

AD 2. AERODROME

VNDH AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VNDH – Dhangadhi/Domestic

VNDH AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	ARP Coordinates and site at AD	284516 N* 0803459 E
2.	Direction and Distance from (city)	8 Km, North of Dhangadhi City
3.	Elevation/Reference Temperature	189m (621ft.) / 41.4°C
4.	MAG VAR/Annual Change	-
5.	AD Administration, address Telephone, Telefax, Telex AFS	Civil Aviation Authority of Nepal Dhangadhi Civil Aviation Office, Dhangadhi Te1-977- 091 – 575119 (Office), 977- 091 – 575219 (Tower) Fax -977- 091 - 575119 AFS - VNDHYDYX
6.	Types of traffic permitted (IFR/VFR)	IFR, VFR
7.	Remarks	-

VNDH 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	NIL
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

VNDH AD 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	Available with local Airlines Operator
2.	Fuel/Oil Types	Jet A1/Not Available
3.	Fuelling facilities/capacity	Storage Capacity (KL): Physical -45, Mobile-18 Storage Type: UG Tank (15×3) Refueller Details: AR31 (11KL), AR9 (7KL)
4.	De-icing facilities	NIL
5.	Hangar space for visiting aircraft	NIL
6.	Repair facilities for visiting aircraft	NIL
7.	Remarks	-

VNDH AD 2.5 PASSENGER FACILITIES

1.	Hotels	In the City Area (12 Km South)
2.	Restaurants	In the City Area
3.	Transportation	Taxi, Van and E-Rickshaw
4.	Medical Facilities	Hospitals in the City
5.	Bank and Post Office	ATM (Sanima Bank) at Airport
6.	Tourist Office	In the City
7.	Remarks	-

VNDH AD 2.6 RESCUE AND FIRE FIGHTING SERVICE

1.	AD category for fire fighting	Nil
2.	Rescue equipment	Available
3.	Capability for removal of disabled aircraft	Nil
4.	Remarks	Large Foam Tender, Small Fire Vehicle (Buffalo) and wheel type of fire extinguishers available.

VNDH AD 2.7 SEASONAL AVAILABILITY

Aerodrome available throughout the year

. VNDH 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

1.	Apron surface and strength	Asphalt Concrete and 21/F/A/Y/T
2.	Taxiway width, surface and strength	20m, Asphalt Concrete and 22/F/A/Y/T
3.	ACL location and elevation	-
4.	VOR/INS checkpoints	-
5.	Remarks	-

VNDH 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	Guide lines at Apron
2.	RWY and TWY markings and LGT	RWY: 09/27, THR, TDZ, Center line, RWY edge marked and RWY END, THR, RWY edge have lights. TWY: TWY/RWY marked and edge with blue light
3.	Stop bars	-
4.	Remarks	-

VNDH AD 2.10 AERODROME OBSTACLES

P. No.	Obs. ID	Latitude WGS84	Longitude WGS84	MSL Height	Remarks
1	DH001	28°45'8.848"N	80°35'4.098"E	210.574	NDB MAST
2	DH002	28°45'12.097"N	80°34'58.317"E	204.704	FLOODLIGHT
3	DH003	28°45'12.049"N	80°34'56.502"E	204.733	FLOODLIGHT
4	DH004	28°45'9.841"N	80°34'51.246"E	212.697	TREE
5	DH005	28°45'10.542"N	80°35'3.616"E	208.5	TREE
6	DH006	28°45'5.019"N	80°35'12.453"E	212.55	TREE
7	DH007	28°45'11.421"N	80°34'58.771"E	209.767	ATC TOP
8	DH008	28°44'44.144"N	80°34'31.755"E	218.985	TELECOMMUNICATIONS TOWER
9	DH009	28°45'13.168"N	80°35'36.449"E	208.815	TREE
10	DH010	28°45'15.184"N	80°35'37.231"E	202.282	TREE
11	DH011	28°45'13.866"N	80°35'43.463"E	204.261	TREE
12	DH012	28°45'14.916"N	80°35'39.706"E	210.647	TREE
13	DH013	28°45'23.783"N	80°35'33.245"E	195.276	HOUSE TOP
14	DH014	28°45'17.088"N	80°35'32.131"E	199.805	MET TOWER

