

AD 2. AERODROME**VNNG AD 2.1 AERODROME LOCATION INDICATOR AND NAME**
VNNG – NEPALGUNJ/Domestic**VNNG AD 2.2 AERODROME GEOGRAPHICAL AND
ADMINISTRATIVE DATA**

1.	ARP Coordinates and site at AD	280606 N 0813959 E*
2.	Direction and Distance from (city)	4 Km, North of Nepalgunj city
3.	Elevation/Reference Temperature	158 m. (518 ft.) / 42°C (June)
4.	MAG VAR/Annual Change	0 ° E
5.	AD Administration, address Telephone, Telefax, Telex AFS	Civil Aviation Authority of Nepal Nepalgunj Civil Aviation Office, Nepalgunj, Banke Te1- 977-081-565158 (Director) 977-081 565205 (Tower), 977-081565210 (Admin) Fax - 977-081-565204 AFS - VNNGYDYX
6.	Types of traffic permitted (IFR/VFR)	IFR / VFR
7.	Remarks	-

VNNG AD 2.3 OPERATIONAL HOURS

1.	AD Administration	SUN-THU 10:00 -17:00 LT (SUMMER), 10:00-1600 LT (WINTER), FRI 10:00-1500 LT
2.	Customs and immigration	NIL
3.	Health and sanitation	NIL
4.	AIS Briefing Office	NIL
5.	ATS Reporting Office (ARO)	NIL
6.	MET Briefing	Half Hourly Metar provided during ATS Operation Hours
7.	ATS	1) From 16 Feb - 15 Nov (0015 - 1815) UTC 2) From 16 Nov - 15 Feb (0045 - 1815) UTC
8.	Fuelling	Jet A1 during Operation Hours
9.	Handling (Cargo)	NIL
10.	Security	H-24
11.	Remarks	Any change will be notified by NOTAM

* WGS -84 Coordinates

VNNG AD 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	Available with local airlines operator
2.	Fuel/Oil Types	JET A-1 / Not available
3.	Fuelling facilities/capacity	Storage Capacity (KL): Physical -280, Mobile-23 Storage Type: UG Tank (70×4) Refueller Details: AR17(11KL), AR19 (12KL)
4.	De-icing facilities	NIL
5.	Hangar space for visiting aircraft	-----
6.	Repair facilities for visiting aircraft	NIL
7.	Remarks	-

VNNG AD 2.5 PASSENGER FACILITIES

1.	Hotels	in the city
2.	Restaurants	in the city
3.	Transportation	Taxi Service, Rickshaw from AD
4.	Medical Facilities	First Aid at AD, Hospitals in the city.
5.	Bank and Post Office	NIL
6.	Tourist Office	In the city.
7.	Remarks	-

VNNG AD 2.6 RESCUE AND FIRE FIGHTING SERVICE

1.	AD Category for firefighting	Category V
2.	Rescue equipment	Available
3.	Capability for removal of disabled aircraft	NIL
4.	Remarks	Complementary Extinguishing Agents Available, Fire Extinguishers (wheel type fire extinguishers also Available) 2 Fire Vehicle and 2 Ambulance

VNNG AD 2.7 SEASONAL AVAILABILITY

Aerodrome is available throughout the year.

VNNG AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

1.	Apron surface and strength	Surface - Asphalt Concrete, Strength - 22/F/A/Y/T
2.	Taxiway width, surface and strength	Width-TWY A 14.92m, TWY B 14.86m, TWY C 13.81m, Parallel TWY 13.77m, Surface-Asphalt, Strength - 20/F/A/Y/T
3.	Altimeter check point location and elevation	Location: - At Apron Elevation :- 518 ft.
4.	VOR/INS checkpoints	VOR:-Taxi holding position.
5.	Remarks	-

VNNG AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance signs at intersections with TWY and RWY and at holding positions. Guide lines at apron.
2.	RWY and TWY markings and LGT	RWY: 08/26, THR, TDZ, Center line, RWY edge marked and RWY END, THR, RWY edge have lights. TWY: Center line, holding positions at all TWY/RWY intersections marked and edge with blue lights.
3.	Stop bars	
4.	Remarks	-

VNNG AD 2.10 AERODROME OBSTACLES

In area 2					
OBST ID/ Designation	Obstacle type	Obst. position *	ELEV/HGT (mt.)	Markings/Type color	Remarks
a	B	c	d	e	f
VNNGOB001	NAC Water Tank	28 05 50 N 081 39 38 E	180/20	Marked	
VNNGOB002	Water Tank City	28 06 04 N 081 40 10 E	184/30	Marked	
In area 3					
VNNGOB003	Hanger Water Tank	28 06 01 N 081 39 46 E	178/20	Marked	

VNNG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET Office	MET office, Nepalgunj AIRPORT
2.	Hours of service MET office outside hours	As ATS
3.	Office responsible for TAF preparation periods of validity	NIL
4.	Type of landing forecast interval of issuance	NIL
5.	Briefing/Consultation provided	METAR
6.	Flight documentation language(s) used	Charts or Tabular forms Text English
7.	Charts and other information available for briefing or consultation	NIL
8.	Supplementary equipment available for providing information	Self- briefing terminal
9.	ATS units provided with information	Nepalgunj TWR
10.	Additional information (limitation of service, etc.)	Tel : (MET Office) 977-081-565288

*WGS -84 Coordinates

VNNG AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designation RWY NR	TRUE & MAG BRG	Dimensions of RWY M	Strength PCN and surface of RWY and SWY	THR Coordinates	THR elevation
1	2	3	4	5	6
08	081°	1505 x 30	21/F/C/Y/T Bitumen	280609.36 N* 0813934.20E	156.77m AMSL
26	261°	1505 x30	21/F/C/Y/T Bitumen	280616.56 N* 0814028.42E	157.50 m AMSL
Slope of RWY-SWY	SWY Dimensions M	CWY Dimensions M	Strip Dimensions M	OFZ	Remarks
5	6	7	8	9	10
.....					

