

## 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	280606.21 N 0814008.35 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	<b>Storage Capacity (KL):</b> Physical -280, Mobile-23 <b>Storage Type:</b> UG Tank (70×4) <b>Refueller Details:</b> 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	Post office in the city. ATM Available in Airport
6.	Tourist Office	In the city.
7.	Remarks	-

## **VNNG AD 2.6 RESCUE AND FIRE FIGHTING SERVICE**

1.	AD Category for firefighting	Category 5
2.	Rescue equipment	Available as per Category
3.	Capability for removal of disabled aircraft	Available
4.	Remarks	Ambulance Service and wheel type of fire extinguishers available.

## **VNNG AD 2.7 SEASONAL AVAILABILITY**

Aerodrome is available throughout the year.
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## **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 15m, TWY B 20m, TWY C 15m, Parallel TWY 15m, Surface-Asphalt
3.	Altimeter check point location and elevation	Location: - At Apron Elevation :- 518 ft.
4.	VOR/INS checkpoints	VOR:-Taxi holding position 'B'
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

Obstacle ID	Obstacle Name	Latitude (WGS84)	Longitude (WGS84)	Elevation (M/Ft)	Remarks
NG0001	Tower	28°06'4.9"N	81°40'4.1"E	186/610	
NG0002	ATC	28°06'5"N	81°40'3.7"E	178/584	
NG0003	Water Tank	28°06'3.1"N	81°40'10.3"E	181/594	
NG0005	Tree	28°06'0.7"N	81°40'5.7"E	183/601	
NG0006	House	28°05'55.9"N	81°40'10.3"E	169/555	
NG0007	Tree	28°05'53"N	81°40'5.8"E	193/632	
NG0008	Tree	28°06'3.5"N	81°40'0.1"E	173/569	
NG0009	Water Tank	28°06'0.7"N	81°39'46.5"E	177/580	
NG0010	Hanger	28°06'2.3"N	81°39'46.6"E	168/550	
NG0011	Light	28°06'5"N	81°39'59.4"E	167/548	
NG0012	Light	28°06'5.3"N	81°40'1.5"E	167/549	
NG0013	Light	28°06'5.8"N	81°40'5.9"E	167/548	
NG0014	Tree	28°06'4.2"N	81°40'13.6"E	173/567	
NG0015	Tree	28°06'10.2"N	81°40'17.3"E	173/568	
NG0016	Tree	28°06'10.8"N	81°40'16.2"E	167/549	
NG0017	House	28°06'6.7"N	81°40'17.8"E	164/539	
NG0018	House	28°06'2.7"N	81°40'19.2"E	166/544	
NG0019	Tree	28°06'8.4"N	81°40'22.8"E	183/600	
NG0020	Tree	28°06'7.6"N	81°40'24.2"E	178/583	
NG0021	Tree	28°06'7.6"N	81°40'25.3"E	179/589	
NG0022	Tree	28°06'5.5"N	81°40'25.2"E	179/586	

NG0023	Tree	28°06'2.3"N	81°40'23.3"E	185/606	
NG0024	Tree	28°06'1.6"N	81°40'22.8"E	183/600	
NG0025	Tree	28°06'0.6"N	81°40'22.7"E	181/595	
NG0026	Tree	28°06'1.4"N	81°40'19"E	174/572	
NG0027	Tree	28°06'0.7"N	81°40'20.3"E	179/588	
NG0028	Tree	28°06'0.4"N	81°40'19.6"E	180/591	
NG0029	Tree	28°05'58.5"N	81°40'20.6"E	180/590	
NG0030	Tree	28°06'3.6"N	81°40'25.5"E	182/596	
NG0032	Tree	28°06'17.5"N	81°40'53.2"E	159/521	
NG0037	Tree	28°06'19.7"N	81°40'51.7"E	159/522	
NG0039	Tree	28°06'23.5"N	81°40'51"E	173/567	
NG0041	Electric Pole	28°06'20"N	81°40'51.3"E	158/518	
NG0042	Tree	28°06'18.1"N	81°40'52"E	157/514	
NG0055	Tree	28°06'20.8"N	81°40'10.8"E	168/550	
NG0056	Tree	28°06'20.6"N	81°40'19.8"E	177/580	
NG0057	Tree	28°06'21.8"N	81°40'18.8"E	173/569	
NG0058	House	28°06'19.6"N	81°40'27.6"E	162/533	

NG0060	Tree	28°06'23.7"N	81°40'22.1"E	176/578	
NG0061	Tree	28°06'16.3"N	81°39'37.2"E	166/543	
NG0062	Tree	28°06'18"N	81°39'36.3"E	169/555	
NG0063	House	28°06'12.1"N	81°39'32.9"E	161/527	
NG0064	Tree	28°06'17.4"N	81°39'38.1"E	168/551	
NG0065	House	28°06'17.6"N	81°39'38.5"E	165/543	
NG0066	Tree	28°06'15.4"N	81°39'39.7"E	161/530	
NG0067	House	28°06'17.3"N	81°39'39.7"E	164/538	
NG0068	Tree	28°06'16.7"N	81°39'40.5"E	168/552	
NG0069	Tree	28°06'17"N	81°39'40.8"E	168/551	
NG0070	Tree	28°06'18.8"N	81°39'42.7"E	170/557	
NG0071	House	28°06'20.9"N	81°39'21.4"E	168/552	
NG0072	Windsock	28°06'10.8"N	81°39'34.8"E	164/537	
NG0073	Tree	28°05'59.7"N	81°39'28.6"E	184/604	
NG0074	House	28°06'0.6"N	81°39'36.2"E	168/551	
NG0075	House	28°06'1.4"N	81°39'24.4"E	166/543	
NG0076	House	28°06'4.4"N	81°39'22.6"E	157/516	
NG0077	Tree	28°06'1.7"N	81°39'22.1"E	171/559	
NG0078	House	28°06'1.7"N	81°39'21.8"E	165/542	
NG0082	House	28°06'3.7"N	81°39'17.1"E	161/530	
NG0083	Gate	28°06'4.3"N	81°39'14.9"E	164/537	
NG0084	Tree	28°06'4.5"N	81°39'13.4"E	168/551	
NG0085	Tree	28°06'5.2"N	81°39'13.8"E	166/545	
NG0086	Tree	28°06'7.7"N	81°39'14"E	163/535	
NG0087	Tree	28°06'8.8"N	81°39'14.6"E	163/536	
NG0088	House	28°06'9.8"N	81°39'14.5"E	159/521	
NG0089	House	28°06'10.5"N	81°39'14.9"E	159/521	
NG0090	House	28°06'12.5"N	81°39'15.8"E	163/535	
NG0091	Electric Pole	28°06'13"N	81°39'16.4"E	163/536	
NG0092	House	28°06'15.2"N	81°39'15.8"E	164/537	
NG0093	House-WIFI	28°06'15.5"N	81°39'16.5"E	168/551	
NG0094	House	28°06'19.1"N	81°39'21"E	171/560	
NG0095	House (Hording Board)	28°06'18.4"N	81°39'20"E	169/555	
NG0096	Tree	28°06'0.1"N	81°39'41.6"E	179/588	

