AD 2. AERODROMES

VAUD AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VAUD - UDAIPUR / DOMESTIC

VAUD AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	243703N 0735340E 76.5 DEG/300M from intersection of RWY and TWY	
2	Direction and distance of aerodrome reference point from the center of the city or town which the aerodrome serves	075 DEG/20 KM from Udaipur City Railway Station.	
3	Aerodrome elevation and reference temperature	1684 FT / 39.0 DEG C	
4	Magnetic variation, date of information and annual change	0.00 DEG (2010) /0.033 DEG E	
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)	Airport Director, Airports Authority of India, Maharana Pratap Airport, Udaipur -313022.,	
		Telephone:	+91-294-2655950 +91-9414159950
		Fax:	+91-294-2655953
		AFS:	VAUDYHYX
		Email:	apdvaud@AAI.AERO
6	Types of traffic permitted (IFR/VFR)	IFR/VFR	
7	Remarks	NIL	

VAUD 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	Provided as per ATS
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	As ATS
10	Security	H24
11	De-icing	NIL
12	Remarks	1.Outside of ATS HRS, services are available on request with 24 HR prior notice to Airport Director. 2.The approved hourly RWY traffic handling capacity is as follows: Maximum number of arrivals and departures: 12 Maximum number of arrival only: 06 Maximum number of departures only: 10

VAUD AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil

2	Fuel and Oil types	JET A1 JET A1 (ATF)
3	Fuelling facilities and capacity	IOCL: 3Bowsers,16000 Liters each, 20Litres/sec Reliance: 1 Bowser 16000 liters, 700 liters/min 2 Bowsers 11000 liters each ,700 liters/min 2 Bowsers 6000 liters each, 500 liters /min
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	NIL

VAUD 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 car hire from the AD.
4	Medical Facilities	First aid at AD, Hospital in the city.
5	Bank and post office at or in the vicinity of aerodrome	Banks: YES Bank ATM open round the clock. Post office: A post drop box is available outside Terminal Building.
6	Tourist office	At Aerodrome
7	Remarks	NIL

VAUD 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

VAUD AD 2.7 SEASONAL AVAILABILITY CLEARING

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

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

1	Designation, surface and strength of aprons	Designator: APRON Surface: Concrete Strength: PCN 76/R/B/W/T

2	Designation, width, surface and strength of taxiways	Designator: TWY A Width: 23 M Surface: Asphalt Strength: PCN 59/F/C/W/T Designator: TWY B Width: 23 M Surface: Asphalt Strength: PCN 59/F/C/W/T Designator: TWY C Width: 15 M Surface: Asphalt Strength: Designator: TWY D Width: 23 M Surface: Asphalt Strength: PCN 85/R/C/W/T
3	Location and elevation of altimeter checkpoints	At Apron 1672 FT
4	Location of VOR checkpoints	At TWY B with the radial and distance from UUD VOR (115.9 MHZ) COORD (243704.242N 0735329.343E) 333 Radial/0.4 NM
5	Position of INS checkpoints	Nil
6	Remarks	1.Apron Dimension: 165M X 91M with 7.5M shoulder on North, West and South sides. Location: 85M North of RWY 08/26 at a distance of 524.35M from beginning of RWY 08. Elevation of the highest point of Apron: 510.315M AMSL 2.TWY A (length: 85M) located North of RWY 08/26, at a distance of 524.35M from the beginning of RWY08. 3.TWY D (length:193M) located north of RWY 08/26, at a distance of 2301M from the beginning of RWY08. 4.Length of TWY B: 85M 5.Length of TWY C: 158M 6.TWY C suitable for aircraft Type A, AUW upto 1723Kg (for private use only) 7.Shoulder of width 7.5M available for TWY A, B and D. 8.ISOLATION BAY: Size 91MX76M with 7.5 shoulders on each side. Location: 193M North of RWY 08/26 at a distance of 2301M from beginning of RWY 08. PCN: 85/R/C/W/T. Elevation of the highest point of the isolation bay: 507.25M

VAUD 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	All stands are provided with stand identification signs. Nose-wheel guide lines at apron. Taxing guidance signage's are provided on all TWY as per ICAO Annex-14. Visual Docking and Guidance System provided for Bay No. 2 & Bay No.3

2	Runway and taxiway markings and lights	RWY Markings Designation, THR, TDZ, Centreline, Aiming point, edge. Lights THR, EDGE and RWY END TWY Marking Centreline, Holding Position, Edge. Lights Edge.
3	Stop bars (if any)	Nil
4	Remarks	Medium Intensity Apron and TWY Edge Lights