VNNG AD 2.13 DECLARED DISTANCES

RWY Designator	TORA m	TODA m	ASDA m	LDA m	Remarks
1	2	3	4	5	6
08	1524	1524	1524	1524	
26	1524	1524	1524	1524	

VNNG AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT color WBAR	VASIS PAPI	TDZ LGT LEN	RWY Center Line LGT Length, spacing color, INTST	RWY edge LGT LEN, spacing color INTST	RWY End LGT color	SWY LGT LEN M color	Remarks
1	2	3	4	5	6	7	8	9	10
26	SALS 420 M LIM	Green	PAPI Left/3.40°	NIL	NIL	1500m 60m White, LIM	Red	NIL	
08	NIL	Green	PAPI Left/3.00°	NIL	NIL	1500m 60m White, LIM	Red	NIL	

* WGS -84 Coordinates

VNNG AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN Location, characteristics and hours of operation	ABN : at Tower Building.
2.	LDI Location and LGT Anemometer Location and LGT	LDI: Anemometer: TWR BLDG, not lighted
3.	TWY edge and Centre line lighting	Edge: All TWY Centre Line : NIL
4.	Secondary power supply / switch over time	Available.
5.	Remarks	-

VNNG AD 2.16 HELICOPTER LANDING AREA

Not specified

VNNG AD 2.17 ATS AIRSPACE

1. Designation and lateral limits	<u>Nepalgunj CTR</u> : An area bounded by VNSM boundary to the south and an arc of a circle 10 NM in radius centered at 'NGJ' VOR (280605 N, 0813903E) . <u>Nepalgunj ATZ</u> : An area of a circle of radius 5 NM centered at 'ARP'.	
2. Vertical Limits		
	CTR:	ATZ
	<u>3000' AMSL</u> GND	<u>2000' AGL</u> GND
3. Airspace classification	C	
4. ATS units call sign/languages(s)	Nepalgunj TWR/English	
5. Transition Altitude	13500' AMSL	
6. Remarks	-	

VNNG AD 2.18 ATS COMMUNICATION FACILITIES

Service Designation	Call Sign	Frequency	Hours of Operation **	Remarks
1	2	3	4	5
TWR	Nepalgunj Tower	118.3 MHZ	1) From 16 Feb - 15 Nov (0015 - 1815) UTC** 2) From 16 Nov - 15 Feb (0045 - 1815) UTC**	

* WGS 84 Coordinates

** For operations other than above, Prior Co-ordination is required

VNNG AD 2.19 RADIO NAVIGATION AND LANDING AID

Type of Aid MAG VAR Type of supported OP (for VOR/ILS/MLS give declinations)	ID	Frequency	OPR Hours	Position of Transmitting Antenna Coordinates	Elevation of DME Transmitting Antenna	Remarks
1	2	3	4	5	6	7
DVOR/DME 0° E	NGJ	115.1 MHZ CHN 98 X	H24	280605 N* 0813903 E	164 m	

VNNG AD 2.20 LOCAL TRAFFIC REGULATIONS

To be Developed

VNNG AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VNNG AD 2.22 FLIGHT PROCEDURES

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VNNG AD 2.23 ADDITIONAL INFORMATION

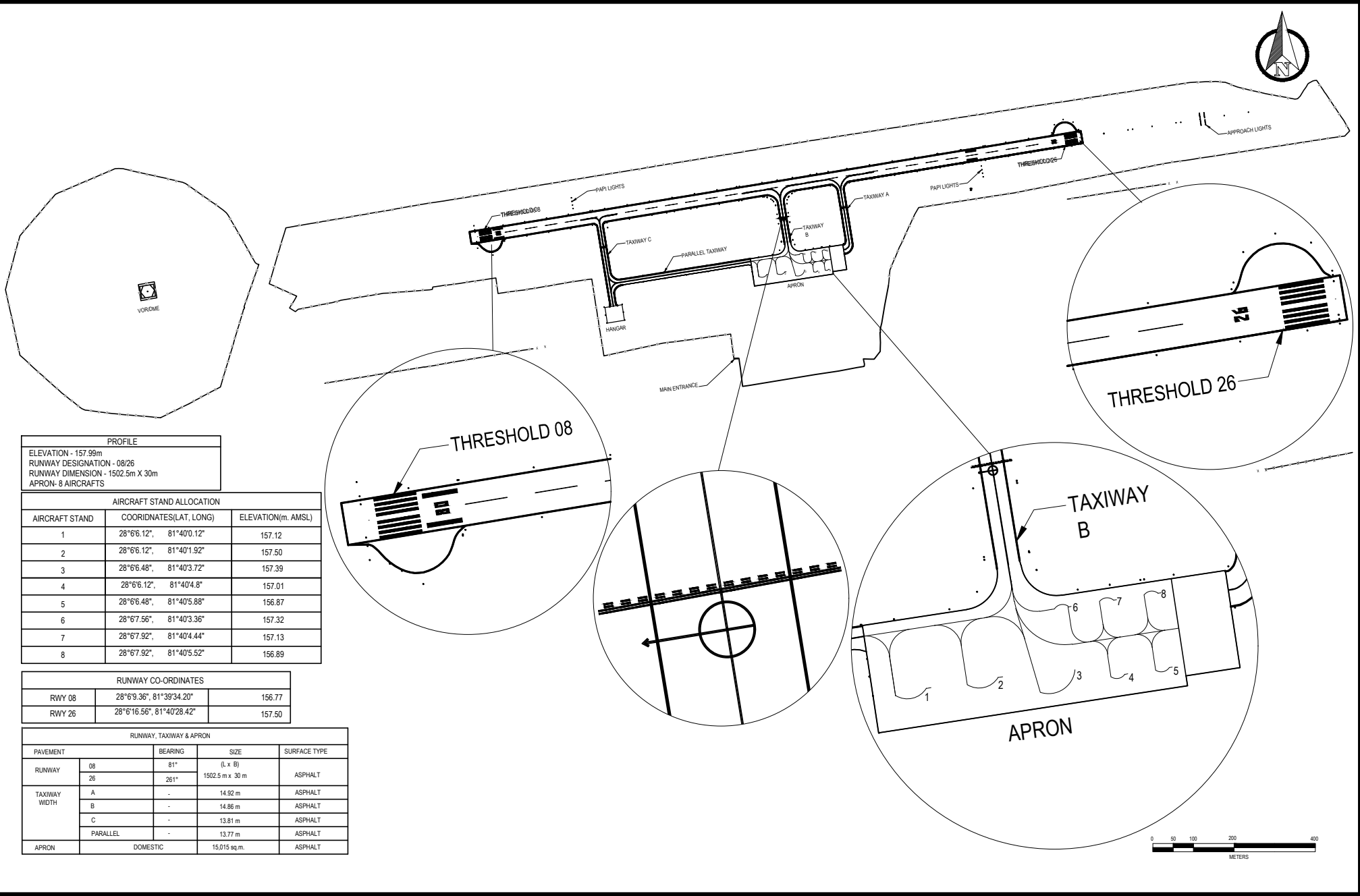
1. Bird Activity

- a) Sometimes cases of bird concentrations in the vicinity of aerodrome may be encountered.
- b) No Special procedures have been adopted to control these bird concentrations except driving them through guards and security personnel.

