

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

VILD - LUDHIANA / DOMESTIC

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

1	Aerodrome reference point coordinates and its site	000000N 000000E
2	Direction and distance of aerodrome reference point from the centre of the city or town which the aerodrome serves	15Km South East of Ludhiana city
3	Aerodrome elevation and reference temperature	834 FT / 41.0 DEG C
4	Magnetic variation, date of information and annual change	1.25 DEG E (2010) /0.0333 DEG E
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)	Airport Director, Civil Aerodrome, Sahnewal, Ludhiana - 141120
	Telephone:	+91-161-2844569
	Fax:	+91-161-2845042
	AFS:	---
	Email:	
6	Types of traffic permitted (IFR/VFR)	VFR
7	Remarks	Coordinates of designated geographical location at Ludhiana airport located on centerline of runway at 548.6m from the physical beginning of RWY30: 305109.3N 0755724.0E

**VILD AD 2.3 OPERATIONAL HOURS**

1	Aerodrome Operator	MON-FRI 0400-1230 UTC (0930-1800 IST) SAT, SUN + HOLIDAY: NIL
2	Custom and immigration	NOT AVBL
3	Health and sanitation	Health- Nil , Sanitation Avbl with AD HR.
4	AIS briefing office	available in ATC Tower as AD Administration
5	ATS reporting office (ARO)	As AD Administration
6	MET Briefing office	Available between 0045 UTC to Sunset
7	Air Traffic Service	MON-SAT: 0630-1030 UTC NO WATCH ON SUNDAY
8	Fuelling	NOT AVBL
9	Handling	NOT AVBL
10	Security	H24
11	De-icing	Not available
12	Remarks	Services outside ATC watch hours are available on request. Request to be submitted to General Manager (Aero), Northern Region, Airports Authority of India, Operational Complex, Gurgaon Road, Rangpuri, New Delhi 110037 at least 24 hours before the flight.
	ATS approved hourly runway traffic handling capacity	Maximum number of arrival and departure- 12 (the minimum spacing between two successive arrival shall be more than 5 min) Maximum number of arrival only – 06 Maximum number of departure only -10

**VILD AD 2.4 HANDLING SERVICES AND FACILITIES**

1	Cargo-handling facilities	NIL
2	Fuel and Oil types	NIL
3	Fuelling facilities and capacity	NIL
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

**VILD 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	Private Taxis available
4	Medical Facilities	First Aid at AD/ Hospitals in City
5	Bank and post office at or in the vicinity of aerodrome	Banks: Available at Sahnewal Village Post office: Available at Sahnewal Village
6	Tourist office	
7	Remarks	NIL

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

1	Aerodrome category for fire fighting	Within ATS HR: CAT-5
2	Rescue equipment	Available as per category.
3	Capability for removal of disabled aircraft	NOT AVBL
4	Remarks	NIL

**VILD AD 2.7 SEASONAL AVAILABILITY CLEARING**

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

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

1	Designation, surface and strength of aprons	Surface : Concrete Strength: LCN 14
2	Designation, width, surface and strength of taxiways	Designator: TWY Width: 15 M Surface: Asphalt Strength:
3	Location and elevation of altimeter checkpoints	Location: --- Elevation: ---
4	Location of VOR checkpoints	
5	Position of INS checkpoints	
6	Remarks	NIL

**VILD 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, Taxi guideline available
2	Runway and taxiway markings and lights	RWY Markings: Designation, Threshold Centreline, Edge TWY Markings: Centreline, holding position RWY Lightings: Not Avbl TWY Lightings: Not Avbl
3	Stop bars (if any)	NIL
4	Remarks	NIL

**VILD 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
30/APCH 12/TKOF	TREE	305051.2N 0755754.7E	906 FT	NIL	GROUP OF TREES
30/APCH 12/TKOF	TREE	305054.9N 0755804.9E	890 FT	NIL	GROUP OF TREES
30/TKOF 12/APCH	BUILDING	305124.1N 0755649.0E	844 FT	NIL	SECURITY HUT
30/APCH 12/TKOF	TREE	305059.8N 0755750.4E	869 FT	NIL	GROUP OF TREES
30/TKOF 12/APCH	ANTENNA	305128.0N 0755643.6E	853 FT	NIL	ANTENNA ON BLDG
30/APCH 12/TKOF	WALL	305059.7N 0755744.8E	840 FT	NIL	BOUNDARY WALL
30/TKOF 12/APCH	TREE	305134.6N 0755630.4E	901 FT	NIL	GROUP OF TREES
30/APCH 12/TKOF	POLE	305052.6N 0755750.9E	863 FT	NIL	ELECTRIC POLE
30/TKOF 12/APCH	OTHER	305129.3N 0755649.2E	848 FT	NIL	MOBILE TRAFFIC
30/TKOF 12/APCH	TREE	305129.3N 0755647.7E	889 FT	NIL	GROUP OF TREES

