

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

VELP - LENGPUI / DOMESTIC

VELP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	235017N 0923736E Between terminal building and apron	
2	Direction and distance of aerodrome reference point from the center of the city or town which the aerodrome serves	320 DEG/ 9 NM from Aizwal City.	
3	Aerodrome elevation and reference temperature	1398 FT / 27.0 DEG C	
4	Magnetic variation, date of information and annual change	0.75 DEG W (1985) /0.016 DEG E	
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)	Airports Authority of India, Lengpui Airport, Aizawl (Mizoram)-796410,	
		Telephone:	+91-389-2573233 +91-389-2573234
		Fax:	+91-389-2573233
		AFS:	VELPYDYX
		Email:	
6	Types of traffic permitted (IFR/VFR)	IFR/VFR	
7	Remarks	NIL	

VELP 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	Within ATC watch hour
9	Handling	Available with local Airline operator
10	Security	As ATS
11	De-icing	NIL
12	Remarks	NIL

VELP AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Available with local Airline operator
2	Fuel and Oil types	ATF WM MIX (45.55)/MJO-II
3	Fuelling facilities and capacity	Mobile refueling available as provided by IOC LTD.
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	NIL

VELP 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 the Airport and in the city.
3	Transportation possibilities	Taxis available at the time of SKED FLTS
4	Medical Facilities	State Govt Community health center available.
5	Bank and post office at or in the vicinity of aerodrome	Banks: In the city. Post office: in terminal building
6	Tourist office	NIL
7	Remarks	NIL

VELP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	Aerodrome category for fire fighting	Within ATS HR: CAT-7
2	Rescue equipment	2 Ambulance
3	Capability for removal of disabled aircraft	NIL
4	Remarks	NIL

VELP AD 2.7 SEASONAL AVAILABILITY CLEARING

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

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

1	Designation, surface and strength of aprons	Designator: APRON Surface: Concrete Strength: PCN 36/R/C/X/U
2	Designation, width, surface and strength of taxiways	Designator: TWY A Width: 23 M Surface: Asphalt Strength: PCN 36/F/C/W/U
3	Location and elevation of altimeter checkpoints	AT Apron (Centre point) 1378FT
4	Location of VOR checkpoints	
5	Position of INS checkpoints	
6	Remarks	1. Dimension of apron: 125X90M 2. Elevation of apron: 1404 FT

VELP 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
2	Runway and taxiway markings and lights	RWY Markings: Designation, Threshold, Centerline, Aiming point, Touchdown zone RWY Lights: THR, RWY Edge, RWY End TWY Marking: Centerline, Holding Positions TWY Lights: Edge
3	Stop bars (if any)	NIL
4	Remarks	NIL

VELP AD 2.10 AERODROME OBSTACLES

See AD2.23

VELP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Name of the associated meteorological office	Aizwal, M.O. Lengpui Airport.
2	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	MON TO SUN: 0230-1230 UTC (0800-1800 IST)
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	R.M.C. Guwahati 0300-1200 UTC.
4	Availability of the trend forecast for the aerodrome and interval of issuance	NIL
5	Information on how briefing and/or consultation is provided	To outgoing and incoming flights by VEGT, VECC, VEAT, VEIM etc.
6	Types of flight documentation supplied and language(s) used in flight documentation	NIL
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	VELP ATC Tower
10	Additional information, e.g. concerning any limitation of service.	NIL

VELP 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
17	171.32 DEG	2500 x 45 M	36/F/C/W/U Asphalt	THR: 235106.60N 0923703.40E
35	351.32 DEG	2500 x 45 M	36/F/C/W/U Asphalt	THR: 234946.60N 0923717.40E

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: 1374.0FT TDZ:		35	NIL	2700 x 150 M
THR: 1395.0FT TDZ:		45	NIL	2700 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

VELP 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
17	NIL	NIL	NIL	2440	TORA,TODA,ASDA NOT USABLE. RUNWAY AVAILABLE ONLY FOR LANDING
35	2440	2440	2440	NIL	LDA NOT USABLE. RUNWAY AVAILABLE ONLY FOR TAKE-OFF

VELP 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
17		Green	PAPI /3.50 DEG MEHT (60.30FT)	NIL
35			NIL	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
				Distance from THR 282 M
				NIL

VELP 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. As ATS HO
		IBN	
2	Location and lighting (if any) of anemometer/landing direction indicator;	LDI	Provided in the signal area/ Not Lighted
		Anemometer	NIL

3	Taxiway edge and taxiway centre line lights;	Edge	Lighted
		Centre Line	----
4	Secondary power supply including switch-over time;	Avbl, Two D.G. set of capacity 350 KVA Switch-over time: 30 second	
5	Remarks	----	

VELP 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

VELP AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

1	Airspace designation, geographical coordinates and lateral limits	CTR: Circular area centered on DVOR LLP (234951N 0923724E) within a 20NM radius.
2	Vertical limits	FL 150
3	Airspace classification	D
4	Call sign and language(s) of the air traffic services unit providing service;	Lengpui TWR, English
5	Transition altitude	8500 FT
6	Hours of applicability	HO
7	Remarks	Left hand circuit RWY 17 restricted to maximum lateral distance of 2.5NM from aerodrome. Right hand circuit RWY17 prohibited due to obstacle environment.

