

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

VAPR - PORBANDAR / DOMESTIC

VAPR AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	213901N 0693931E 346 DEG 85.64M FM INT OF RWY AND TWY A
2	Direction and distance of aerodrome reference point from the center of the city or town which the aerodrome serves	090 DEG, 5KM from the city
3	Aerodrome elevation and reference temperature	23 FT / 32.0 DEG C
4	Magnetic variation, date of information and annual change	0.80 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, Porbandar Airport, Porbandar - 360577, Telephone: +91-286-2220650, +91-286-2220033 Fax: +91-286-2220033 AFS: VAPRYDYX Email:
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	NIL

VAPR 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	As ATS
7	Air Traffic Service	Consult NOTAM for Current ATS HR.
8	Fuelling	As ATS
9	Handling	NIL
10	Security	H24
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 follows: Max number of ARR and DEP -12 (the minimum spacing between two successive arrivals shall be more than five min) Max number of arrivals only - 06 Max number of departures only - 10

VAPR AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	NIL
2	Fuel and Oil types	JET A1

3	Fuelling facilities and capacity	2 Refueller, 9000 /6000 litres,6 liters/min
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

VAPR 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	In the city.
3	Transportation possibilities	Taxi Available
4	Medical Facilities	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	
7	Remarks	NIL

VAPR 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

VAPR AD 2.7 SEASONAL AVAILABILITY CLEARING

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

VAPR AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Designation, surface and strength of aprons	Designator: New Apron Surface: Concrete Strength: PCN 35/R/B/W/T Designator: Old Apron Surface: Concrete Strength: PCN 5/R/B/W/T
2	Designation, width, surface and strength of taxiways	Designator: TWY A Width: 23 M Surface: Concrete Strength: PCN 35/R/B/W/T Designator: TWY B Width: 15 M Surface: Macadam Strength: PCN 10/F/B/W/T
3	Location and elevation of altimeter checkpoints	Location At apron Elevation 20FT
4	Location of VOR checkpoints	At TWY A
5	Position of INS checkpoints	NIL

6	Remarks	1.TWY A centreline and RWY intersection Coordinates: 213858.63028N 0693931.82883E 2.For New Apron Longitudinal Slope = 0%, Transverse Slope=0.58% (Average) on both sides.
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VAPR 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	Taxi guidance provided on R/T, Guidelines at Apron Mandatory Signage and Info Signs Available.
2	Runway and taxiway markings and lights	RWY Markings: Lights: Edge, End & THR TWY Marking: Lights: TWY A, EDGE
3	Stop bars (if any)	NIL
4	Remarks	LDG "T" AVBL.

VAPR 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
27/TKOF 09/APCH	TREE	213856.6N 0693843.0E	57 FT	NIL	GP of Trees
27/TKOF 09/APCH	TREE	213856.8N 0693843.6E	55 FT	NIL	GP of Trees
27/TKOF 09/APCH	TREE	213856.7N 0693855.7E	28 FT	NIL	Tree

VAPR AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Name of the associated meteorological office	Porbandar
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	Ahmadabad 00-09, 03-12, 06-15
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;	Telephone +91-286-2220955
9	The air traffic services unit(s) provided with meteorological information	Porbandar TWR
10	Additional information, e.g. concerning any limitation of service.	Documentation provided A/R. Wind cone AVBL.

VAPR 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
09	88.25 DEG	1372 x 45 M	22/F/B/W/T Asphalt	THR: 213857.63N 0693900.26E
27	268.25 DEG	1372 x 45 M	22/F/B/W/T Asphalt	THR: 213859.08N 0693946.42E

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: 23.0FT TDZ:	0.19%	NIL		1492 x 150 M
THR: 14.0FT TDZ:	0.19%	NIL		1492 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			Slope of RWY: 0.19% in AP, 0.80% transverse
90M x 90M			Slope of RWY: 0.19% in AP, 0.80% transverse

VAPR 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
09	1372	1372	1372	1372	
27	1372	1372	1372	1372	

VAPR 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
09	NIL		PAPI MEHT (28.00FT)	
27	NIL		PAPI MEHT (29.00FT)	

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
	LIH			NIL

VAPR 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 EV2SEC As ATS HR
		IBN	
2	Location and lighting (if any) of anemometer/landing direction indicator;	LDI	Front of TWY, LGTD
		Anemometer	NIL
3	Taxiway edge and taxiway centre line lights;	Edge	TWY A
		Centre Line	
4	Secondary power supply including switch-over time;	Secondary Power supply to all lighting.	
5	Remarks	APRON EDGE LGT AVBL. APRON FLOOD LGT, LDI & ABN LGHT AVBL.	