NG0097	Tree	28°06'0.4"N	81°39'42.8"E	178/584	
NG0098	Tree	28°05'57.5"N	81°39'42.6"E	178/583	
NG0099	Water Tank	28°05'43.8"N	81°39'47.2"E	181/593	
NG0100	Mobile Tower	28°05'51.4"N	81°39'51.7"E	176/577	
NG0101	Mobile Tower	28°05'50.6"N	81°39'48.2"E	174/570	
NG0102	Fire House	28°06'5.8"N	81°40'10.6"E	169/555	
NG0104	Tree	28°06'14"N	81°40'57.1"E	174/572	
NG0105	Tree	28°06'9.6"N	81°40'52.4"E	179/588	
NG0106	Tree	28°06'24.6"N	81°40'32.2"E	173/568	
NG0107	Tree	28°06'25.8"N	81°40'35.4"E	171/562	
NG0108	Tree	28°06'25.2"N	81°40'39.3"E	166/545	
NG0109	Tree	28°06'25.5"N	81°40'41.3"E	164/537	
NG0110	Tree	28°06'25.3"N	81°40'43.1"E	165/541	
NG0111	Tree	28°06'23.2"N	81°40'46.2"E	165/542	
NG0112	Tree	28°06'21.3"N	81°40'48"E	167/548	
NG0113	Tree	28°06'21.6"N	81°40'41.4"E	160/527	
NG0114	Tree	28°06'28.7"N	81°40'25.5"E	170/558	
NG0115	Tree	28°06'22.6"N	81°40'21.2"E	171/562	
NG0116	Tree	28°06'20.7"N	81°40'30.3"E	163/535	
NG0117	Tree	28°06'27.7"N	81°41'10.5"E	172/565	
NG0118	Tree	28°06'17.2"N	81°41'13.2"E	167/546	
NG0119	Tree	28°06'15.2"N	81°41'21.2"E	176/578	
NG0120	Tree (Forest Start)	28°05'57.8"N	81°41'16.4"E	171/561	
NG0121	Telecom Tower	28°07'19.2"N	81°41'9.7"E	190/622	
NG0122	Telecom Tower	28°07'16"N	81°41'8.6"E	191/628	
NG0123	Brick Chimney	28°07'10.1"N	81°40'34.4"E	188/618	
NG0124	Brick Chimney	28°07'6.9"N	81°40'46.8"E	186/611	
NG0125	Brick Chimney	28°07'15.5"N	81°40'10.5"E	184/603	
NG0126	Brick Chimney	28°07'13.9"N	81°40'16.9"E	185/608	
NG0127	Bheri Hotel	28°06'48.8"N	81°39'33.3"E	181/594	
NG0128	Water Park	28°06'41.6"N	81°39'31.2"E	176/576	
NG0129	Brick Chimney	28°08'6.4"N	81°40'51.7"E	184/603	
NG0130	Brick Chimney	28°08'4"N	81°40'36.8"E	188/616	
NG0131	Brick Chimney	28°07'57.8"N	81°40'38.4"E	186/611	
NG0132	Under Construction Factory	28°07'58.1"N	81°40'44.6"E	186/609	
NG0133	Brick Chimney	28°07'42.4"N	81°40'15"E	186/610	

NG0134	Yeti Cement	28°07'37.9"N	81°39'50.6"E	180/592	
NG0135	Factory Chimney	28°07'46.8"N	81°39'53.6"E	191/626	
NG0136	Factory Chimney	28°07'47.8"N	81°39'43.7"E	180/590	
NG0137	Nepal Wellhope (Light)	28°08'43.3"N	81°40'8.8"E	195/640	
NG0138	Nepal Wellhope (Chimney)	28°08'44.9"N	81°40'11.2"E	191/626	
NG0139	Factory Chimney	28°08'47.4"N	81°39'53.6"E	193/632	
NG0140	Water Tank	28°10'33.7"N	81°40'39.9"E	192/631	
NG0141	Telecom Tower	28°09'17.1"N	81°39'44"E	191/628	
NG0142	Water Tank	28°08'55.2"N	81°39'45"E	184/603	
NG0143	Brick Chimney	28°08'36.3"N	81°39'29.4"E	187/613	
NG0144	Water Tank	28°07'37.9"N	81°38'42.9"E	181/595	
NG0145	Cement Factory	28°07'45.4"N	81°38'30.9"E	194/637	
NG0146	Chimney	28°07'37.6"N	81°37'57.7"E	184/603	
NG0147	Telecom Tower	28°07'35.1"N	81°37'43.4"E	179/587	
NG0148	Telecom Tower	28°07'30.2"N	81°37'33.6"E	184/605	
NG0149	Brick Chimney	28°06'52.5"N	81°36'29.7"E	186/610	
NG0150	Brick Chimney	28°06'45.1"N	81°36'47.6"E	183/599	
NG0151	Antenna (Climate)	28°06'32.3"N	81°35'38.3"E	228/749	
NG0152	Factory Chimney	28°05'44.7"N	81°36'20.4"E	185/608	
NG0153	Factory Chimney	28°05'49.2"N	81°36'24.5"E	170/559	
NG0154	Brick Chimney	28°05'11.5"N	81°36'45.4"E	181/594	
NG0155	Brick Chimney	28°06'25.5"N	81°38'35.6"E	182/598	
NG0156	Siddhartha Hotel	28°05'7.3"N	81°38'43.9"E	189/620	
NG0157	Mobile Tower	28°05'12.2"N	81°38'50.4"E	175/573	
NG0158	Bhatbhateni Complex	28°05'19"N	81°38'54.1"E	180/590	
NG0159	Nepal Telecom Tower	28°04'38.6"N	81°38'19.8"E	184/604	
NG0160	Radio Antenna	28°04'33"N	81°38'9.1"E	188/618	
NG0161	Mobile Tower	28°04'18.9"N	81°37'56.2"E	177/581	
NG0162	Mobile Tower	28°04'18"N	81°37'58"E	188/617	
NG0163	Mobile Tower	28°04'21.9"N	81°37'59.8"E	179/588	
NG0164	Telecom Tower	28°04'22.9"N	81°37'57.8"E	188/617	
NG0165	Communication Tower	28°04'8"N	81°37'41.3"E	184/603	
NG0166	Hotel City Palace	28°04'3.8"N	81°37'40.2"E	185/607	
NG0167	Nepal Telecom Tower	28°03'15.5"N	81°37'11.8"E	206/677	
NG0168	Telecom Tower	28°03'54.9"N	81°38'57.1"E	204/669	
NG0169	Telecom Tower	28°04'16.8"N	81°42'26.5"E	185/607	
NG0170	Telecom Tower	28°03'39.6"N	81°41'33.4"E	181/594	

