07/APCH	POLE	214447.6N 0721011.4E	97 FT	NIL	ELECT.POLE
25/TKOF 07/APCH	POLE	214451.0N 0721008.7E	101 FT	NIL	ELECT.POLE
25/TKOF 07/APCH	POLE	214451.3N 0721005.4E	106 FT	NIL	ELECT.POLE
25/TKOF 07/APCH	POLE	214449.8N 0721004.9E	102 FT	NIL	ELECT.POLE
25/TKOF 07/APCH	POLE	214451.5N 0721005.1E	106 FT	NIL	ELECT.POLE
25/TKOF 07/APCH	POLE	214447.2N 0721011.0E	92 FT	NIL	TELE.POLE
25/TKOF 07/APCH	POLE	214446.4N 0721010.3E	124 FT	NIL	TREE
25/TKOF 07/APCH	POLE	214443.2N 0721013.7E	89 FT	NIL	BUILDING

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
25/TKOF 07/APCH	OTHER	214448.4N 0721004.0E	113 FT	NIL	DISC ANT ON BLDG
25/TKOF 07/APCH	OTHER	214443.2N 0721017.2E	87 FT	NIL	MOB.RD.TFC

**VABV AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Name of the associated meteorological office	Bhavnagar
2	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	As ATS
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	Ahmedabad 9HR
4	Availability of the trend forecast for the aerodrome and interval of issuance	NIL
5	Information on how briefing and/or consultation is provided	NIL
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	Bhavnagar ATC and ACS
10	Additional information, e.g. concerning any limitation of service.	Document provided on request.

**VABV 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
07	68.25 DEG	1920 x 45 M	54/F/C/W/T Asphalt	THR: 214458.90N 0721046.10E
25	248.25 DEG	1920 x 45 M	54/F/C/W/T Asphalt	THR: 214519.40N 0721139.70E

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: 38.4FT TDZ:	-0.34%	NIL	NIL	2040 x 150 M
THR: 22.3FT TDZ:	0.34%	107 x 45 M	NIL	2040 x 150 M

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	NIL
NIL		NIL	NIL

**VABV AD 2.13 DECLARED DISTANCES**

RWY Designator	Take-off run available TORA (M)	Take-off distance available TODA (M)	Accelerate distance available ASDA (M)	Landing distance available LDA (M)	Remarks (including runway entry or start point where alternative reduced declared distances have been declared)
1	2	3	4	5	6
07	1920	1920	1920	1660	Nil
25	1920	1920	2027	1920	

**VABV 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
07	SALS 300 M LIH	NIL	PAPI LEFT/3.00 DEG MEHT (15.04M)	NIL
25	SALS 180 M LIH	NIL	PAPI LEFT/3.00 DEG MEHT (15.36M)	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
	LIH	NIL	NIL	NIL
	LIH	NIL	NIL	NIL

**VABV AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

1	Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any)	ABN	At tower building, FLG W & G EV 2 Sec
		IBN	NIL
2	Location and lighting (if any) of anemometer/landing direction indicator;	LDI	254 DEG, 725M from ARP Unlighted.
		Anemometer	On Tower building. Unlighted.
3	Taxiway edge and taxiway centre line lights;	Edge	NIL
		Centre Line	NIL
4	Secondary power supply including switch-over time;	Secondary power supply to all lighting at AD. Switch over time 13 Sec.	
5	Remarks	NIL	

**VABV AD 2.16 HELICOPTER LANDING AREA**

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

**VABV AD 2.17 AIR TRAFFIC SERVICE AIRSPACE**

1	Airspace designation, geographical coordinates and lateral limits	CTR: Circular area centered on DVOR BVR (214507N 0721126E) within a 25NM radius.
2	Vertical limits	FL 145
3	Airspace classification	D
4	Call sign and language(s) of the air traffic services unit providing service;	Bhavnagar Tower, English
5	Transition altitude	4000 FT
6	Hours of applicability	HO
7	Remarks	NIL