VAPR 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

VAPR AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

1	Airspace designation, geographical coordinates and lateral limits	CTR: Area bounded by lines joining points 214502N 0692659E; 215002N 0693459E; 215202N 0695759E; 213902N 0700459E; 212902N 0694359E to point of origin.
2	Vertical limits	FL 105
3	Airspace classification	D
4	Call sign and language(s) of the air traffic services unit providing service;	Porbandar Tower, English
5	Transition altitude	4000 FT
6	Hours of applicability	HO
7	Remarks	NIL

VAPR AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	2	3	4
TWR	Porbandar Tower	118.850 MHZ	

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

VAPR 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
VOR/DME	PBN	112.400 MHz CH71X	As ATS
NDB	PR	344 kHz	As ATS

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
213905.0N 0693920.7E	53 FT		
213828.3N 0693945.3E			

VAPR AD 2.20 LOCAL AERODROME REGULATIONS
-----**VAPR AD 2.21 NOISE ABATEMENT PROCEDURES**
-----**VAPR AD 2.22 FLIGHT PROCEDURES**
-----**VAPR AD 2.23 ADDITIONAL INFORMATION**

Details of TWY's	Length of TWY	Width of shoulder	Distance of TWY from RWY 27 beginning
TWY 'A'	168.00 M	7.50 M	442.0M
TWY 'B'	289.0 M	---	785.0M