VNNG AD 2.24 CHARTS RELATED TO NEPALGUNJ AIRPORT

Aerodrome Chart	VNNG AD 2-10
Instrument Approach Chart – RWY 08/26	VNNG AD 2-11 - VNNG AD 2-13
Standard Departure Chart – RWY 08/26	VNNG AD 2-14 - VNNG AD 2-15
Nepalgunj TMA, CTR and ATZ	VNNG AD 2-16
Standard Terminal Arrival Route Chart	VNNG AD 2-17

AERODROME CHART OF NEPALGUNJ AIRPORT

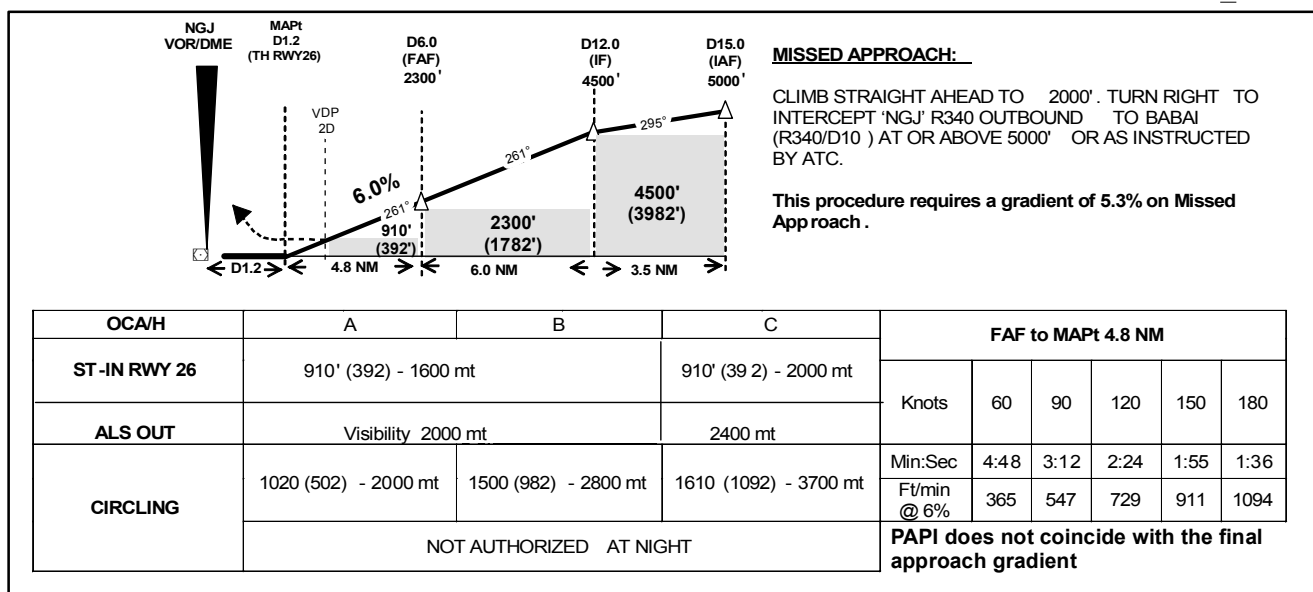
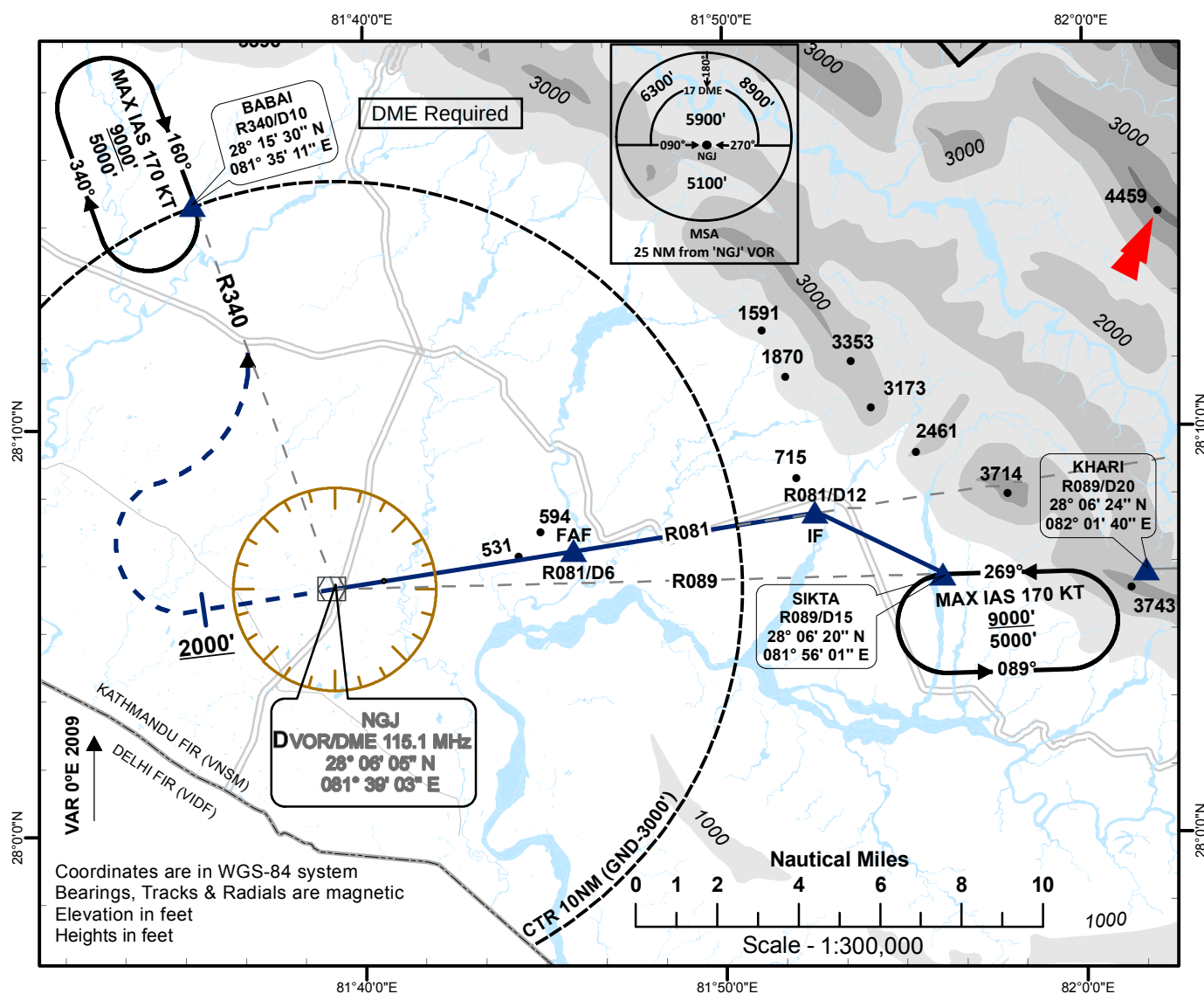