NG0171	Wifi Tower	28°03'47.3"N	81°41'28.9"E	169/555	
NG0172	Mobile Tower	28°05'42.7"N	81°39'5.8"E	182/596	
NG0173	Mobile Tower	28°05'40.2"N	81°39'7.4"E	175/574	
NG0174	Soltee Hotel	28°05'18.8"N	81°39'17.1"E	183/600	
NG0175	Telecom Tower	28°04'46"N	81°40'13.6"E	185/606	
NG0176	Brick Chimney	28°04'43.9"N	81°40'33.1"E	184/602	
NG0177	Brick Chimney	28°04'30.3"N	81°40'30.1"E	181/593	
NG0178	Brick Chimney	28°05'26.6"N	81°40'0.1"E	181/595	
NG0179	Brick Chimney	28°05'28.3"N	81°39'48.6"E	182/598	
NG0180	Brick Chimney	28°05'13.7"N	81°39'47.6"E	182/598	
NG0181	Water Tank	28°05'49.3"N	81°39'37.7"E	177/580	
NG0182	NDB	28°05'51.1"N	81°39'27.7"E	176/579	
NG0183	NDB	28°05'50.5"N	81°39'25.6"E	176/579	
NG0184	NDB	28°05'52.4"N	81°39'25.5"E	177/579	
NG0185	NDB	28°05'53.4"N	81°39'27.8"E	177/580	
NG0186	NDB	28°05'55.1"N	81°39'26.1"E	177/580	
NG0187	VORDME	28°06'5.1"N	81°39'4.8"E	168/550	
NG0188	VORDME	28°06'4.6"N	81°39'4.2"E	168/550	
NG0189	VORDME	28°06'4.9"N	81°39'3.8"E	163/534	
NG0190	VORDME	28°06'5.3"N	81°39'4.0"E	168/550	
NG0191	Tree	28°06'13.5"N	81°38'57.4"E	175/575	
NG0192	Tree	28°06'13.4"N	81°38'55.3"E	171/561	
NG0193	Tree	28°06'14.7"N	81°38'52.6"E	175/573	

## VNNG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET Office	MET office, Nepalganj 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	Nepalganj 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°	1702 x 30	21/F/C/Y/T Bitumen	280608.20 N* 0813926.80 E	156.07m AMSL
26	261°	1702 x30	21/F/C/Y/T Bitumen	280616.90 N* 0814028.42E	157.15 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	1702	1702	1702	1702	
26	1702	1702	1702	1702	

### **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°  MEHT = 14.02m	NIL	NIL	1702m, 60m White, LIM	Red	NIL	
08	NIL	Green	PAPI Left/3.00°  MEHT = 12.25m	NIL	NIL	1702m, 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	Secondary Power Supply all Lighted at Aerodrome Swith-over Time : 15 sec.
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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">CTR:</td> <td style="text-align: center;">ATZ</td> </tr> <tr> <td style="text-align: center;"><u>3000' AMSL</u></td> <td style="text-align: center;"><u>2000' AGL</u></td> </tr> <tr> <td style="text-align: center;">GND</td> <td style="text-align: center;">GND</td> </tr> </table>		CTR:	ATZ	<u>3000' AMSL</u>	<u>2000' AGL</u>	GND	GND
CTR:	ATZ							
<u>3000' AMSL</u>	<u>2000' AGL</u>							
GND	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
TWR	Nepalgunj Tower	118.3 MHZ	As ATS	HF 5805.5 KHZ

\* WGS 84 Coordinates

**VNNG AD 2.19 RADIO NAVIGATION AND LANDING AID**

Type of Aid MAG VAR				Position of Transmitting Antenna Coordinates	Elevation of DME Transmitting Antenna	Remarks
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**

Intentionally Blank

## **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.

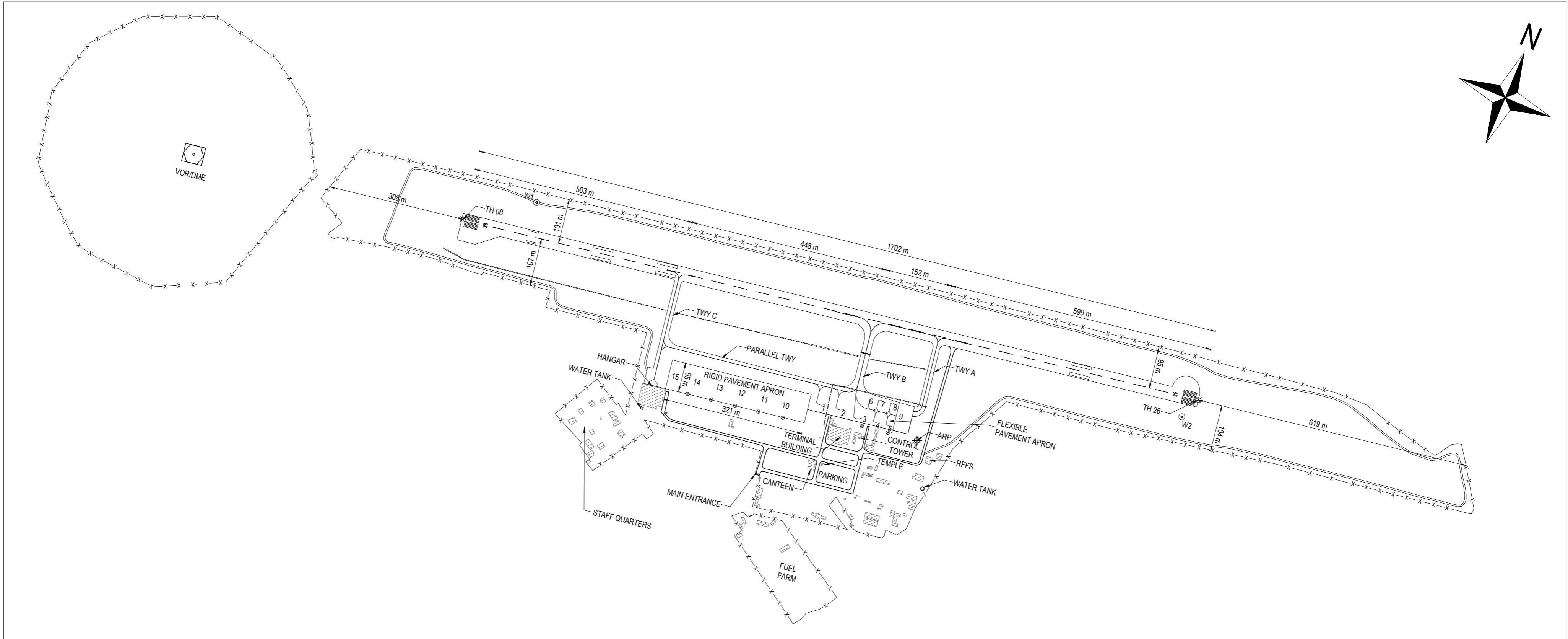
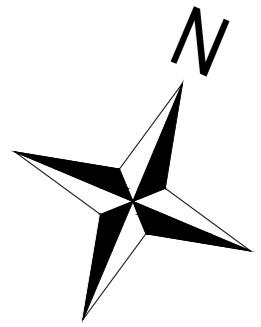
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**VNNG AD 2.24 CHARTS RELATED TO NEPALGUNJ AIRPORT**