**VABV AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES**

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	2	3	4
TWR	Bhavnagar Tower	118.150 MHZ	
TWR	Bhavnagar Tower	120.800 MHZ	
ATIS	----	128.025 MHZ	

Logon address, as appropriate	Hours of operation	Remarks
5	6	7
	As ATS	Alternate Frequency
	As ATS	NIL
	As ATS	NIL

**VABV AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

Type of aids, magnetic variation 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
LOC 25	IBHR	109.900 MHz	As ATS
GP 25	GP25	333.800 MHz	As ATS
DME ILS 25	IBHR	CH36X	As ATS
DVOR/DME	BVR	114.100 MHz CH88X	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
214454.9N 0721034.1E			
214520.0N 0721128.4E			
214520.0N 0721128.4E	69 FT		
214507.3N 0721126.1E	43 FT		

**VABV AD 2.20 LOCAL AERODROME REGULATIONS**

NIL

**VABV AD 2.21 NOISE ABATEMENT PROCEDURES**

NIL

**VABV AD 2.22 FLIGHT PROCEDURES**

NIL

**VABV AD 2.23 ADDITIONAL INFORMATION**

1.Bird activity in and around airfield. Pilots to exercise caution.

2.Additional caution for hills with respect to ARP Bhavnagar:

- i.HILL TOP 994FT 210DEG 10NM
- ii.HILL TOP 541FT 235DEG 12NM
- iii.HILL TOP 610FT 258DEG 12NM

3.Total aircraft stands: 02. Critical aircraft B737-700

4.TWY centre point: 214508.66N 0721103.53E

5.TWY end near RWY: 214507.06N 0721104.21E

**VABV AD 2.24 CHARTS RELATED TO AN AERODROME**

1.ILS Procedure RWY 25

2.VOR (Z) Procedure RWY 07

3.VOR (Z) Procedure RWY 25



**INSTRUMENT  
APPROACH  
CHART**

72°00' E

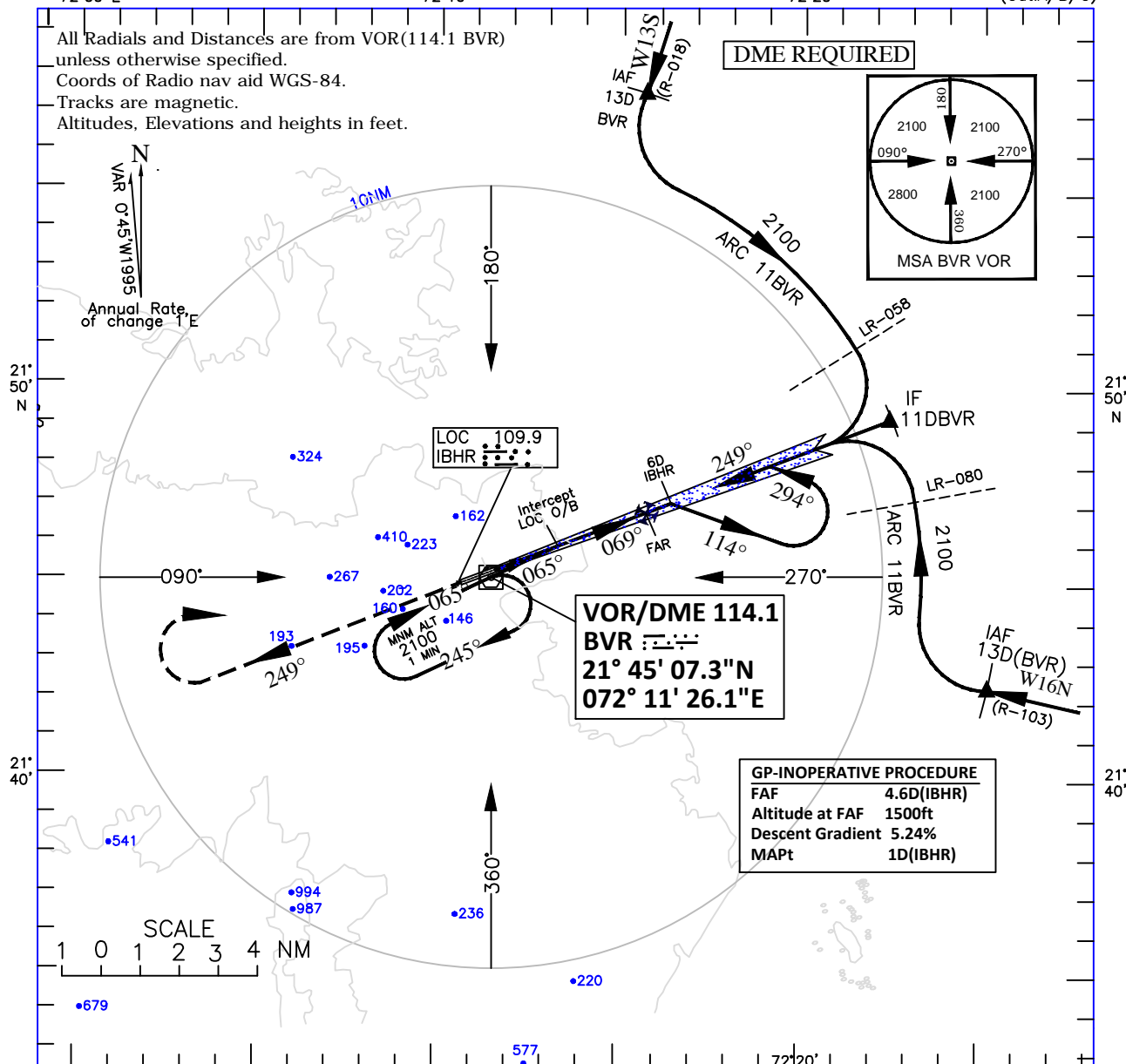
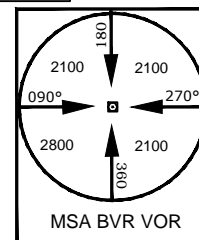
**AERODROME ELEV 44 ft**  
**HEIGHT RELATED TO**  
**THR RWY 25 ELEV 22 ft**

TWR.120.8

**BHAVNAGAR**  
INDIA  
**ILS RWY 25**  
(Cat.A/B/C)

All Radials and Distances are from VOR(114.1 BVR)  
unless otherwise specified.  
Coords of Radio nav aid WGS-84.  
Tracks are magnetic.  
Altitudes, Elevations and heights in feet.

N  
VAR 045°W1995  
Annual Rate  
of change 1°E

**DME REQUIRED****MISSED APPROACH**

Climb straight ahead to 2100ft. then turn  
RIGHT to VOR to join holding or as  
instructed by ATC.