**INSTRUMENT
APPROACH
CHART - ICAO**

**AERODROME ELEV 518'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.**

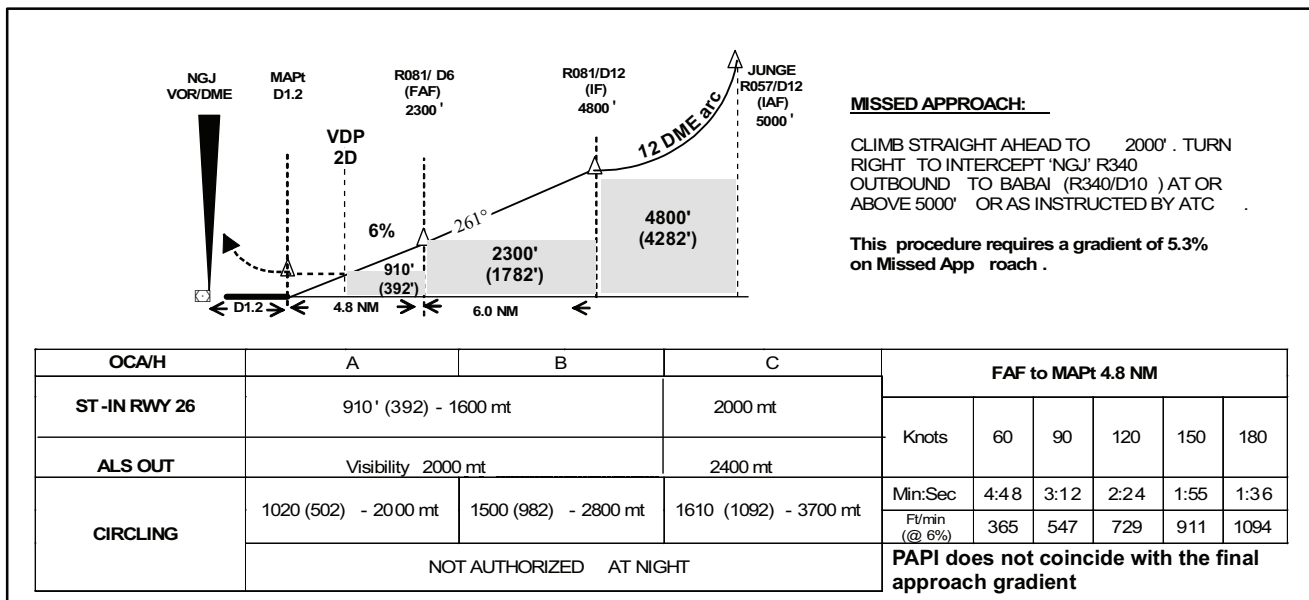
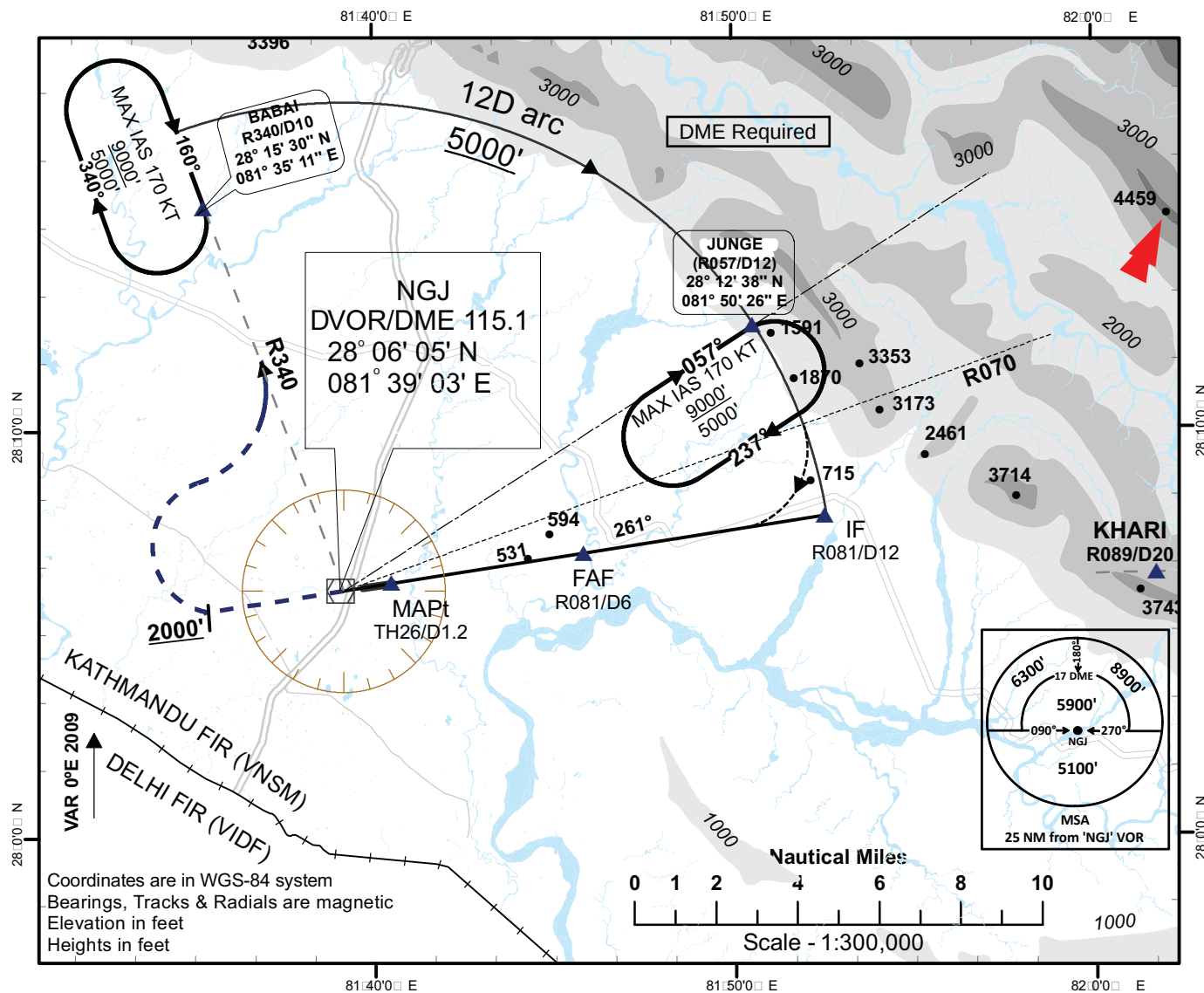
TWR 118.3