Aerodrome Chart	VNNG AD 2-14
Instrument Approach Chart – ICAO - VOR Z RWY 26	VNNG AD 2-15
Instrument Approach Chart – ICAO - VOR Y RWY 26	VNNG AD 2-16
Instrument Approach Chart – ICAO - VOR RWY 08	VNNG AD 2-17
Standard Departure Chart – Instrument (SID) - ICAO SIKTA 1A, SIKTA 1B, SIKTA 1C	VNNG AD 2- 18
Standard Departure Chart – Instrument (SID) - ICAO BABAI 1A, BABAI B	VNNG AD 2- 19
Standard Terminal Arrival Chart - Instrument (STAR) - ICAO	VNNG AD 2- 20
TMA, CTR, ATZ and IFR Holdings	VNNG AD 2- 21

## Aerodrome Chart - ICAO

157.15 m, 115.1 MHZ, Nepalgunj Airport



RUNWAY, TAXIWAY AND APRON			
PAVEMENT	BEARING	SURFACE TYPE	DIMENSION/AREA
RUNWAY	08	81°	ASPHALT 1702 m x 30 m
	26	261°	
TAXIWAY	TWY A	ASPHALT	170 m x 15 m
	TWY B	ASPHALT	146 m x 20 m
	TWY C	ASPHALT	144 m x 15 m
	PARALLEL TWY	ASPHALT	448 m x 15 m
APRON		ASPHALT	9 Aircraft Stands
		CEMENT CONCRETE	6 Aircraft Stands

WIND DIRECTION INDICATOR CO-ORDINATES				
	LATITUDE	LONGITUDE		
W1	28° 06' 11.45"	81° 39' 31.85"		
W2	28° 06' 15.31"	81° 40' 27.69"		
DECLARED DISTANCES				
RWY	TORA	TODA	ASDA	LDA
RWY 08	1702 m	1702 m	1702 m	1702 m
RWY 26	1702 m	1702 m	1702 m	1702 m

### TERMINAL BUILDING AND CONTROL TOWER COORDINATES

DESCRIPTION	LATITUDE	LONGITUDE
Terminal Building	28° 06' 04.36" N	81° 40' 02.24" E
Control Tower	28° 06' 04.91" N	81° 40' 03.64" E

### CO-ORDINATES

Co-ordinate System	WGS 1984		
	LATITUDE	LONGITUDE	ELEVATION (m)
RWY 08	28° 06' 08.20"	81° 39' 26.80"	156.07
RWY 26	28° 06' 16.90"	81° 40' 28.42"	157.15
ARP	28° 06' 06.21"	81° 40' 08.35"	157.41

### APRON STAND COORDINATES

APRON STAND COORDINATES			
SN	Latitude	Longitude	Elevation (m)
1	28° 06' 06.09" N	81° 40' 00.33" E	156.43
2	28° 06' 06.32" N	81° 40' 01.98" E	156.73
3	28° 06' 06.18" N	81° 40' 03.48" E	156.76
4	28° 06' 06.34" N	81° 40' 04.77" E	156.72
5	28° 06' 06.50" N	81° 40' 05.87" E	156.19
6	28° 06' 07.70" N	81° 40' 03.46" E	156.69
7	28° 06' 07.87" N	81° 40' 04.55" E	156.54
8	28° 06' 08.00" N	81° 40' 05.61" E	156.23
9	28° 06' 07.29" N	81° 40' 06.02" E	156.09
10	28° 06' 05.04" N	81° 39' 57.21" E	156.3
11	28° 06' 04.78" N	81° 39' 55.37" E	156.19
12	28° 06' 04.53" N	81° 39' 53.52" E	156.13
13	28° 06' 04.27" N	81° 39' 51.66" E	156.00
14	28° 06' 04.02" N	81° 39' 49.82" E	155.88
15	28° 06' 03.78" N	81° 39' 47.99" E	155.76

LEGEND
—x— FENCE
— Service Road
— Perimeter Road
— Airport Drain
□ Airport Buildings
⊕ ARP
□ VOR/DME
⊗ Flood Light
○ Windsock

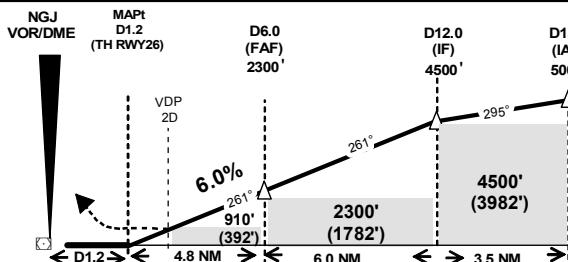
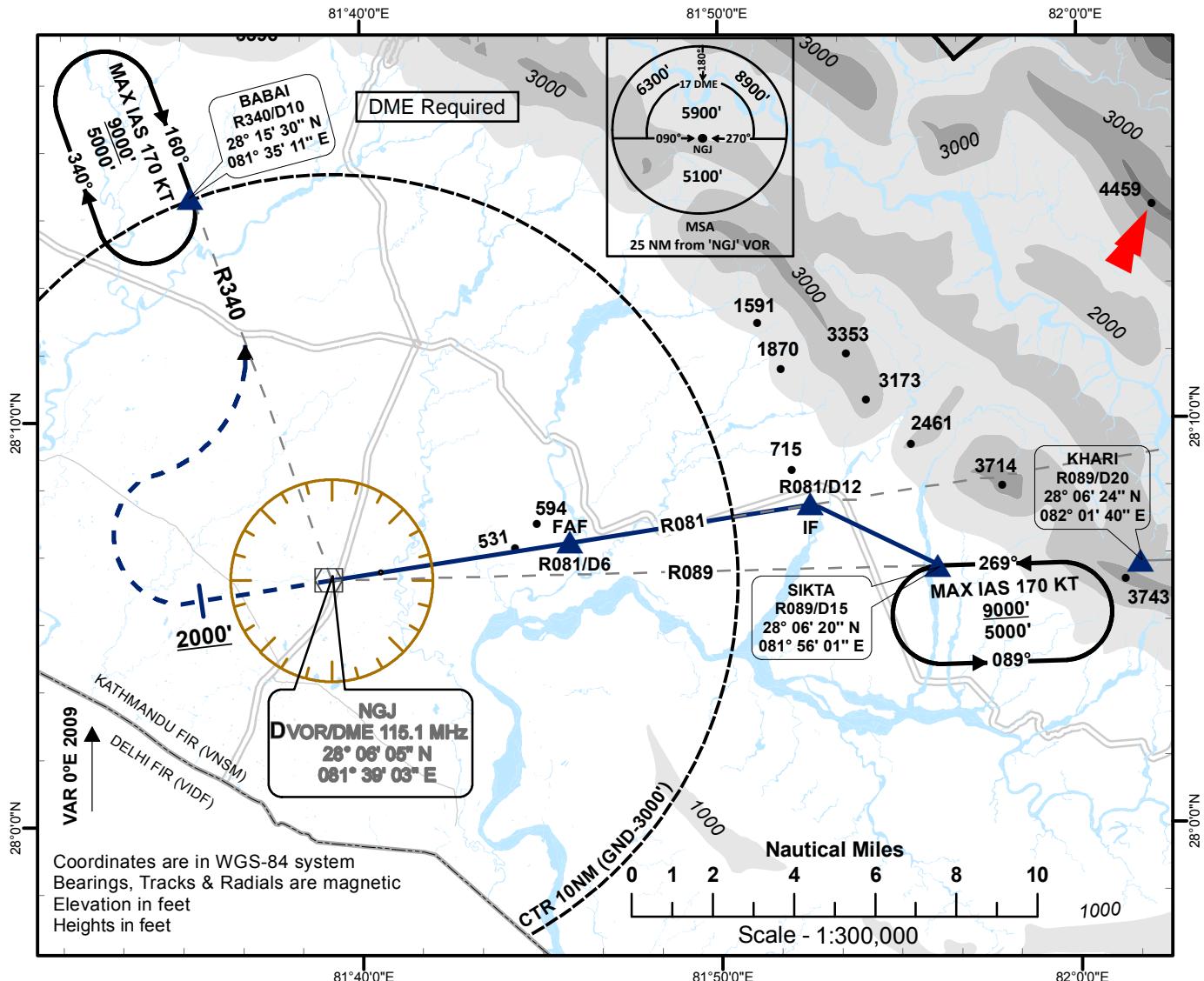
Coordinate System: WGS 1984 UTM Zone 44N  
Projection: Transverse Mercator  
Datum: WGS 1984