15	DH015	28°45'23.785"N	80°36'3.789"E	207.464	TREE
16	DH016	28°45'29.364"N	80°35'59.032"E	216.912	TREE
17	DH017	28°45'32.071"N	80°35'59.047"E	216.516	TREE
18	DH018	28°45'36.260"N	80°35'48.006"E	218.449	TREE
19	DH019	28°45'47.389"N	80°36'14.100"E	214.579	TELECOMMUNICATIONS TOWER
20	DH020	28°45'47.023"N	80°36'14.724"E	212.663	TREE
21	DH021	28°45'27.839"N	80°36'34.773"E	219.133	TELECOMMUNICATIONS TOWER
22	DH022	28°45'5.616"N	80°34'26.788"E	208.983	TREE
23	DH023	28°45'8.611"N	80°34'26.199"E	203.888	TREE
24	DH024	28°45'11.016"N	80°34'22.668"E	214.172	TREE
25	DH025	28°45'12.602"N	80°34'25.726"E	198.773	TREE
26	DH026	28°45'12.333"N	80°34'25.035"E	203.224	TREE
27	DH027	28°45'11.354"N	80°34'21.455"E	212.605	TREE
28	DH028	28°45'14.936"N	80°34'19.691"E	207.459	TREE
29	DH029	28°45'14.830"N	80°34'17.658"E	208.735	TREE
30	DH030	28°45'8.119"N	80°34'22.735"E	208.638	TREE
31	DH031	28°45'25.842"N	80°33'53.163"E	217.087	TREE
32	DH032	28°48'38.902"N	80°33'7.597"E	277.756	TELECOMMUNICATIONS TOWER
33	DH033	28°48'23.693"N	80°33'9.923"E	224.469	TELECOMMUNICATIONS TOWER
34	DH034	28°48'18.619"N	80°33'8.960"E	229.609	TRANSMISSION TOWER
35	DH035	28°47'48.596"N	80°32'56.193"E	219.199	TELECOMMUNICATIONS TOWER
36	DH036	28°46'51.234"N	80°33'24.631"E	221.606	FACTORY CHIMNEY
37	DH037	28°46'4.603"N	80°33'28.052"E	221.719	TELECOMMUNICATIONS TOWER
38	DH038	28°45'51.063"N	80°33'28.183"E	221.999	FACTORY TOP
39	DH039	28°45'51.781"N	80°33'27.919"E	222.523	FACTORY TOP
40	DH040	28°45'53.037"N	80°33'26.949"E	225.827	TELECOMMUNICATIONS TOWER
41	DH041	28°45'1.916"N	80°33'49.337"E	215.922	FM TOWER
42	DH042	28°44'51.594"N	80°33'55.616"E	220.84	FACTORY TOP
43	DH043	28°44'53.086"N	80°33'57.980"E	217.533	FACTORY CHIMNEY
44	DH044	28°43'9.821"N	80°34'15.148"E	224.88	FM TOWER
45	DH045	28°43'9.140"N	80°34'6.876"E	214.313	BUILDING TOP
46	DH046	28°42'28.056"N	80°35'11.813"E	205.929	HOTEL DEVOTEE TOP
47	DH047	28°42'15.256"N	80°35'20.340"E	264.136	TELECOMMUNICATIONS TOWER
48	DH048	28°42'26.970"N	80°35'17.178"E	202.395	TELECOMMUNICATIONS TOWER
49	DH049	28°44'10.613"N	80°35'47.586"E	214.205	TELECOMMUNICATIONS TOWER
50	DH050	28°42'44.638"N	80°34'38.190"E	243.123	TELECOMMUNICATIONS TOWER
51	DH051	28°45'35.409"N	80°34'36.719"E	215.728	BRICK CHIMNEY
52	DH052	28°45'25.395"N	80°34'57.546"E	217.635	TREE

VNDH AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	-
2	Hours of service MET office outside hours	-
3	Office responsible for TAF preparation periods of validity	-
4	Type of landing forecast interval of issuance	-
5	Briefing/Consultation provided	-
6	Flight documentation languages used	-
7	Charts and other information available for briefing or consultation	-
8	Supplementary equipment available for providing information	-
9	ATS units provided with information	-
10	Additional information (limitation of service, etc.)	-

VNDH 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
09	089 ⁰	1800×30	24/F/B/Y/T Asphalt Concrete	284518.490 N* 0803427.129 E	188m
27	269 ⁰	1800×30	24/F/B/Y/T Asphalt Concrete	284519.553 N* 0803533.471 E	189m
7	8	9	10	11	12
.....