**NEPALGUNJ, NEPAL
Nepalgunj Airport
VOR Z RWY 26
VOR 'NGJ' 115.1**



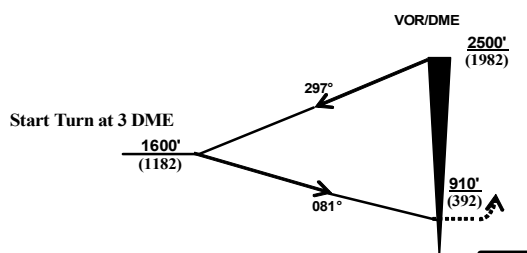
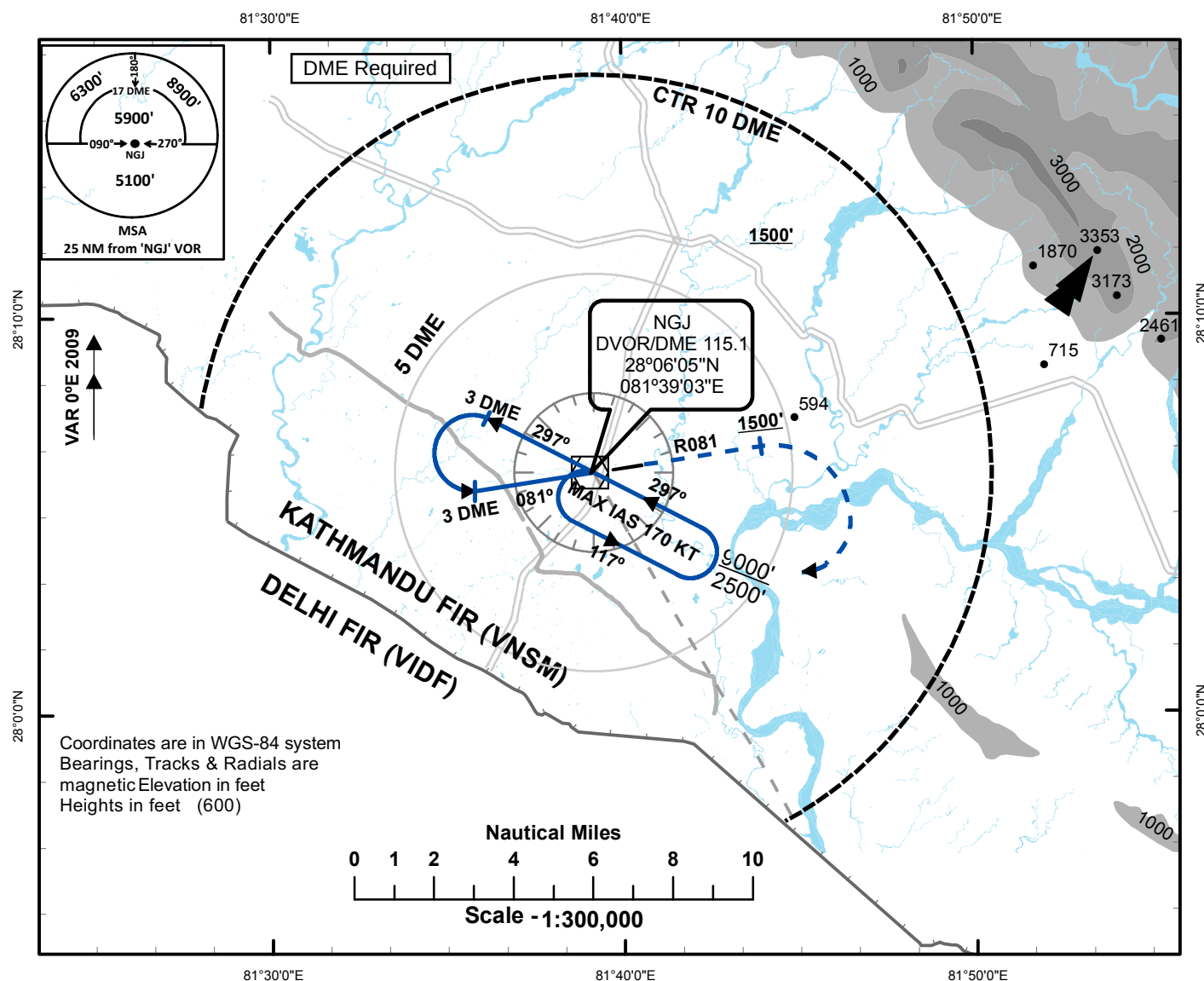
INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV 518'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.

TWR 118.3

NEPALGUNJ, NEPAL
Nepalgunj Airport
VOR Y RWY 26
VOR 'NGJ' 115.1

INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV 518'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.

TWR 118.3

NEPALGUNJ, NEPAL
Nepalgunj Airport
VOR RWY 08
VOR 'NGJ' 115.1

MISSED APPROACH:
CLIMB STRAIGHT AHEAD TO 1500'. TURN
RIGHT TO JOIN 'NGJ' VOR HOLDING AT OR
ABOVE 2500'.
THIS PROCEDURE REQUIRES CLIMB
GRADIENT OF 3% IN MA.