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



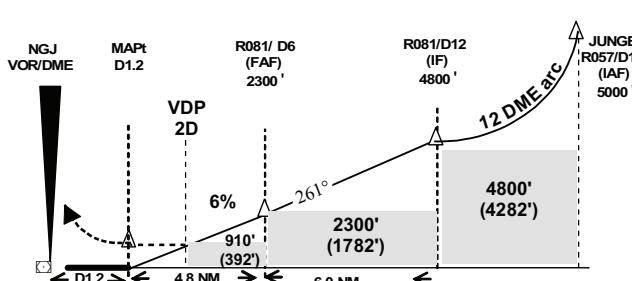
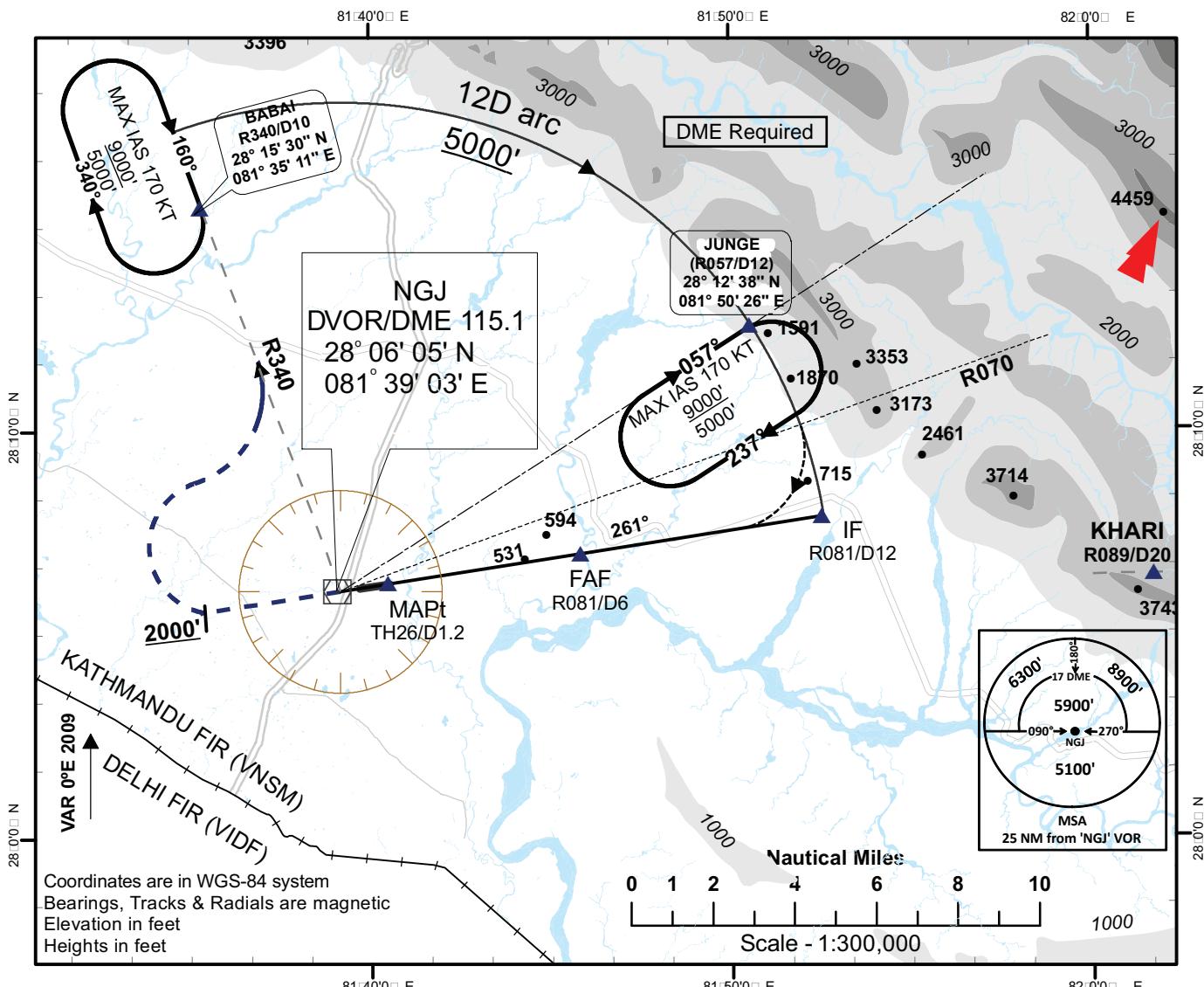
OCA/H	A	B	C	FAF to MAPt 4.8 NM								
ST-IN RWY 26	910' (392) - 1600 mt			910' (392) - 2000 mt			Knots	60	90	120	150	180
ALS OUT	Visibility 2000 mt			2400 mt			Min:Sec	4:48	3:12	2:24	1:55	1:36
CIRCLING	1020 (502) - 2000 mt	1500 (982) - 2800 mt	1610 (1092) - 3700 mt	NOT AUTHORIZED AT NIGHT			Ft/min @ 6%	365	547	729	911	1094
<b>PAPI does not coincide with the final approach gradient</b>												

# INSTRUMENT APPROACH CHART - ICAO

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

TWR 118.3

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



#### **MISSED APPROACH:**

CLIMB STRAIGHT AHEAD TO 2000'. TURN  
RIGHT TO INTERCEPT 'NGJ' R340  
OUTBOUND TO BABAI (R340/D10) AT OR  
ABOVE 5000' OR AS INSTRUCTED BY ATC

This procedure requires a gradient of 5.3% on Missed App roach .