VAPR AD 2.24 CHARTS RELATED TO AN AERODROME

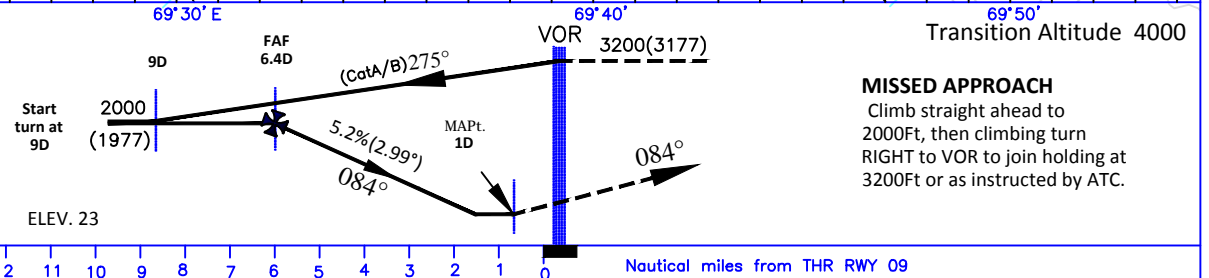
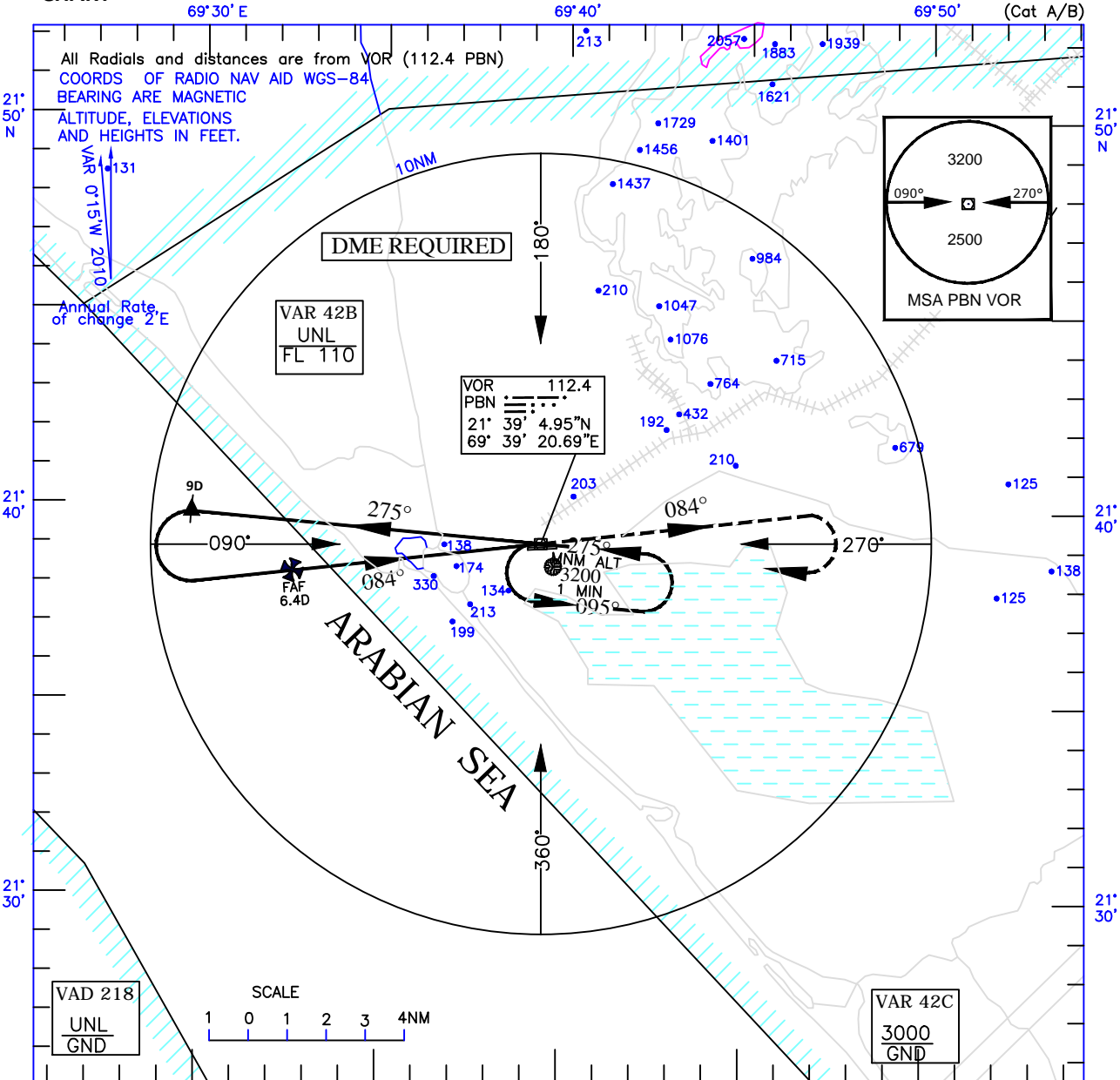
- 1.VOR Procedure RWY09 (CAT A/B)
- 2.VOR Procedure RWY27 CAT A/B)
- 3.NDB Procedure RWY 09
- 4.NDB Procedure RWY 27

INSTRUMENT
APPROACH
CHART

AERODROME ELEV. 23Ft
HEIGHT RELATED TO
THR RWY 09 - ELEV. 23Ft

PORBANDAR
INDIA
VOR RWY 09
(Cat A/B)