VELP AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	2	3	4
TWR	Lengpui TWR	122.250 MHZ	

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

VELP 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 17	ILNP	108.300 MHz	AS ATS
GP 17	ILNP	334.100 MHz	AS ATS
DME ILS 17	ILNP	CH20X	AS ATS
DVOR/DME	LLP	114.200 MHz CH89X	AS ATS
NDB	LP	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
234943.2N 0923718.1E			Coverage restriction, if any, will be disseminated separately
235058.4N 0923708.1E			
234943.2N 0923718.1E			Collocated with Glide Path
234949.4N 0923724.9E	1434 FT		
235005.6N 0923722.4E			

VELP AD 2.20 LOCAL AERODROME REGULATIONS

NIL

VELP AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VELP AD 2.22 FLIGHT PROCEDURES

Following holding procedure shall be applicable at Lengpui NDB 344 LP:

One-minute left hand pattern inbound track 180 DEG MAG. Minimum holding altitude 8500 FT. Holding speed restricted to 210 Kts IAS max.

VELP AD 2.23 ADDITIONAL INFORMATION

1. Obstacles:

Sl. No	Name of Hill	Top Elevation (FT)	Bearing (Degrees/NM)	Distance	Remark
1	Zotlang	4100	261	7.5	Not Lighted
2	Reiek Tlang	4668	183	9.5	Not Lighted
3	Durtlang	5387	125	9.5	Not Lighted
4	Melruk Tlang	4518	113	6	Not Lighted
5	Sakawrhmutuai	5037	75	6.6	Not Lighted
6	Neihbawi Tlang	4725	91	6.5	Not Lighted
7	Nisapui Tlang	4215	50	10.4	Not Lighted
8	Hnawmphiah	3451	282	2.2	Not Lighted

2. Details regarding parking stands and its limitations/restrictions are as follows :

Stand No.	Coordinates	Critical Aircraft
1	235019N 0923723E	A320
2	235018.3N 0923722E	A320
3	235020.1N 0923721.8E	A320
4	235020N 0923723E	A320

3. Limitations and restrictions of parking stands:

- i. All parking stands are Power - In /power - Out Operations.
- ii. When bay number 2 is occupied by any aircraft, other aircraft cannot taxi into bay number 1.
- iii. When bay number 3 is occupied by any aircraft, other aircraft cannot taxi into bay number 4.
- iv. No restrictions for taxi-in for bay number 2 and 3.
- v. Simultaneous parking of two A319/A320/B737 on adjacent bays i.e. either 1 and 2 or 3 and 4 is prohibited due non availability of wing tip clearance between these stands for such aircraft. Such aircraft shall be parked opposite to each other i.e. either 1 and 4, 2 and 3, 1 and 3 or 2 and 4. However such aircraft can be parked adjacent to ATR or DH8 aircraft which have shorter wingspan.