VNDH AD 2.13 DECLARED DISTANCES

RWY Designator	TORA m	TODA m	ASDA m	LDA m	Remarks
1	2	3	4	5	6
09	1800	1800	1800	1800	
27	1800	1800	1800	1800	

VNDH AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT color WBAR	VASI S	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	PAPI	5	6	7	8	9	10
09	NIL	Green	PAPI 3.00°	NIL	NIL	1800m, 60m White, LIM	Red	NIL	
27	Simple Approach Light System (SALS) 420m LIM	Green	PAPI 3.00°	NIL	NIL	1800m, 60m White, LIM	Red	NIL	-

VNDH AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN Location, characteristics and hours of operation	ABN: At above Aerodrome Control Tower, Green flashes alternating with white flashes, 28 flashes per minute normally after sunset.
2.	LDI Location and LGT Anemometer Location and LGT	-
3.	TWY edge and Centre line lighting	Edge : All TWY Centre Line :NIL
4.	Secondary power supply / switch over time	Stand-by Diesel Generator to all lighting and Uninterrupted Power Supply to Airfield Ground Lighting (AGL) System at AD with 30 minutes back up.
5.	Runway Threshold Identification Light (RTIL) Location and Characteristics	Location : RWY Threshold 09/27, Flashing white light with flash frequency 120 per minute.

VNDH AD 2.16 HELICOPTER LANDING AREA

Not specified

VNDH AD 2.17 ATS AIRSPACE

1. Designation and lateral limits	Dhangadhi CTR: An area bounded by 28°42'21"N; 080° 18'16"E then along an arc of a circle of 15 NM radius centered at Dhangadhi ARP to 28°49'09"N; 080°51'27"E to 28°46'32"N; 080°57'40"E then along an arc of a circle of 20 NM radius centered at Dhangadhi ARP to 28°36'24"N; 080°55'21"E to 28°38'34"N; 080°50'13"E then along an arc of a circle of 15 NM radius centered at Dhangadhi ARP to 28°33'56"N; 080°46'10"E and along Kathmandu FIR VNSM to 28°42'21"N; 080°18'16"E Dhangadhi ATZ: An area of a circle of 5NM radius centered at Dhangadhi ARP and to the south up to VNSM FIR.	
2. Vertical Limits	CTR	ATZ
	9500ft AMSL GND	2000ft AGL GND
3. Airspace classification	C	
4. ATS units call sign/languages	Dhangadhi TWR/English	
5. Transition Altitude	13500ft AMSL	
6. Remarks	-	

VNDH AD 2.18 ATS COMMUNILOCATION FACILITIES

Service Designation	Call Sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
TWR	Dhangadhi Tower	122.3MHZ	As ATS	

VNDH 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 0.9° E	DHI	116.3 MHz CHN 110X	H24	284520N 0803601.5E	200m	<p>DVOR/DME coverage classification as restricted due to mountainous terrain as following.</p> <p>a. DVOR/DME coverage signal is available on radials till:</p> <ul style="list-style-type: none"> - 32 nm. on R049 at altitude 12,000 ft. (MSL) - 35 nm. on R067 at altitude 13,000 ft. (MSL) - 59 nm. on R100 at altitude 16,000 ft. (MSL) - 40 nm. on R117 at altitude 7,000 ft. (MSL) - 17 nm. on R299 at altitude 2,500 ft. (MSL) - 35 nm. on R358 at altitude 15,000 ft. (MSL) <p>b. DVOR/DME coverage signal in orbit is available till:</p> <ul style="list-style-type: none"> - 30 nm. on R350 – R059 at altitude should not below 15,000 feet (MSL) - 40 nm. on R060 – R089 at altitude should not below 13,000 feet (MSL) - 40 nm. on R090 – R120 at altitude should not below 10,000 feet (MSL)