TWR 122.3



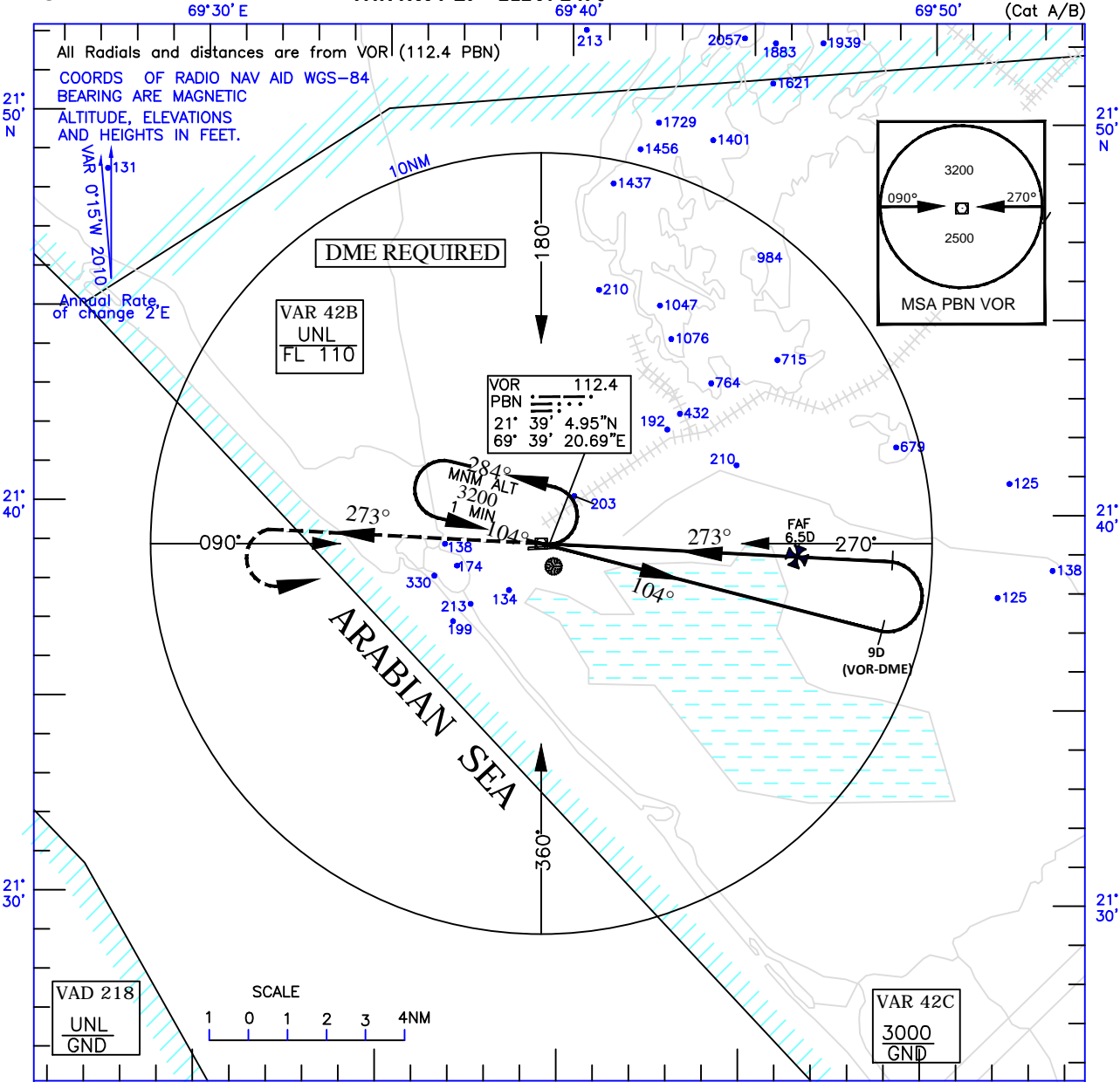
O C A(H)		Distance/Altitude Information						
CAT. OF ACFT	A/B	Distance(NM)	6.4D	6D	5D	4D	3D	2D
STRAIGHT-IN	580 (557)	Altitude (Ft)	2000	1880	1560	1240	920	610
VISUAL CIRCLING	630 (607)	Rate of descent./Ground Speed Information						
		Ground speed (Kt)		80	100	120	140	
		Rate of descent (Ft/min)		420	525	630	740	

INSTRUMENT
APPROACH
CHART

AERODROME ELEV. 23Ft
HEIGHT RELATED TO
THR RWY 27 - ELEV. 14Ft

TWR 122.3

PORBANDAR
INDIA
VOR RWY 27
(Cat A/B)



Transition Altitude 4000

MISSED APPROACH
Climb straight ahead to 2000Ft, then climbing turn LEFT to VOR to join holding at 3200Ft or as instructed by ATC.

3200(3186) VOR 104° (CatA/B) FAF 6.5D 9D 2000 Start turn at 9D

273° MAPt. 1D 5.2% (2.99°) 2000 (1986) ELEV. 14

Nautical miles from THR RWY 27

OCA (H)		Distance/Altitude Information						
CAT. OF ACFT	A/B	Distance(NM)	6.5D	6D	5D	4D	3D	2D
STRAIGHT-IN	420 (406)	Altitude (Ft)	2000	1850	1530	1210	890	570
VISUAL CIRCLING	630 (607)	Rate of descent./Ground Speed Information						
		Ground speed (Kt)		80	100	120	140	
		Rate of descent (Ft/min)		420	525	635	740	

DRG. NO. AAI/-IALC/2012/ 01.05.16

AIRPORTS AUTHORITY OF INDIA