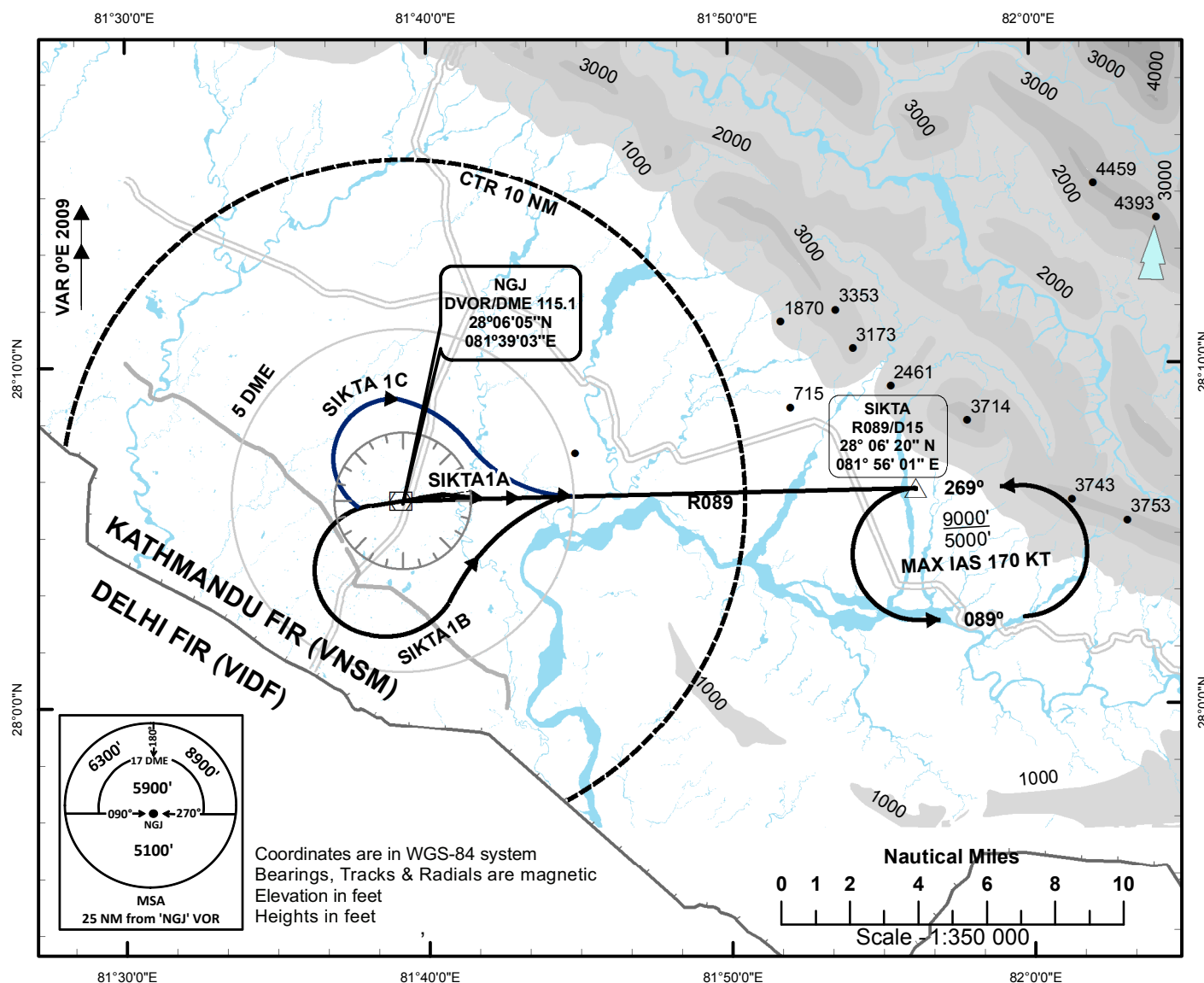
OCA/H	A	B	C
ST-IN RWY 08	910 (392) - 2000 mt		2400 mt
CIRCLING	1020 (502) - 2000 mt	1500 (982) - 2800 mt	1610 (1092) - 3700 mt
	NOT AUTHORIZED AT NIGHT		

**STANDARD
DEPARTURE
CHART -
INSTRUMENT
(SID) - ICAO**

**AERODROME ELEV 518'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.**

TWR 118.3

**NEPALGUNJ, NEPAL
Nepalgunj Airport
SIKTA1A, SIKTA1B
SIKTA 1C
VOR 'NGJ' 115.1**



Minimum visibility required - 1600 m

SID SIKTA1A RWY 08 (PDG 5.3%)

AFTER DEPARTURE TURN RIGHT TO INTERCEPT R089 'NGJ' TO SIKTA (R089/D15) HOLDING AT OR ABOVE 5000'. CLIMB TO MEA.