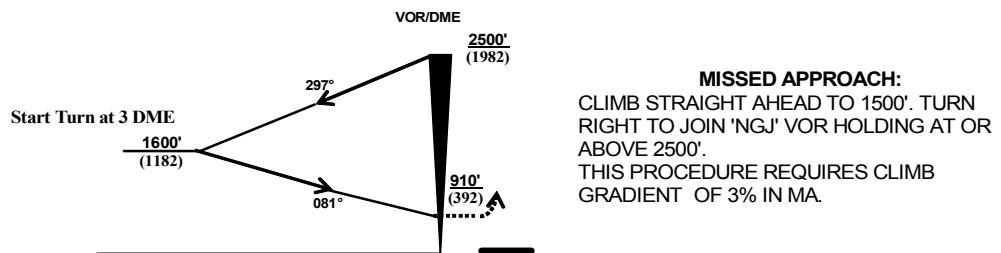
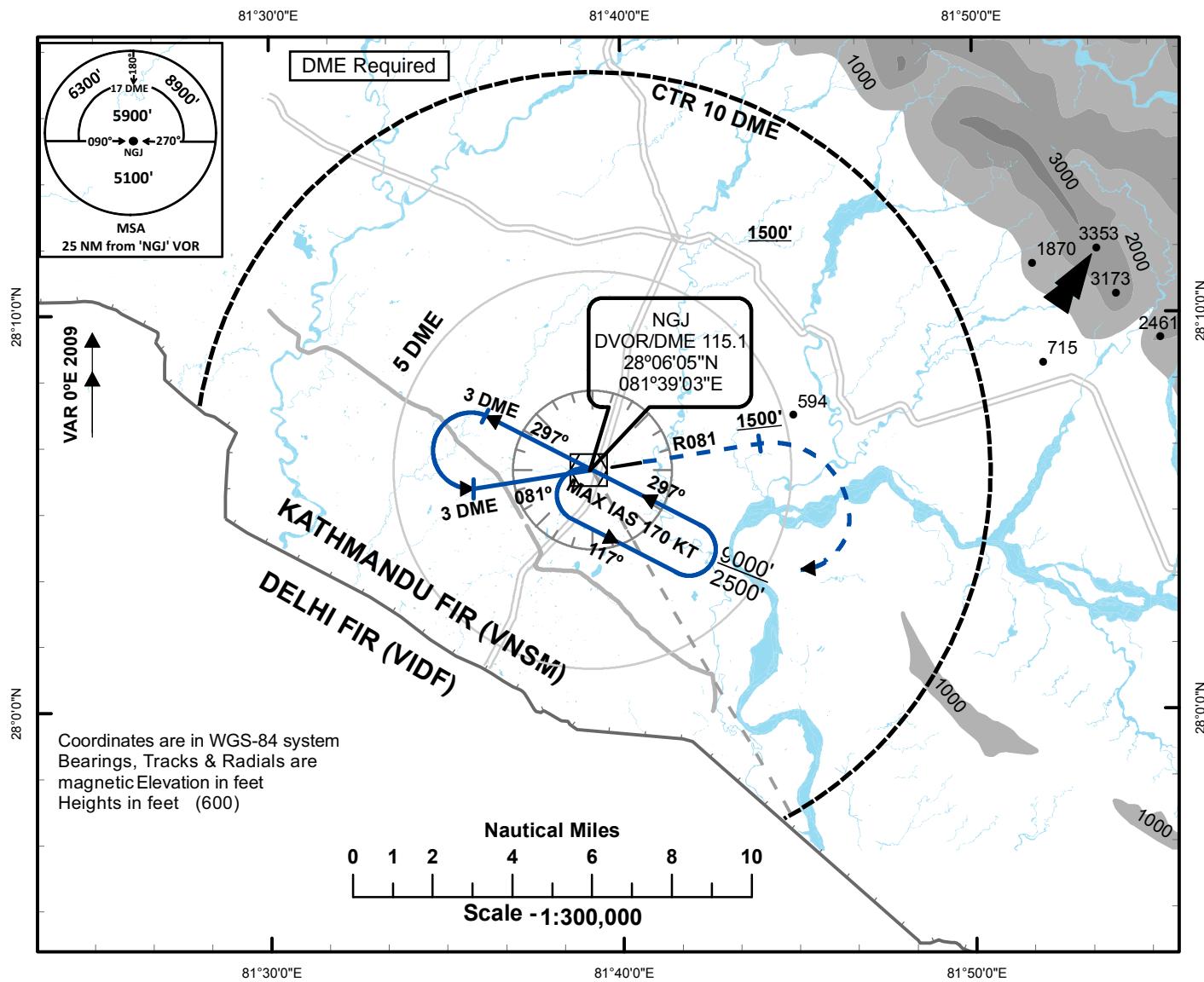
OCA/H	A	B	C	FAF to MAPt 4.8 NM					
ST-IN RWY 26	910' (392) - 1600 mt		2000 mt	Knots	60	90	120	150	180
ALS OUT	Visibility 2000 mt		2400 mt						
CIRCLING	1020 (502) - 2000 mt	1500 (982) - 2800 mt	1610 (1092) - 3700 mt	Min:Sec	4:48	3:12	2:24	1:55	1:36
	NOT AUTHORIZED AT NIGHT				Ft/min (@ 6%)	365	547	729	911
				PAPI does not coincide with the final approach gradient					

**INSTRUMENT APPROACH CHART - ICAO**

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

**TWR 118.3**

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



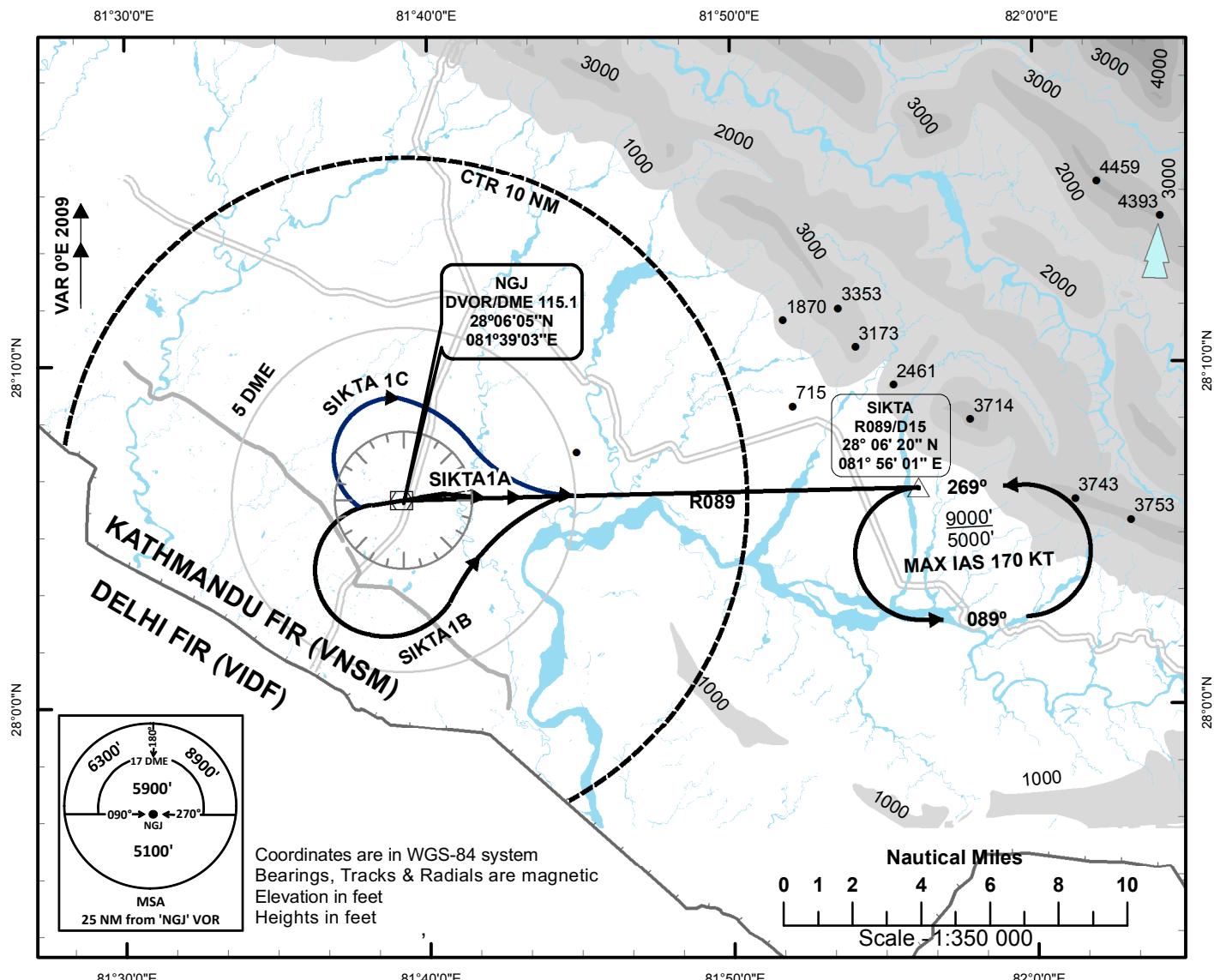
OCA/H	A	B	C
ST-IN RWY 08	910 (392) - 2000 mt		2400 mt
CIRCLING	1020 (502) - 2000 mt	1500 (982) - 2800 mt	1610 (1092) - 3700 mt
NOT AUTHORIZED AT NIGHT			