ILS RDH 50

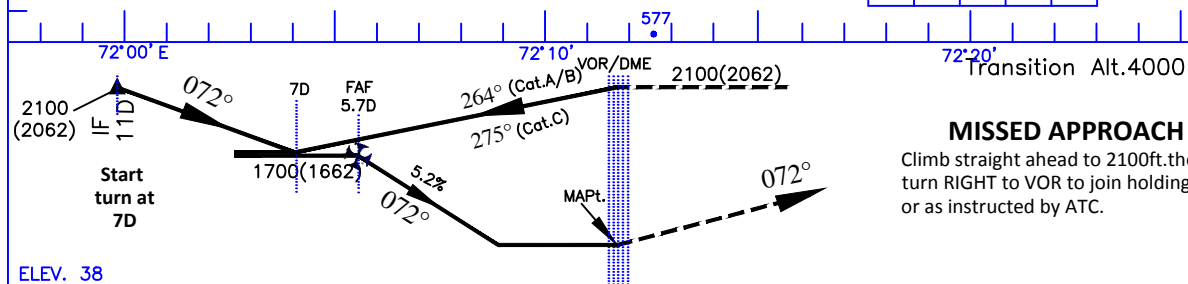
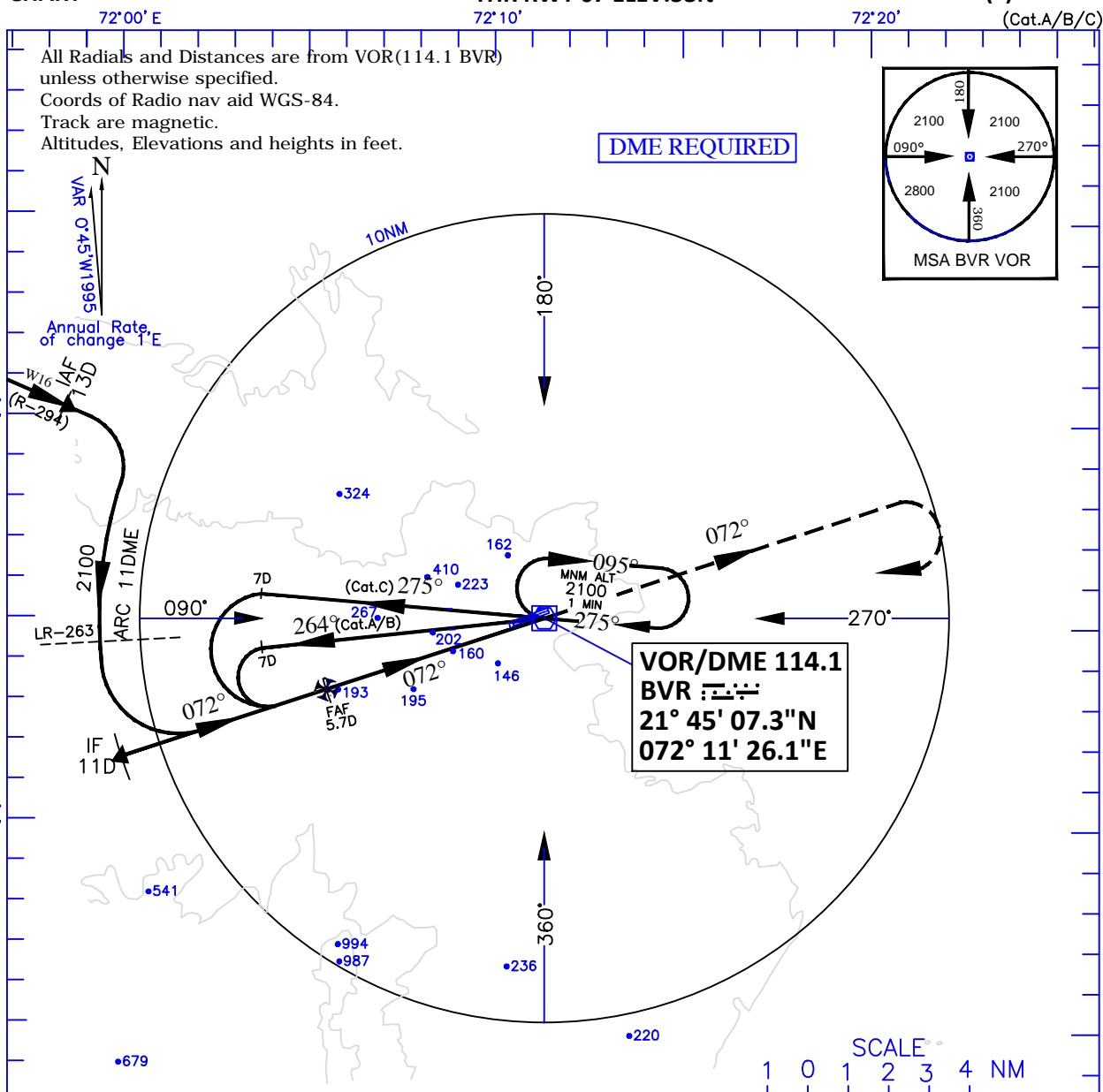
Nautical miles from THR RWY 27