VAUD 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	OTHER	243657.9N 0735301.5E	1707 FT	NIL	MOBILE RD. TFC
26/TKOF 08/APCH	OTHER	243657.0N 0735304.9E	1691 FT	NIL	SPOT LEVEL
26/TKOF 08/APCH	OTHER	243655.2N 0735301.9E	1697 FT	NIL	FENCING TOP
26/TKOF 08/APCH	OTHER	243654.1N 0735305.2E	1704 FT	NIL	FENCING TOP
26/TKOF 08/APCH	OTHER	243654.7N 0735256.3E	1703 FT	NIL	SPOT LEVEL
26/TKOF 08/APCH	OTHER	243658.8N 0735254.2E	1702 FT	NIL	SPOT LEVEL
26/TKOF 08/APCH	OTHER	243659.0N 0735252.9E	1715 FT	NIL	LOC HUT
26/TKOF 08/APCH	OTHER	243659.3N 0735252.2E	1712 FT	NIL	FENCING TOP
26/TKOF 08/APCH	TREE	243656.5N 0735249.4E	1759 FT	NIL	TREE
26/TKOF 08/APCH	TREE	243657.4N 0735248.6E	1744 FT	NIL	TREE
26/TKOF 08/APCH	OTHER	243653.9N 0735258.2E	1713 FT	NIL	KUTCHA WAY
26/TKOF 08/APCH	TREE	243655.3N 0735233.0E	1761 FT	NIL	TREE
26/TKOF 08/APCH	TREE	243651.2N 0735234.4E	1743 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243706.2N 0735432.1E	1724 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243712.6N 0735436.6E	1699 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243713.9N 0735441.9E	1704 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243707.7N 0735439.0E	1696 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243708.0N 0735433.8E	1689 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243710.2N 0735444.2E	1706 FT	NIL	TREE

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/APCH 08/TKOF	TREE	243715.7N 0735448.4E	1709 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243707.1N 0735451.8E	1730 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243711.9N 0735452.8E	1724 FT	NIL	TREE
26/APCH 08/TKOF	TREE	243713.9N 0735457.2E	1718 FT	NIL	TREE

VAUD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Name of the associated meteorological office	Udaipur
2	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	As ATS HR
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	Jaipur/Delhi 9 HR
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	VAUD Udaipur ATC and ACS
10	Additional information, e.g. concerning any limitation of service.	Documentation provided O/R.

VAUD 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	82.17 DEG	2281 x 45 M	105/F/C/W/T Asphalt	THR: 243658.90N 0735311.20E
26	262.17 DEG	2281 x 45 M	105/F/C/W/T Asphalt	THR: 243708.40N 0735426.40E

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: 1680.0FT TDZ:	-0.24%	NIL	--NIL	2401 x 150 M
THR: 1663.0FT TDZ:	0.24%	NIL	--NIL	2401 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
140M x 90M		---	1. 59/F/C/W/T in 155M from physical beginning of both ends of RWY 08/26. 2. 72/F/C/W/T between 155M to 244M from beginning of RWY 08. 3. 72/F/C/W/T between 155M to 214M from beginning of RWY 26 4. PCN of Turn Pads on both ends: 34/R/C/W/T. Type Rigid.
150M x 90M	--	---	1. 59/F/C/W/T in 155M from physical beginning of both ends of RWY 08/26. 2. 72/F/C/W/T between 155M to 244M from beginning of RWY 08. 3. 72/F/C/W/T between 155M to 214M from beginning of RWY 26 4. PCN of Turn Pads on both ends: 34/R/C/W/T. Type Rigid.

VAUD 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
08	2281	2281	2281	2131	---
26	2281	2281	2281	2281	---

VAUD 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	Green	PAPI LEFT/3.00 DEG	
26	CAT I 900 M LIH	Green	PAPI LEFT/3.00 DEG	

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
	2281 M 60 M White LIH	Red		Cross Bar at 300M from THR RWY08
	2281 M 60 M White LIH	Red		--

VAUD AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any)	ABN	At Aerodrome Control Tower Building, FLG W&G EV2SEC. As ATS HR HO
		IBN	Nil
2	Location and lighting (if any) of anemometer/ landing direction indicator;	LDI	North of RWY
		Anemometer	East of APRON.
3	Taxiway edge and taxiway centre line lights;	Edge	ALL TWY
		Centre Line	NIL
4	Secondary power supply including switch-over time;	Secondary Power supply to all lighting at AD. Switch-over time: 7 SEC. Switch-over time APCH RWY 26: 12Sec.	
5	Remarks	NIL	

VAUD 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

VAUD AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

1	Airspace designation, geographical coordinates and lateral limits	CTR: Circular area centered on DVOR UUD (243646N 0735339E) within a 30NM radius.
2	Vertical limits	FL 145
3	Airspace classification	D
4	Call sign and language(s) of the air traffic services unit providing service;	Udaipur Tower, English
5	Transition altitude	6000 FT
6	Hours of applicability	HO
7	Remarks	NIL