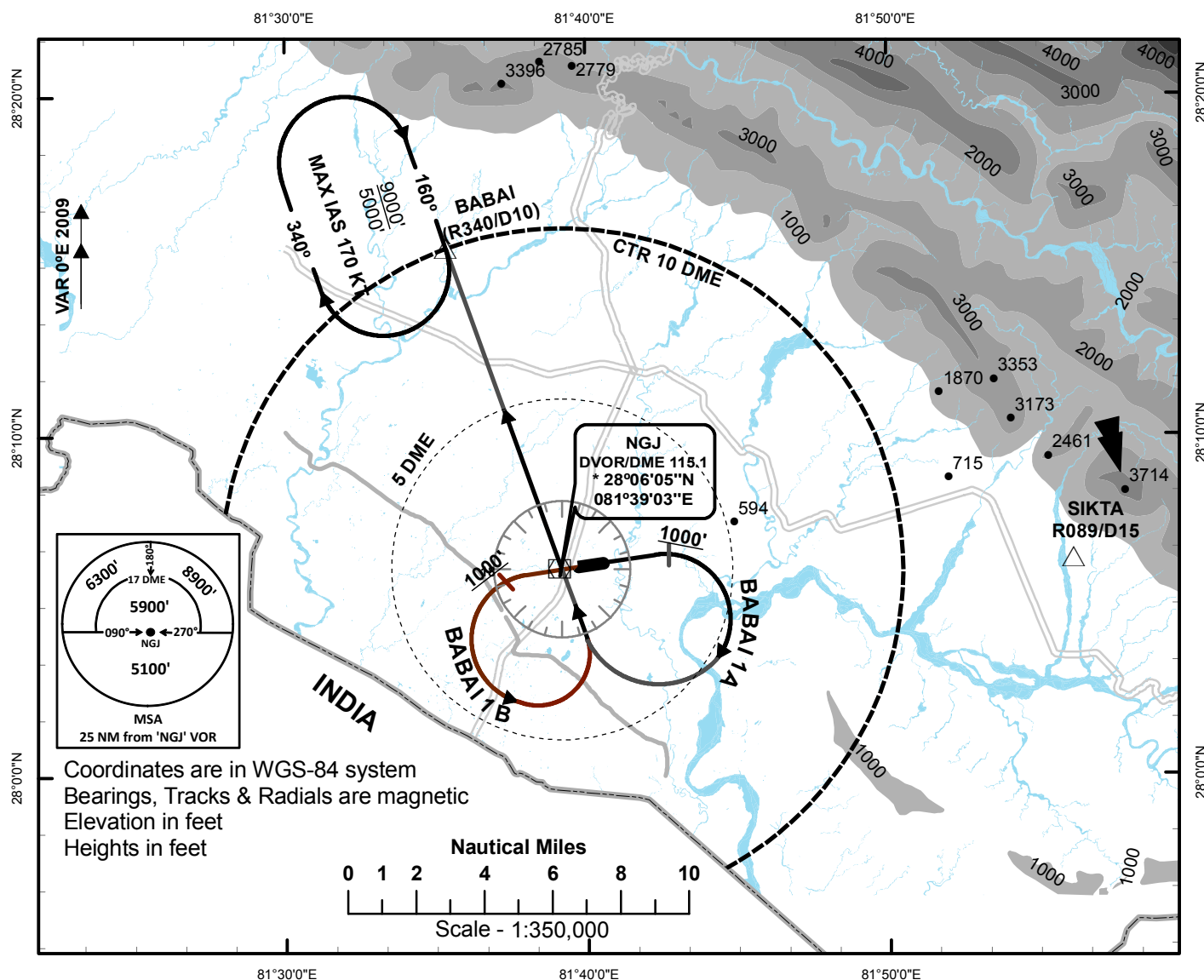
SID SIKTA1B RWY 26 (PDG 4.5%

CLIMB STRAIGHT AHEAD TO 1000'. TURN LEFT TO INTERCEPT R089 'NGJ' OUTBOUND BY 5 DME THEN PROCEED TO SIKTA (R089/D15) HOLDING AT OR ABOVE 5000'. CLIMB TO MEA.

SID SIKTA1C RWY 26 (PDG 4.5%)

CLIMB STRAIGHT AHEAD TO 1000'. TURN RIGHT TO INTERCEPT R089 'NGJ' OUTBOUND BY 5 DME THEN PROCEED TO SIKTA (R089/D15) HOLDING AT OR ABOVE 5000'. CLIMB TO MEA.

NEPALGUNJ, NEPAL
Nepalgunj Airport
BABAI 1A, BABAI 1B
VOR 'NGJ' 115.1

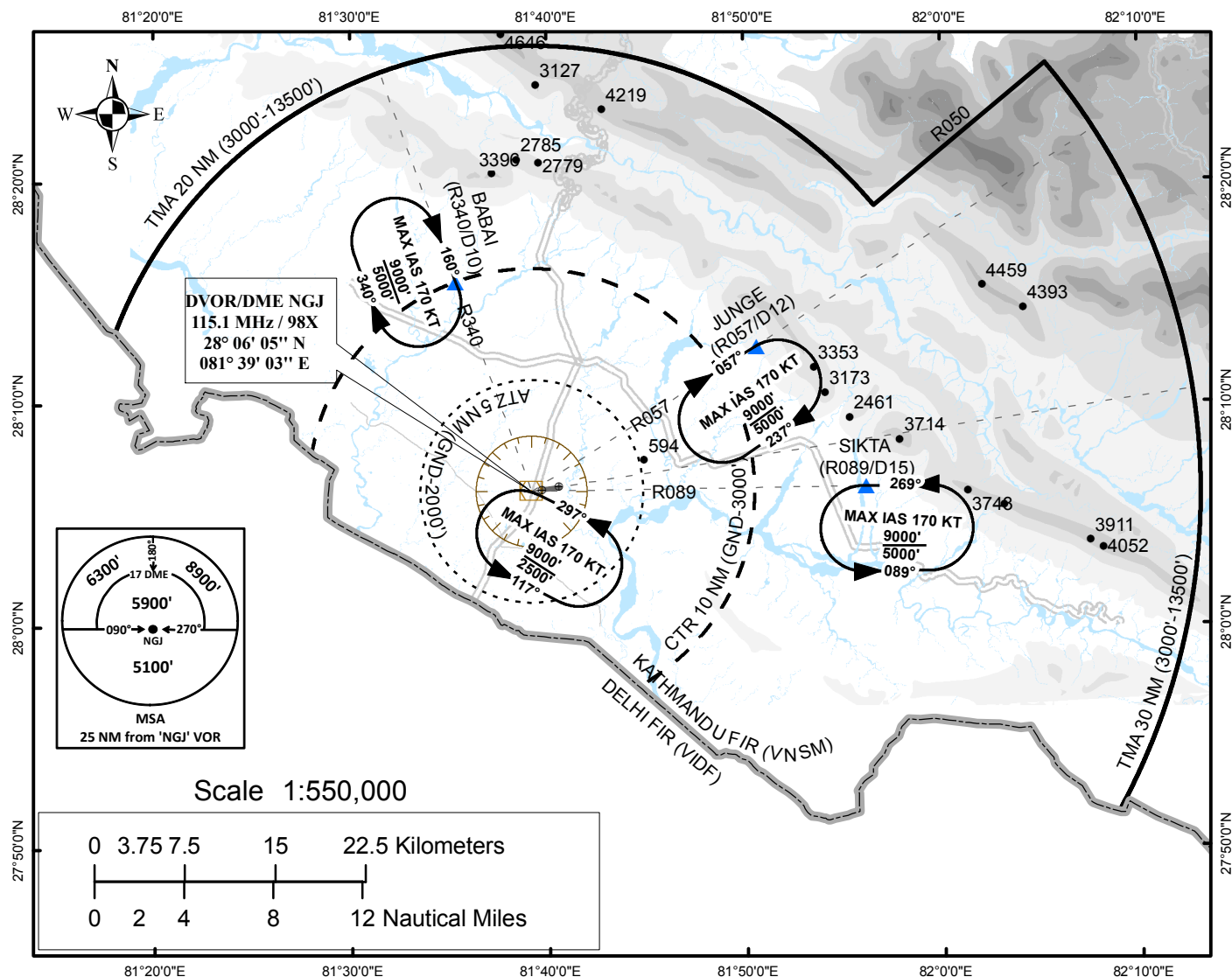


Minimum visibility required - 1600 m

DEPARTURE TURN LIMITED TO 180 KTS. MINIMUM PDG 5.0%
CLIMB STRAIGHT AHEAD TO 1000 FT. CLIMBING RIGHT TURN TO 'NGJ' AT OR ABOVE 2000 FT.
FOLLOW OUTBOUND R340 TO BABAI (R340/D10) AT OR ABOVE 5000 FT.