**VILD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1	Name of the associated meteorological office	Ludhiana Aerodrome
2	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	Dawn to Dusk
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	NIL
4	Availability of the trend forecast for the aerodrome and interval of issuance	NIL
5	Information on how briefing and/or consultation is provided	Self-Briefing
6	Types of flight documentation supplied and language(s) used in flight documentation	Only METAR available. 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	VILD Ludhiana TWR
10	Additional information, e.g. concerning any limitation of service.	NIL

**VILD 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
12	118.42 DEG	1463 x 30 M	Asphalt	THR: 305125.30N 0755649.70E
30	298.42 DEG	1463 x 30 M	Asphalt	THR: 305105.60N 0755730.40E

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: 833.0FT TDZ: 833.0FT				1583 x 150 M
THR: 834.0FT TDZ: 834.0FT				1583 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
90M x 90M			NIL

**VILD 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
12	1373	1373	1373	1253	1:40
30	1373	1373	1373	1269	1:40

**VILD 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
12				
30				
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
				NIL
				NIL

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

1	Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any)	ABN	ATC Building As ATS
		IBN	
2	Location and lighting (if any) of anemometer/landing direction indicator;	LDI	Available, Unlighted
		Anemometer	NIL
3	Taxiway edge and taxiway centre line lights;	Edge	
		Centre Line	
4	Secondary power supply including switch-over time;	Available 2 Min	
5	Remarks	NIL	

**VILD 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:	---
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	---

**VILD AD 2.17 AIR TRAFFIC SERVICE AIRSPACE**

1	Airspace designation, geographical coordinates and lateral limits	ATZ: Circular area centered on 305109N 0755724E within a 5NM radius.
2	Vertical limits	3000 FT
3	Airspace classification	D
4	Call sign and language(s) of the air traffic services unit providing service;	Ludhiana TWR, English
5	Transition altitude	
6	Hours of applicability	
7	Remarks	NIL

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

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	2	3	4
TWR	Ludhiana TWR	122.300 MHZ	

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

**VILD 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;
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
DVOR/DME	LNA	113.500 MHz CH82X	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
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
305058.1N 0755749.4E	856 FT		

**VILD AD 2.20 LOCAL AERODROME REGULATIONS**

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**VILD AD 2.21 NOISE ABATEMENT PROCEDURES**

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**VILD AD 2.22 FLIGHT PROCEDURES**

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**VILD AD 2.23 ADDITIONAL INFORMATION**

Two high tension electric towers have been erected within aerodrome circuit.

1. Distance of HT tower 1725 Ft from beginning of RWY30. height 180Ft. Direction South east of air field. Pilots to exercise caution while landing/takeoff.

2. Pilot to exercise caution of transmission tower at VILD. Details as follows.

Height of Tower: 120FT.

Bearing: 150 Deg.