VAUD AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	**2**	**3**	**4**
TWR	Udaipur Tower	118.650 MHZ	
TWR	Udaipur Tower	122.300 MHZ	
ATIS	---	128.850 MHZ	

Logon address, as appropriate	Hours of operation	Remarks
5	**6**	**7**
	As ATS	Main Frequency
	As ATS	Stand by Frequency
	As ATS	NIL

VAUD 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 26	IUDR	109.900 MHz	As ATS
GP 26	IUDR	333.800 MHz	As ATS
DME ILS 26	IUDR	CH36X	As ATS
DVOR/DME	UUD	115.900 MHz CH106X	H24
NDB	LU	384 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
243656.2N 0735254.1E			
243711.2N 0735415.7E			
243711.2N 0735415.7E	1710 FT		Collocated with GP26
243646.2N 0735338.8E	1719 FT		
243715.0N 0735333.0E			

VAUD AD 2.20 LOCAL AERODROME REGULATIONS

NIL

VAUD AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VAUD AD 2.22 FLIGHT PROCEDURES

NIL

VAUD AD 2.23 ADDITIONAL INFORMATION

i.Aircraft Stands' Details

Stand No.	Aircraft code	Aircraft type	Remarks
1	Code C	A321-B737/800	Power-in/Push-back
2	Code D	B767/300	Power-in/Push-back
3	Code D	B767/300	Power-in/Push-back
4	Code C	A321-B737/800	Power-in/Push-back
5	Code C	A321-B737/800	Power-in/Push-back
6	Code B	Max length-17M and Wing Span-17.65M	Power-in/Power-out
7	Code B	Max length-17M and Wing Span-17.65M	Power-in/Power-out
8	Code B	Max length-17M and Wing Span-17.65M	Power-in/Power-out
9	Code B	Max length-17M and Wing Span-17.65M	Power-in/Power-out
10	Code B	Max length-17M and Wing Span-17.65M	Power-in/Power-out
11	Code B	Max length-17M and Wing Span-17.65M	Power-in/Power-out
12	Code B	Max length-17M and Wing Span-15M	Power-in/Power-out

ii.All 180 degrees turn on RWY should be made only on turn pad.

iii.NON- SKED operator to take positive clearance from Udaipur ATC at least 24 HRS in Advance due to shortage of parking bays.

iv.Stand No. 2 and Stand No. 3 equipped with VDGS.

v.Two additional lighted wind direction indicators one towards left side of RWY26 abeam threshold and other towards left side of RWY 08 abeam threshold installed and operational.

VAUD AD 2.24 CHARTS RELATED TO AN AERODROME

1.Aerodrome Obstacle Chart Type-A (Obstacle Limitations) RWY 08

2.Aerodrome Obstacle Chart Type-A (Obstacle Limitations) RWY 26

3.ILS (Z) Procedure RWY 26

4.ILS (Y) Procedure RWY 26

5.VOR (Z) Procedure RWY 26

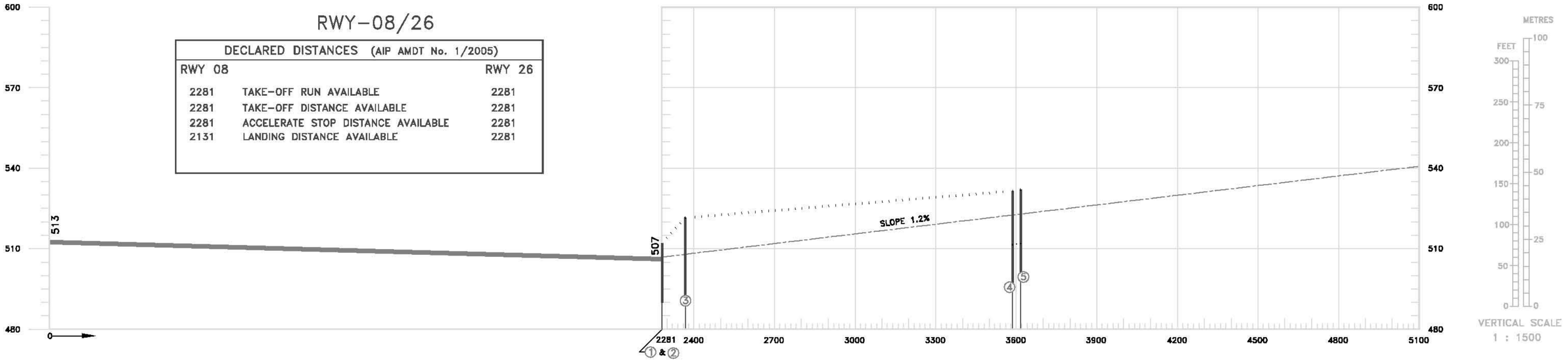
AERODROME OBSTACLE CHART
TYPE–A (OPERATING LIMITATIONS)