# **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%)**

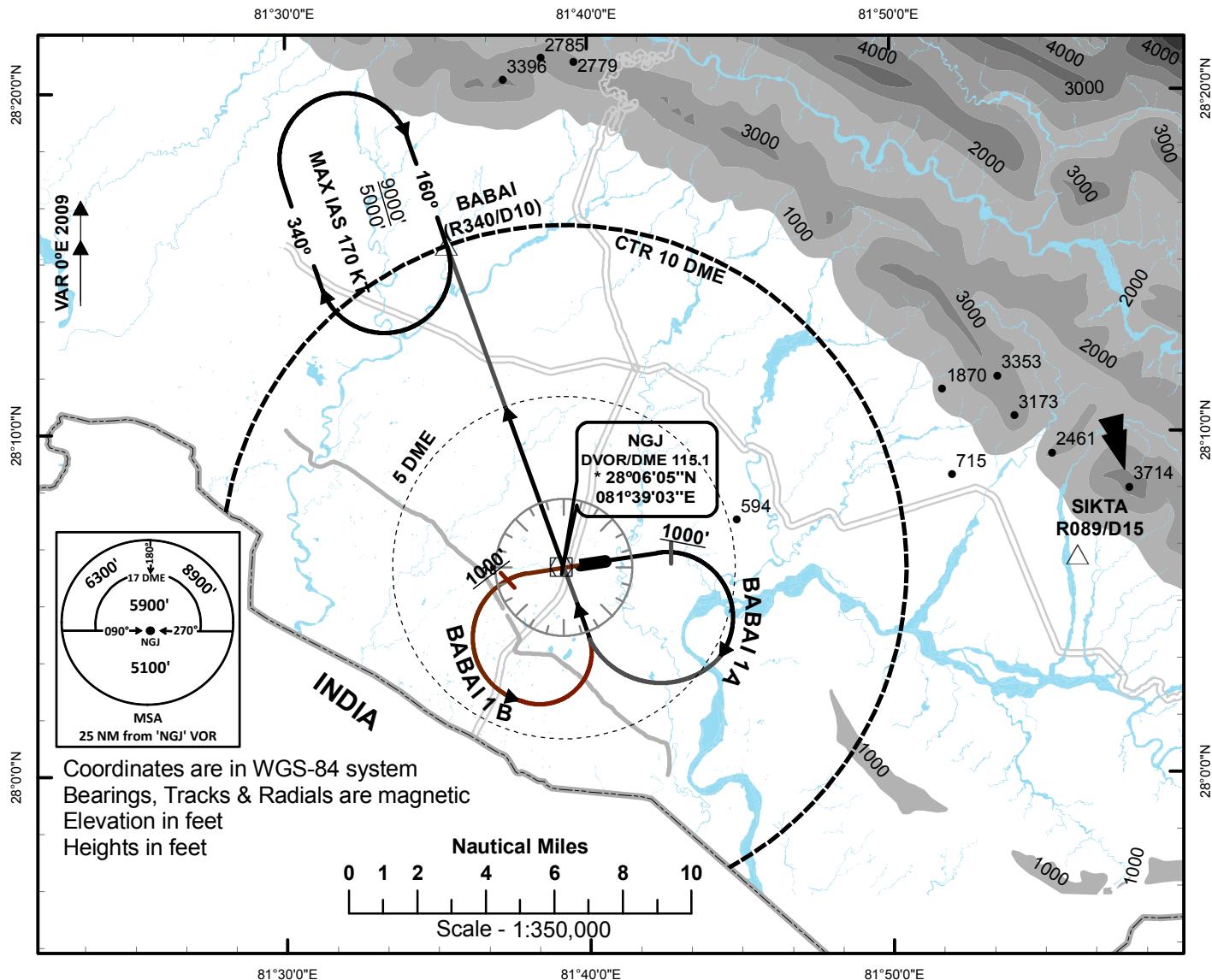
CLIMB STRAIGHT AHEAD TO 1000'. TURN RIGHT TO INTERCEPT R089 'NGJ' OUTBOUND BY 5 DME THEN PROCEED TO SIKTA ( R089/D15) HOLDING AT OR ABOVE 5000'. CLIMB TO MEA.