Distance: 01 Mile

Direction: South south-east

Lower Limit: GND

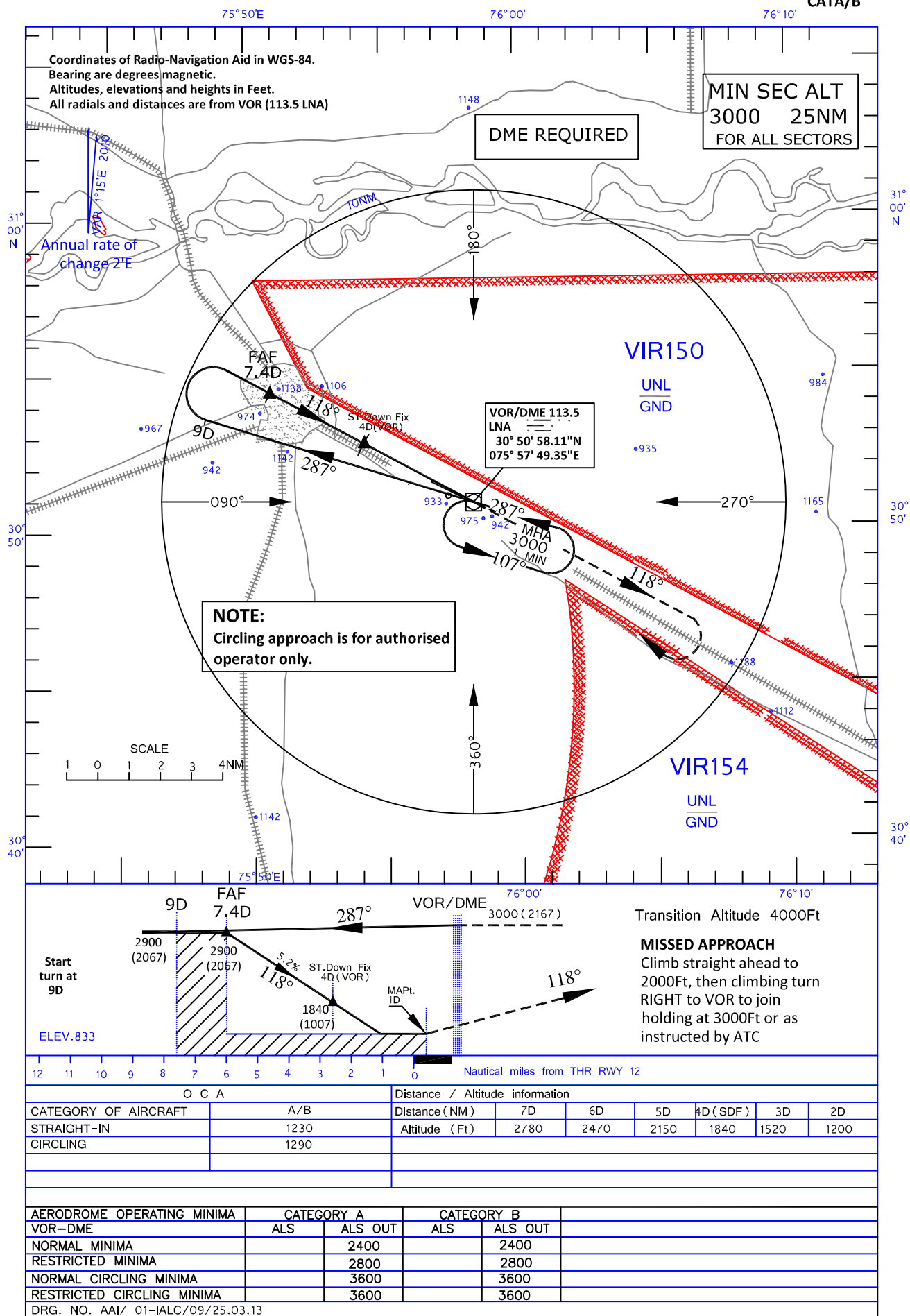
Upper Limit: 120FT.