INDIA / UDAIPUR
MAHARANA PRATAP AIRPORT/RWY–08

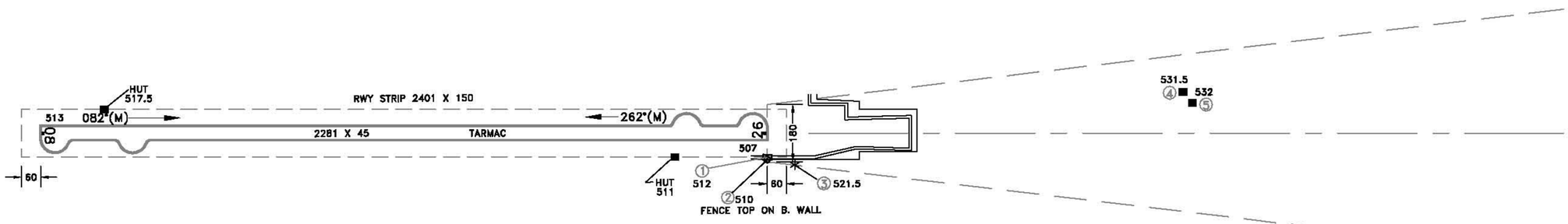
DIMENSIONS AND ELEVATIONS IN METRES

CONSULT NOTAM FOR LATEST INFORMATION

MAGNETIC VARIATION 1°W 1995



DECLARED DISTANCES (AIP AMDT No. 1/2005)		
RWY 08		RWY 26
2281	TAKE–OFF RUN AVAILABLE	2281
2281	TAKE–OFF DISTANCE AVAILABLE	2281
2281	ACCELERATE STOP DISTANCE AVAILABLE	2281
2131	LANDING DISTANCE AVAILABLE	2281



HORIZONTAL SCALE – 1 : 15000

METRES

500 0 500 1000 1500

1000 0 1000 2000 3000 4000

FEET

LEGEND	
IDENTIFICATION NUMBER	①
TREE OR SHRUB	*
MOBILE ROAD TRAFFIC	
POLE,TOWER,SPIRE,ANTENNA ETC.	⊙
BUILDING OR LARGE STRUCTURE	■

ORDER OF ACCURACY	
HORIZONTAL	1.0m
VERTICAL	0.5m

NOTES:

1. The objects that have been shielded due to presence of other higher objects have not been shown in this chart.
2. Obstructions in the form of trees which are being cut or pruned have not been taken into consideration for establishing threshold displacement.
3. Datum – All Elevations are AMSL.
4. All obstacles shown in this chart are based on aeronautical obstacle Survey Aug, 2004.