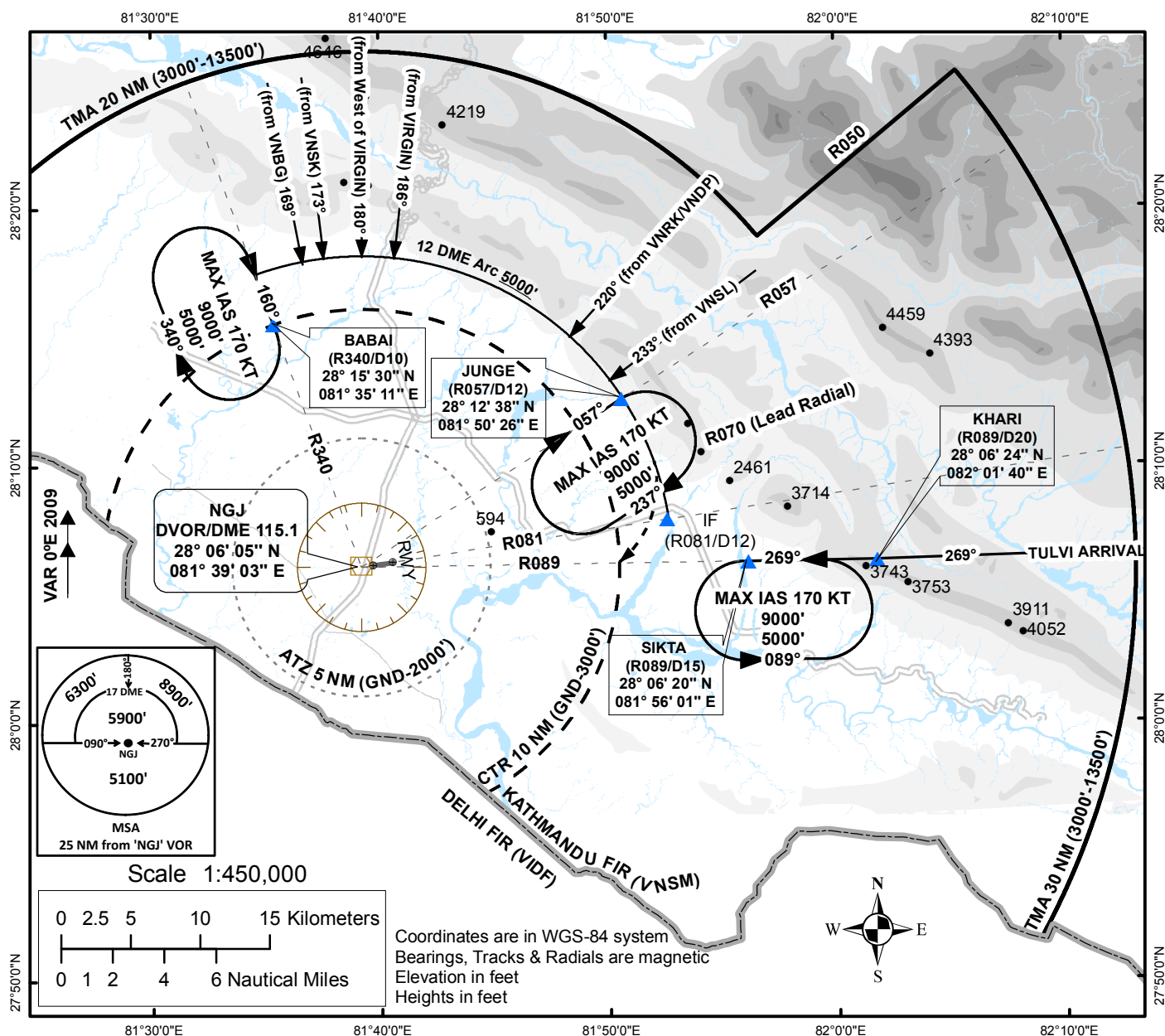
DEPARTURE TURN LIMITED TO 180 KTS. MINIMUM PDG 5.0%
CLIMB STRAIGHT AHEAD TO 1000 FT. CLIMBING LEFT TURN TO 'NGJ' AT OR ABOVE 2000 FT.
FOLLOW OUTBOUND R340 TO BABAI (R340/D10) AT OR ABOVE 5000 FT.

TMA, CTR AND IFR HOLDING POINTS



Airspace	Lateral Dimension	Vertical Limit
ATZ	5 NM radius.	<u>2000 ft AGL</u> GND
CTR	FIR Boundary towards South and 10 NM radius on rest of the sector	<u>3000 ft AMSL</u> GND
TMA	FIR Boundary to the South and arc of a circle of 20 NM radius plus an area enclosed by R050 to FIR Boundary to the South upto 30 NM.	<u>13500 ft AMSL</u> 3000 ft AMSL

STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO	AERODROME ELEV 518' TRANS LEVEL: FL150 TRANS ALT: 13500 ft. MAG VAR 0°E (2009)	TWR 118.3	NEPALGUNJ, NEPAL Nepalgunj Airport NORTH ARRIVAL, TULVI ARRIVAL VOR 'NGJ' 115.1
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NORTH ARRIVAL

Aircraft can join 12 DME arc from any direction maintaining MSA and can descend to 5000 ft remaining in the arc.

Applicable for VOR/DME y Rwy 26 approach and transitioning from one point to another.

TULVI ARRIVAL

From TULVI (R089/D34) track 269° to SIKTA (R089/D15).

Aircraft can leave 6000 ft to 5000 ft from KHARI (R089/D20).