O C A (H)			Distance (IBHR)/Altitude information for G.P.inoperative procedure					
CATEGORY OF AIRCRAFT	A/B	C	Distance (NM)	4.6D	4D	3D	2D	
STRAIGHT IN	242(220)	242(220)	Altitude (FT)	1500	1300	980	660	
CIRCLING	710(666)	810(766)	Rate of Descent /Ground speed information(G.P.inop)					
GP in - op Procedure :			Ground Speed ( kt.)	80	100	120	140	160
STRAIGHT IN	450(428)	450(428)	Rate of descent ( ft./min.	420	525	630	735	845
CIRCLING	710(666)	810(766)						

DRG.NO.AAI/10-IALC/95/01-05-2016

**INSTRUMENT  
APPROACH  
CHART****AERODROME ELEV. 44ft.**  
**HEIGHT RELATED TO**  
**THR RWY 07 ELEV.38ft**

TWR.120.8

**BHAVNAGAR**  
**INDIA**  
**VOR (Z) RWY 07**  
(Cat.A/B/C)

ELEV. 38

O C A (H)			Distance (VORDME) / Altitude information					
CATEGORY OF AIRCRAFT	A/B	C	Distance(NM)	5.7D	5D	4D	3D	2D
STRAIGHT IN	520(482)	520(482)	Altitude(Ft.)	1700	1480	1160	840	530
CIRCLING	710(666)	810(766)	Time & Rate of Descent information					
			Ground speed (kt.)	80	100	120	140	160
			Rate of descent (ft/min)	420	525	630	735	845