AMENDMENT RECORD		
NO.	DATE	ENTERED BY

AERONAUTICAL INFORMATION UPTO – JAN. 2005

COMPILED BY–CARTOGRAPHY UNIT, AIRPORTS AUTHORITY OF INDIA

CHART No.AAI/14–OBS/CARTO/2006

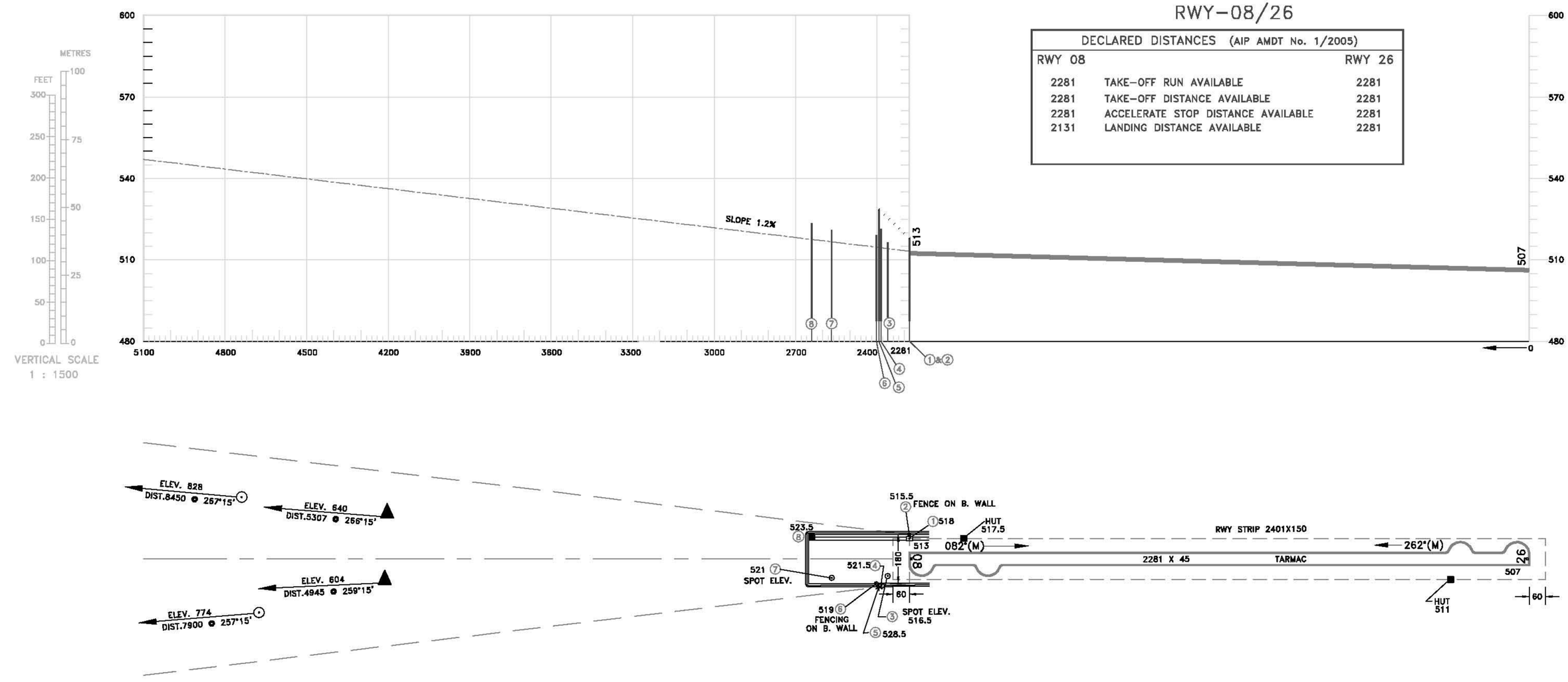
AERODROME OBSTACLE CHART
TYPE–A(OPERATING LIMITATIONS)

DIMENSIONS AND ELEVATIONS IN METRES

CONSULT NOTAM FOR LATEST INFORMATION

INDIA/UDAIPUR
MAHARANA PRATAP AIRPORT/RWY–26

MAGNETIC VARIATION 1°W 1995



DECLARED DISTANCES (AIP AMDT No. 1/2005)		
RWY 08		RWY 26
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2281	TAKE–OFF DISTANCE AVAILABLE	2281
2281	ACCELERATE STOP DISTANCE AVAILABLE	2281
2131	LANDING DISTANCE AVAILABLE	2281

LEGEND	
IDENTIFICATION NUMBER	①
TREE OR SHRUB	*
HILLOCK	▲
POLE,TOWER,SPIRE,ANTENNA ETC.	⊙
BUILDING OR LARGE STRUCTURE	■

ORDER OF ACCURACY	
HORIZONTAL	1.0m
VERTICAL	0.5m

NOTES:

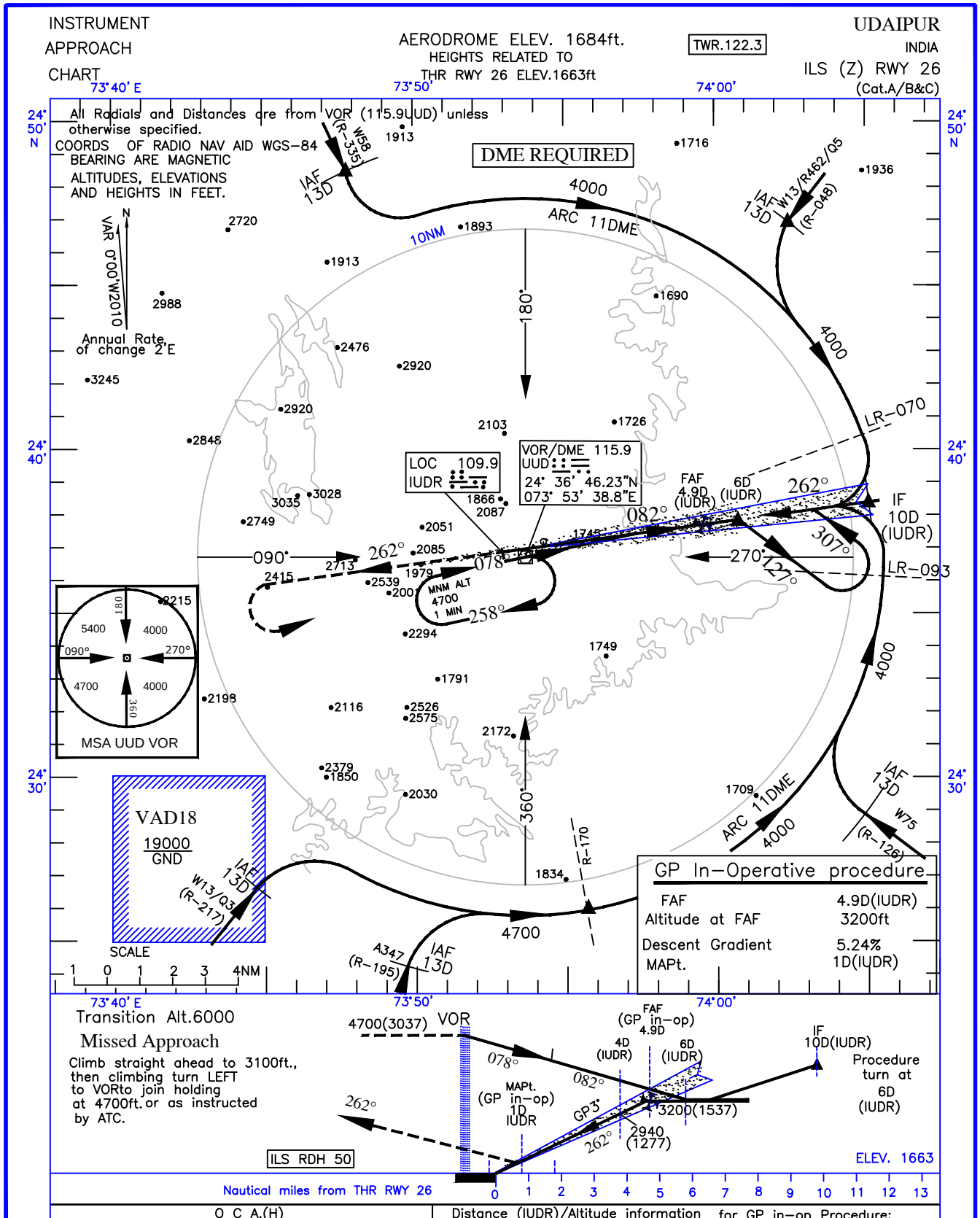
1. The objects that have been shielded due to presence of other higher objects have not been shown in this chart.
2. Obstructions in the form of trees which are being cut or pruned have not been taken into consideration for establishing threshold displacement.
3. Datum – All Elevations are AMSL.
4. All obstacles shown in this chart are based on aeronautical obstacle Survey Aug, 2004.

AMENDMENT RECORD		
NO.	DATE	ENTERED BY

AERONAUTICAL INFORMATION UPTO – JAN. 2005

COMPILED BY–CARTOGRAPHY UNIT, AIRPORTS AUTHORITY OF INDIA

CHART No.AAI/15–OBS/CARTO/2006



O C A.(H)			Distance (IUDR)/Altitude information for GP in-op Procedure:					
CATEGORY OF AIRCRAFT	A/B	C	Distance(NM)	4.9D	4D	3D	2D	
STRAIGHT-IN	2000(337)	2010(347)	Altitude (ft.)	3200	2940	2620	2310	
CIRCLING	2470(786)	3170(1486)	Rate of Descent /Ground speed information for GP in-op Procedure:					
GP in-op Procedure:			Ground speed (kt.)	80	100	120	140	160
STRAIGHT-IN	2090(427)	2090(427)	Rate of descent (ft/min)	425	530	635	745	850
CIRCLING	2470(786)	3170(1486)						