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

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

**TWR 118.3**

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



**Minimum visibility required - 1600 m**

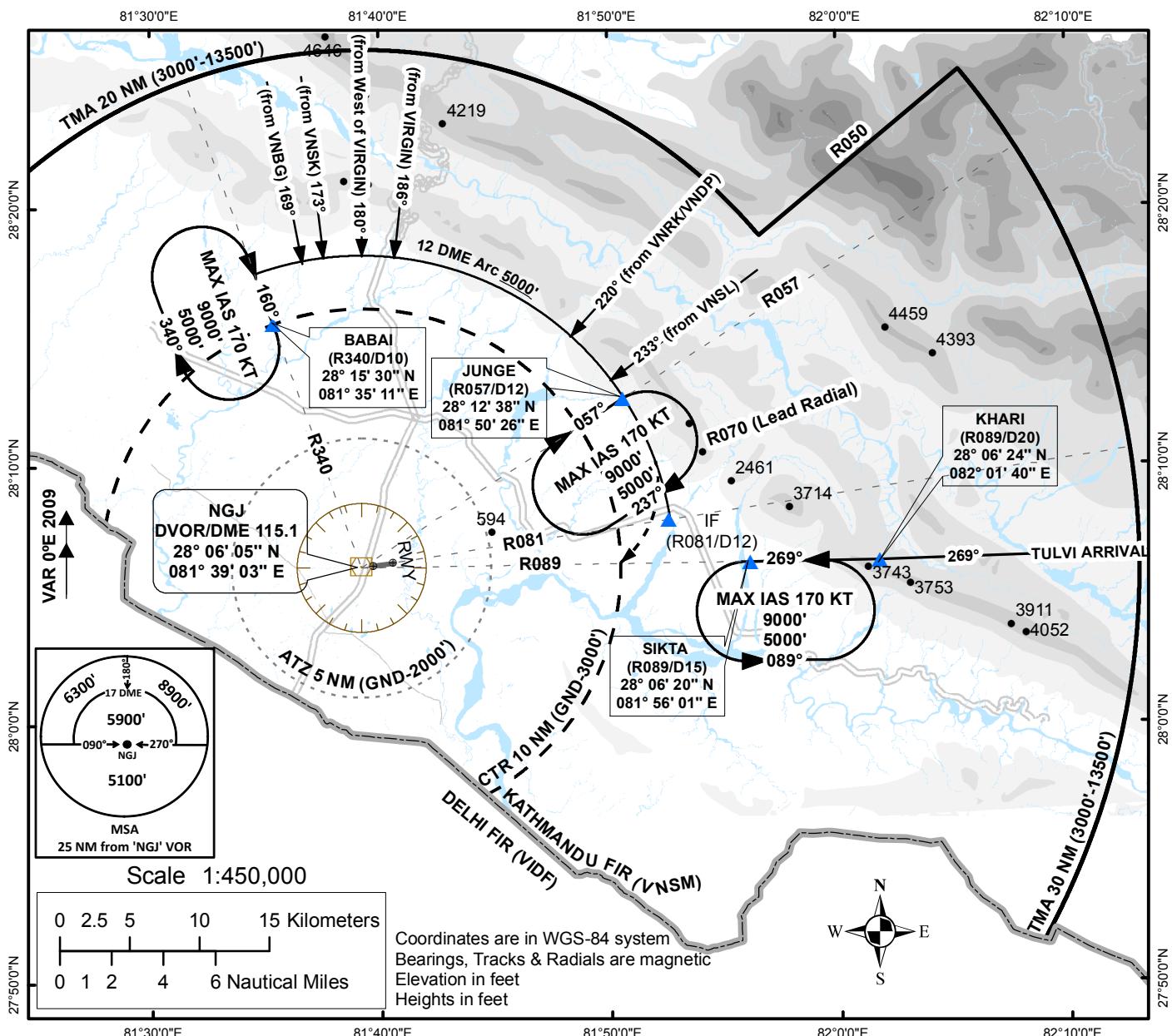
### **SID BABAI 1A RWY 08**

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.

### **SID BABAI 1B RWY 26**

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.

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.

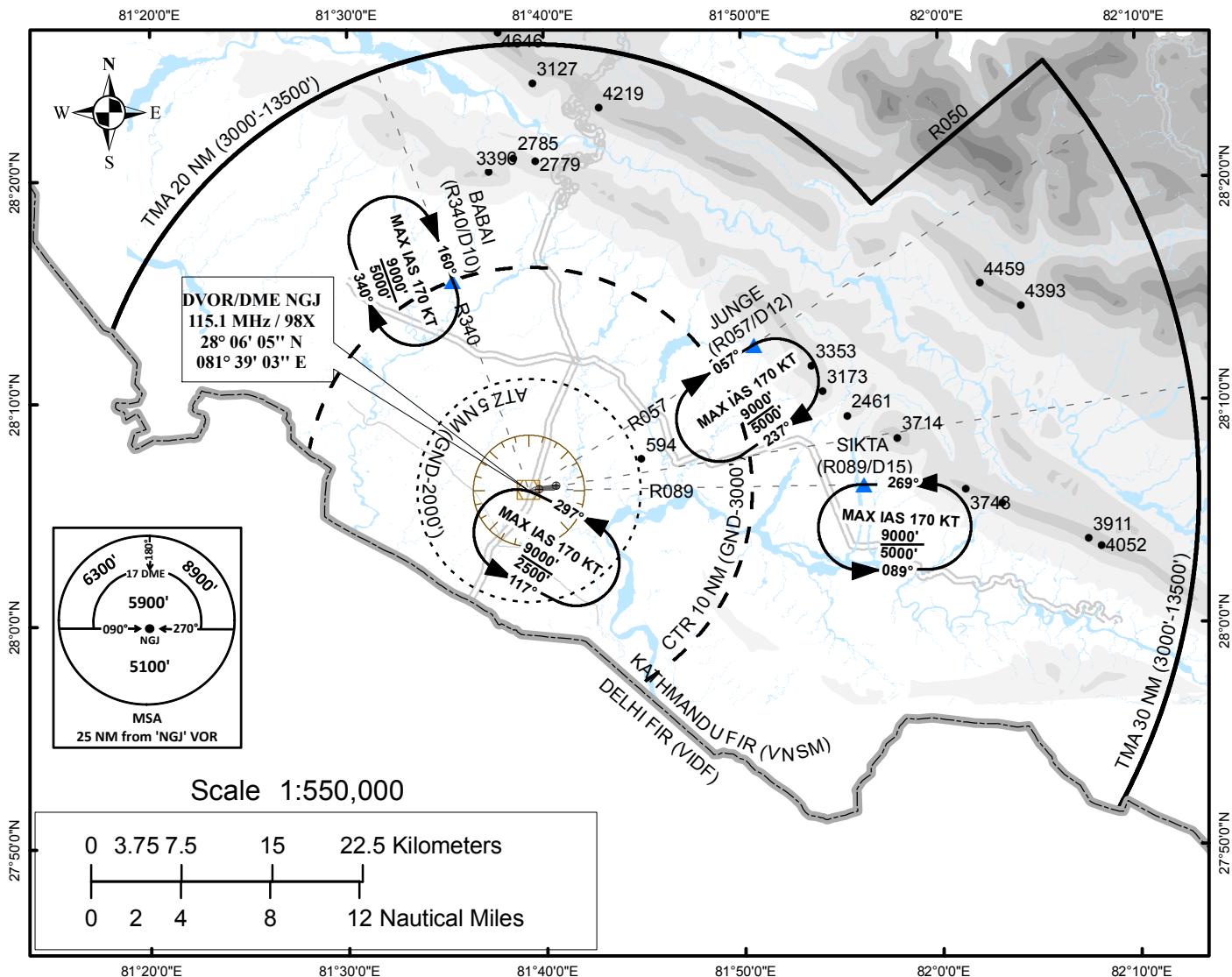
Applicable for VOR/DME y Rwy 26 approach and transitioning from one point to another.

## TULVI ARRIVAL

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

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

# 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> <u>3000 ft AMSL</u>