DRG. NO. AAI/02-IALC/95/01-05-2016

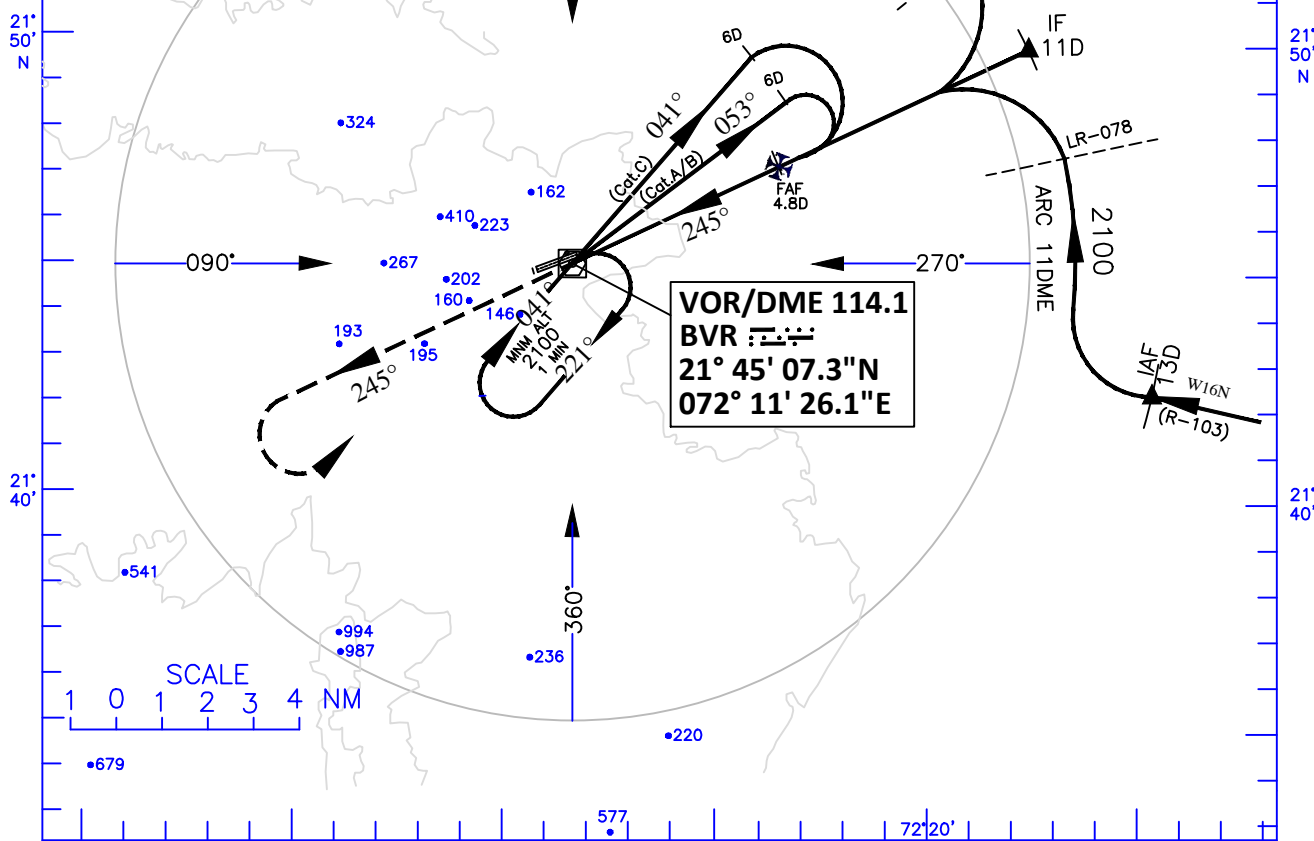
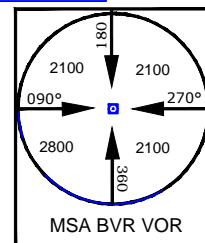
**INSTRUMENT  
APPROACH  
CHART****AERODROME ELEV. 44ft.  
HEIGHT RELATED TO  
THR RWY 25 ELEV.22ft**

TWR.120.8

**BHAVNAGAR  
INDIA  
VOR (Z) RWY 25  
(Cat.A/B/C)**

All Radials and Distances are from VOR(114.1 BVR)  
unless otherwise specified.  
Coords of Radio nav aid WGS-84.  
Track are magnetic.  
Altitudes, Elevations and heights in feet.

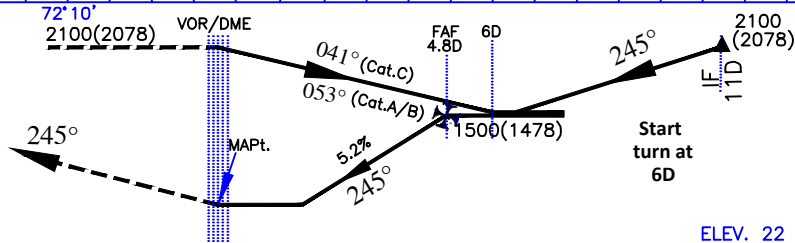
N  
VAR 0°45'W1995  
Annual Rate  
of change 1°E

**DME REQUIRED**

Transition Alt.4000

**MISSED APPROACH**

Climb straight ahead to 2100ft.then  
turn LEFT to VOR to join holding or  
as instructed by ATC.



Nautical miles from THR RWY 25

O C A (H)			Distance (VORDME) / Altitude information				
CATEGORY OF AIRCRAFT	A/B	C	Distance(NM)	4.8D	4D	3D	2D
STRAIGHT IN	450(428)	450(428)	Altitude(Ft.)	1500	1250	940	620
CIRCLING	710(666)	810(766)	Time & Rate of Descent information				
			Ground speed (kt.)	80	100	120	140
			Rate of descent (ft/min)	420	525	630	735

DRG. NO. AAI/01-IALC/95/01-05-2016