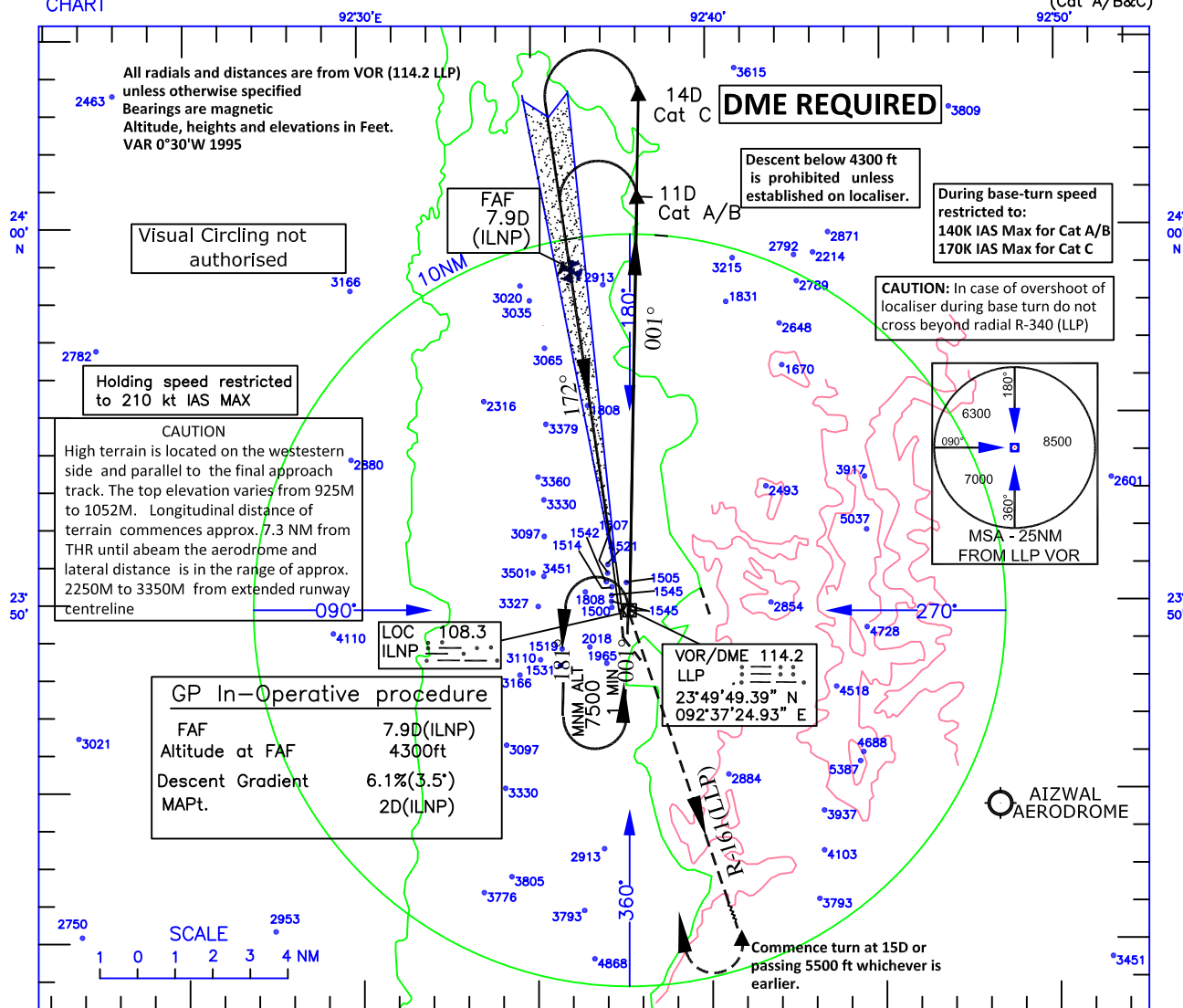
VELP AD 2.24 CHARTS RELATED TO AN AERODROME

i. ILS Procedure RWY 17

ii. VOR Circling Procedure CAT A, B and C

INSTRUMENT
APPROACH
CHARTAERODROME ELEV 1398ft.
HEIGHTS RELATED TO
THR RWY 17-ELEV 1374ftTWR 122.25
APP 122.25

LENGPUI (VELP)

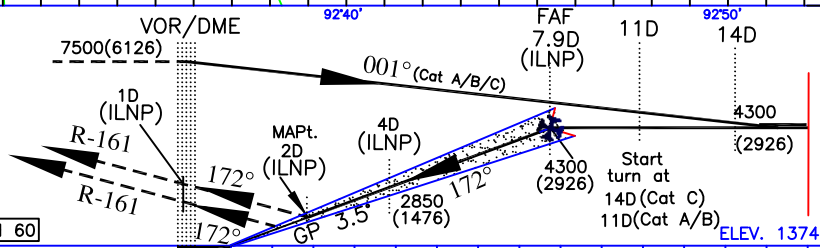
INDIA
ILS RWY 17
(Cat A/B&C)

Transition Altitude 8500

Missed Approach

(Missed Approach Speed restricted to 160K IAS Max until completion of turn)
Climb straight ahead, at 1D (ILS-DME) after THR, establish radius R-161 (LLP) climbing to 7500ft. Crossing 15D or passing 5500ft, whichever is earlier, turn right to join VOR holding or as advised by ATC.

ILS RDH 60



NAUTICAL MILES FROM THR RWY 17

OCA (H)			Distance (ILNP)/Altitude information (GP-INOP)							
Category of Acft	A/B	C	Distance (NM)	7.9D	7D	6D	5D	4D	3D	2D
Straight-in	1660(286)	1670(296)	Altitude	4300	3960	3590	3220	2850	2480	2110
GP In-Operative			Ground Speed/Rate of Descent Information							
Straight-in	2220(822)	2220(822)	Ground Speed (Kt)	80	100	120	140	160		
			ROD (Ft/NM)	495	620	740	865	990		

- These procedures require a missed approach climb gradient of 4.0% (243 Ft/NM) until passing 5500ft.
- For aircraft which can achieve only 2.5% (152Ft/NM) missed approach climb gradient, OCA is 2100ft and 2110 ft for Cat A/B & Cat C respectively
- Localiser coverage restricted as:
Western side: 23° upto 10NM & 9.2° upto 18NM
Eastern side: No restriction.
- In case of failure of VOR/DME(LLP) during initial/missed approach commence turns w.r.t. ILS/DME (ILNP):
Base turn ---- 9.8D & 12.8 D for Cat A/B & Cat C respectively.
Missed Approach -- 16 D.

DRG. NO. AAI/03-IALC/11/19-07-2018