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

- VOR Procedure RWY 12

2. VOR Procedure RWY 30



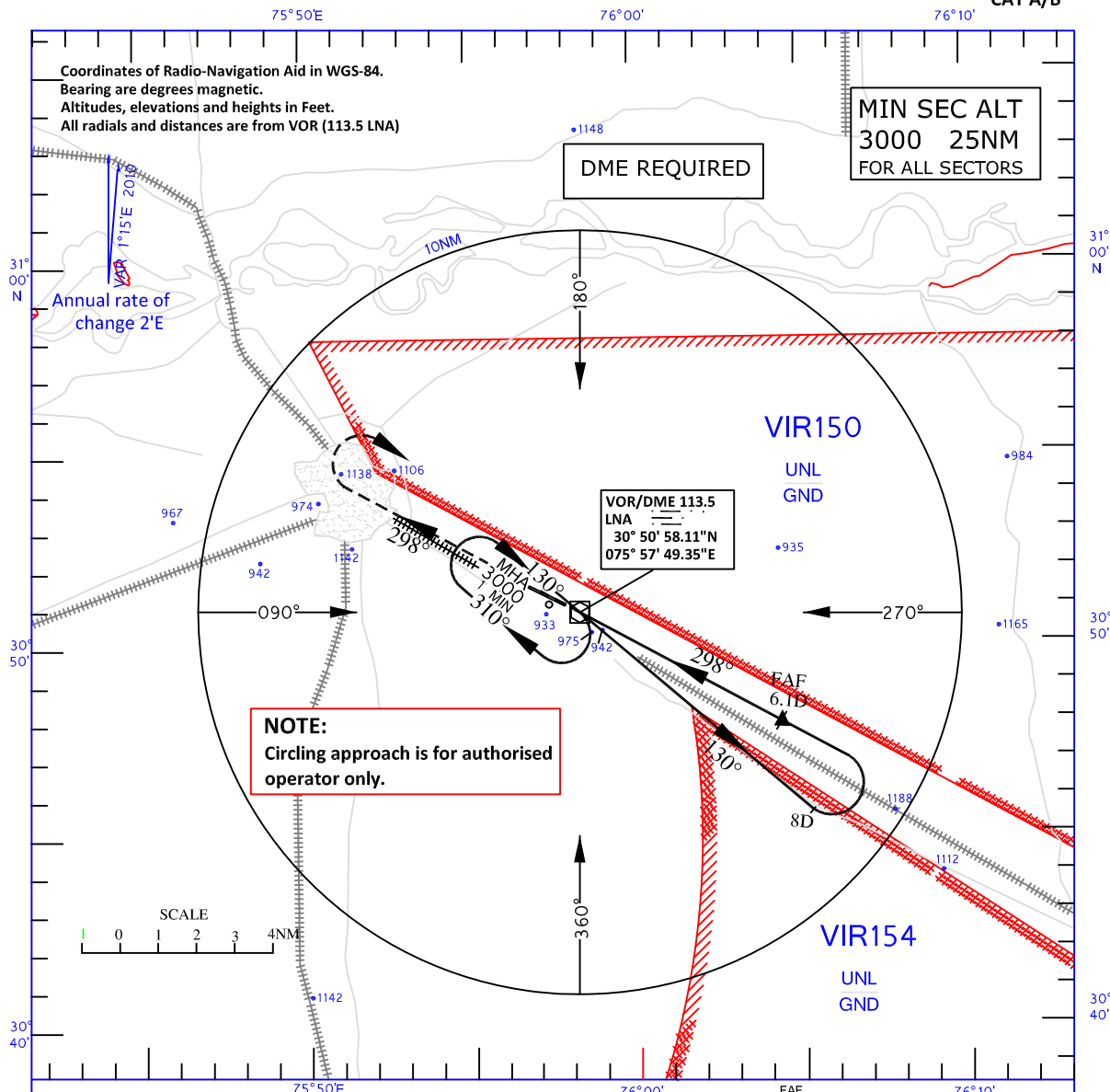
**INSTRUMENT  
APPROACH  
CHART**Aerodrome Elev. 834Ft  
Height related to:  
THR RWY12-Elev. 833Ft**TWR 122.3****LUDHIANA  
INDIA  
VOR RWY 12  
CATA/B**

# INSTRUMENT APPROACH CHART

Aerodrome Elev. 834Ft  
Height related to:  
THR RWY30-Elev.833Ft

TWR 122.3

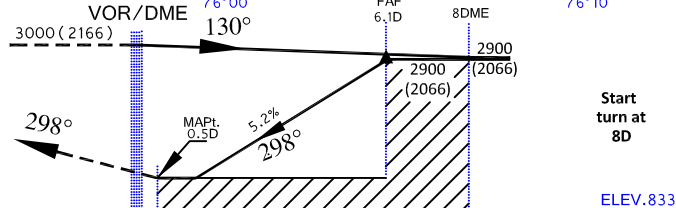
LUDHIANA  
INDIA  
VOR RWY 30  
CAT A/B



Transition Altitude 4000Ft

## MISSED APPROACH

Climb straight ahead to  
2000Ft, then climbing turn  
RIGHT to join VOR holding  
at 3000ft or as instructed  
by ATC



Nautical miles from THR RWY 30

O C A		Distance / Altitude information						
CATEGORY OF AIRCRAFT	A/B	Distance (NM)	6D	5D	4D	3D	2D	1D
STRAIGHT-IN	1290	Altitude (Ft)	2870	2560	2240	1930	1610	1290
CIRCLING	1290							

AERODROME OPERATING MINIMA	CATEGORY A		CATEGORY B	
	ALS	ALS OUT	ALS	ALS OUT
VOR-DME				
NORMAL MINIMA		2400		2400
RESTRICTED MINIMA		2800		2800
NORMAL CIRCLING MINIMA		3600		3600
RESTRICTED CIRCLING MINIMA		3600		3600

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