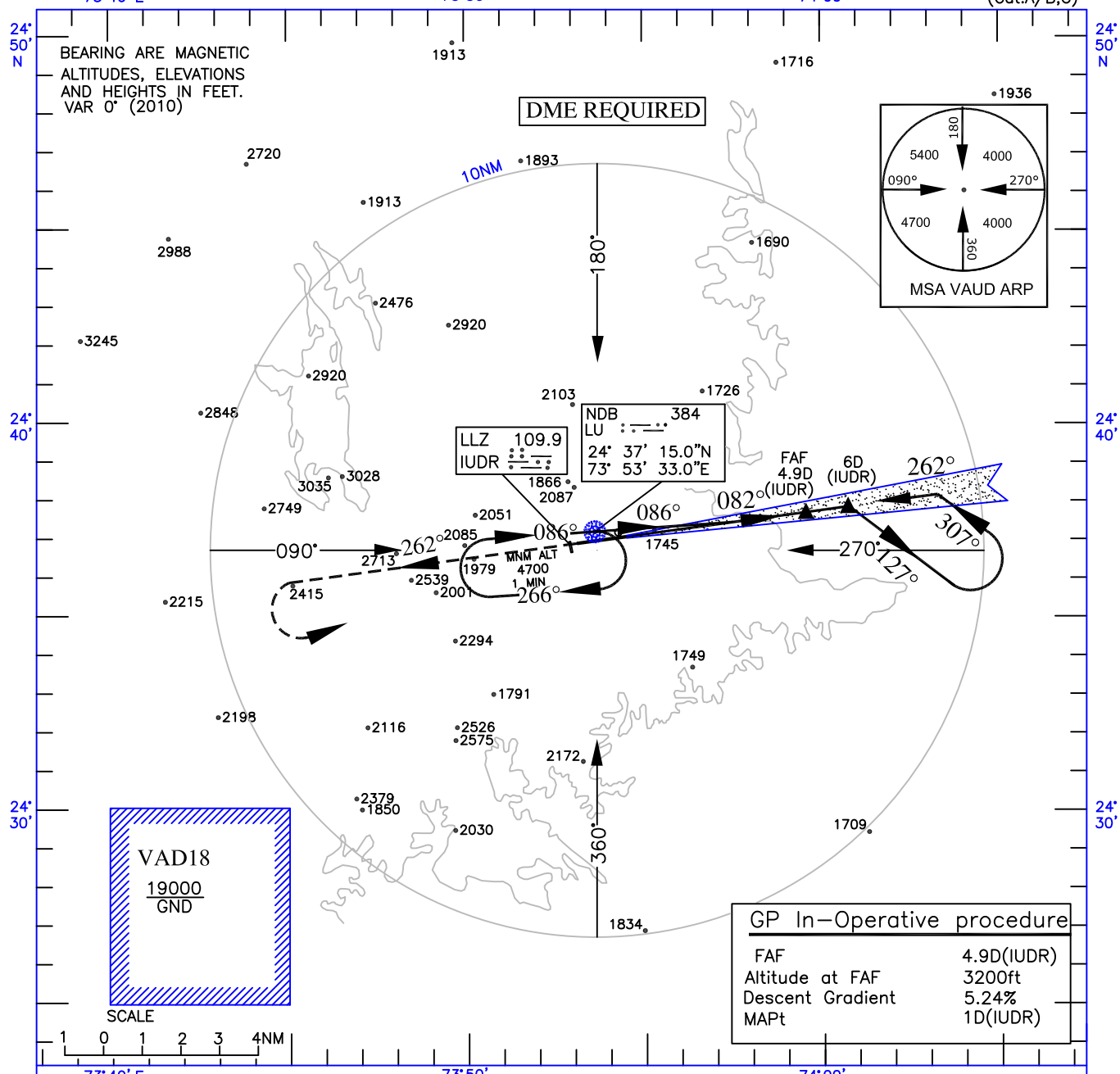
DRG. NO. AAI/24-IALC/98/01-05-2016

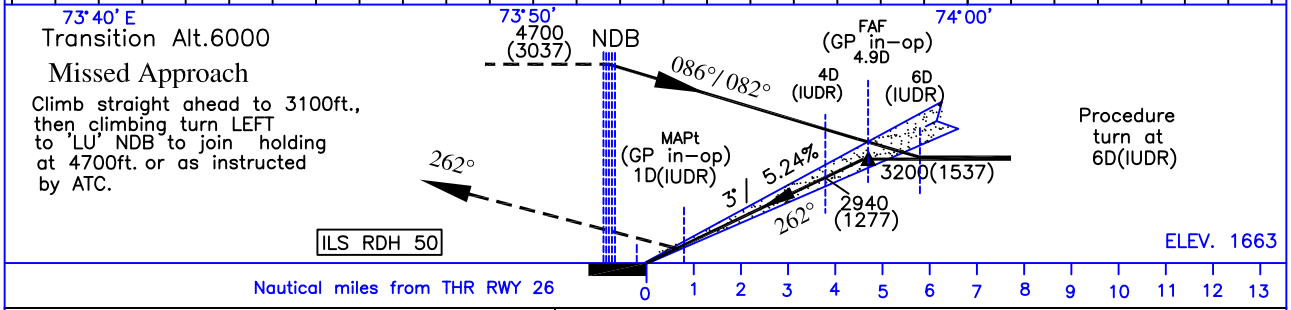
INSTRUMENT APPROACH CHART

AERODROME ELEV. 1684ft.
HEIGHTS RELATED TO
THR RWY 26 ELEV.1663ft

TWR.122.3

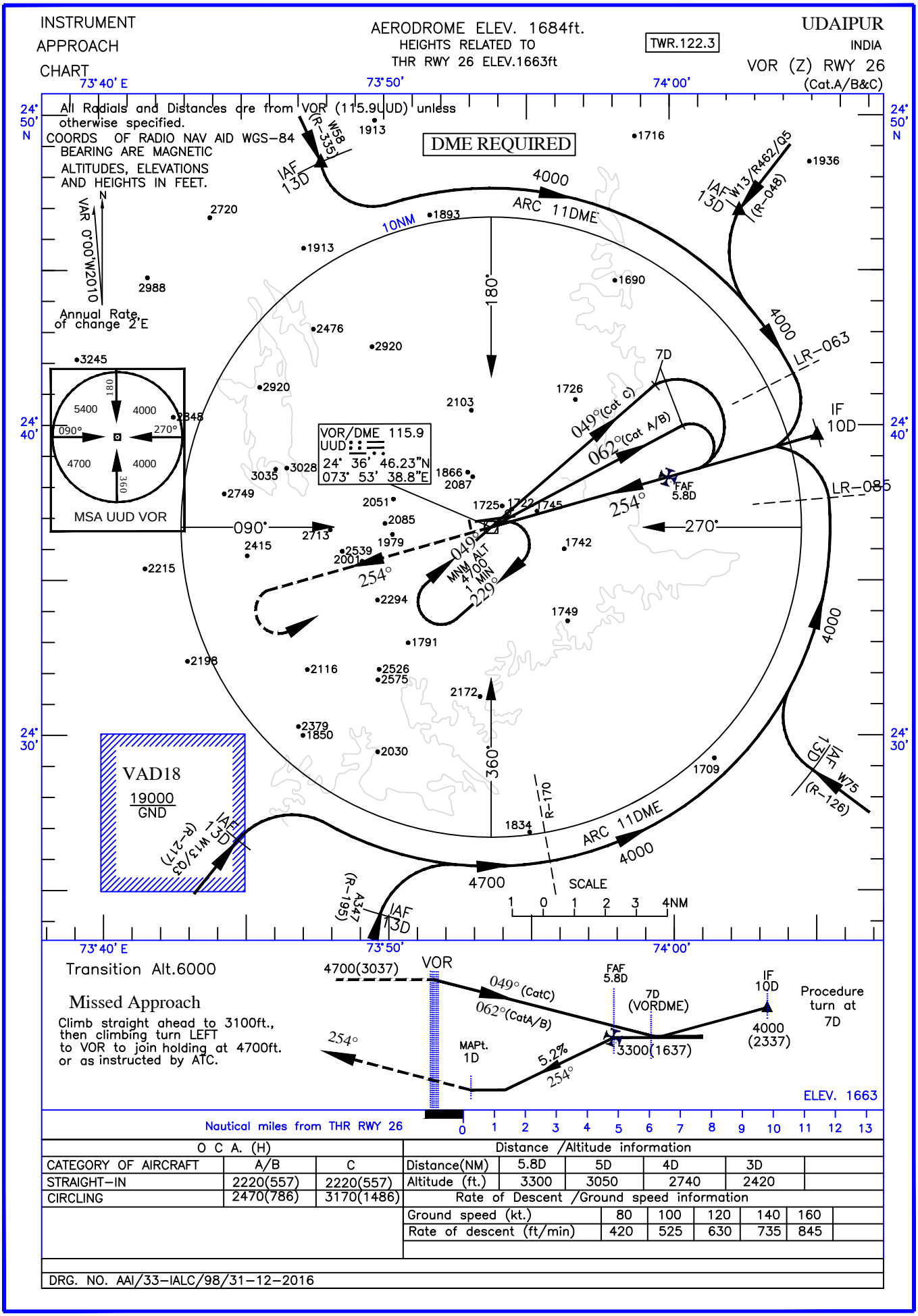
UDAIPUR
INDIA
ILS (Y) RWY 26
(Cat.A/B,C)





O C A. (H)			Distance (ILSDME)/Altitude information for GP in-op Procedure:						
CATEGORY OF AIRCRAFT	A/B	C	Distance(NM)	4.9D	4D	3D	2D		
STRAIGHT-IN	2000(337)	2010(347)	Altitude (ft.)	3200	2940	2620	2310		
CIRCLING	2470(786)	3170(1486)	Rate of Descent /Ground speed information for GP in-op Procedure:						
GP in-op Procedure:			Ground speed (kt.)	80	100	120	140	160	
STRAIGHT-IN	2090(427)	2090(427)	Rate of descent (ft/min)	425	530	635	745	850	
CIRCLING	2470(786)	3170(1486)							

DRG. NO. AAI/24-IALC/98/19-07-2018



O C A. (H)		
CATEGORY OF AIRCRAFT	A/B	C
STRAIGHT-IN	2220(557)	2220(557)
CIRCLING	2470(786)	3170(1486)

Distance /Altitude information				
Distance(NM)	5.8D	5D	4D	3D
Altitude (ft.)	3300	3050	2740	2420

Rate of Descent /Ground speed information					
Ground speed (kt.)	80	100	120	140	160
Rate of descent (ft/min)	420	525	630	735	845

DRG. NO. AAI/33-IALC/98/31-12-2016