* WGS 84 Coordinates

VNDH AD 2.20 LOCAL TRAFFIC REGULATIONS
To be developed

VNDH AD 2.21 NOISE ABATEMENT PROCEDURES
NIL

VNDH AD 2.22 FLIGHT PROCEDURES

To be developed

VNDH AD 2.23 ADDITIONAL INFORMATION

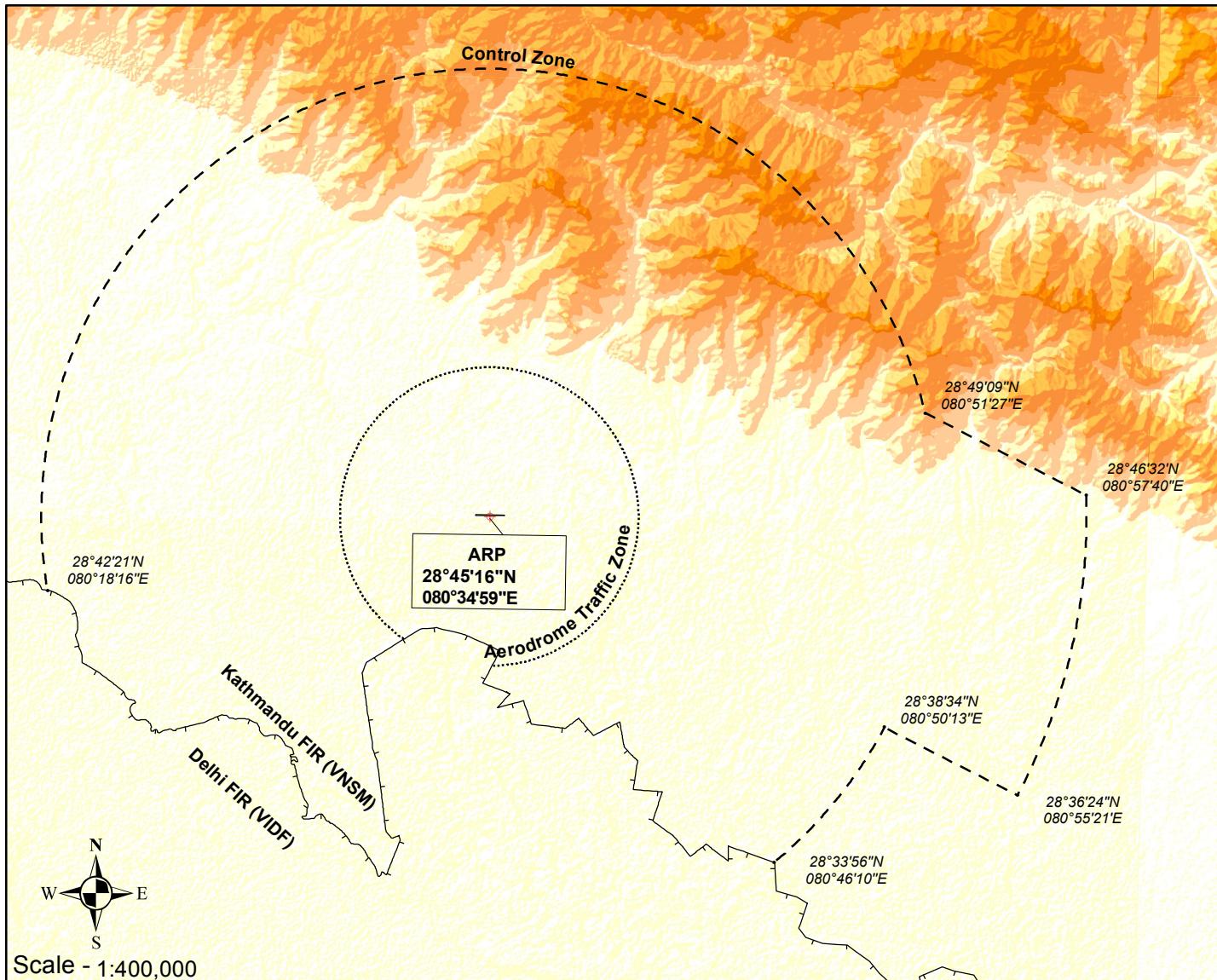
1. Bird Activity

- 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.

VNDH AD 2.24 CHARTS & PROCEDURES RELATED TO DHANGADHI AIRPORT

Control Zone and Aerodrome Traffic Zone	VNDH AD 2-12	
RNAV GNSS approach procedure at Dhangadhi Airport	VNDH AD 2-13	VNDH AD 2-16
Standart Departure Chart - Instrument (SID) - ICAO	VNDH AD 2-17	VNDH AD 2-18
Standart Arrival Chart - Instrument (STAR) - ICAO		VNDH AD 2-19
Instrument Approach Chart - ICAO		VNDH AD 2-20
Standart Departure Chart - Instrument (SID) - ICAO (SID RWY 09)	VNDH AD 2-21	to VNDH AD 2-22
Standart Arrival Chart - Instrument (STAR) - ICAO	VNDH AD 2-23	to VNDH AD 2-24
Instrument Approach Chart - ICAO (VOR RWY 09)		VNDH AD 2-25
Instrument Approach Chart - ICAO (VOR RWY 27)		VNDH AD 2-26

Control Zone (CTR) and Aerodrome Traffic Zone (ATZ) Dhangadhi Airport



AIRSPACE	IDENT	Lateral Limit	Vertical Limit
Aerodrome Traffic Zone	ATZ	An area of a circle of 5 NM radius centered at Dhangadhi ARP and to the South up to VNSM FIR.	2000 ft AGL GND
Control Zone	CTR	An area bounded by (28°42'21"N; 080°18'16"E) then along an arc of a circle of 15 NM radius centered at Dhangadhi ARP to (28°49'09"N; 080°51'27"E) to (28°46'32"N; 080°57'40"E) then along an arc of a circle of 20 NM radius centered at Dhangadhi ARP to (28°36'24"N; 080°55'21"E) to (28°38'34"N; 080°50'13"E) then along an arc of a circle of 15 NM radius centered at Dhangadhi ARP to (28°33'56"N; 080°46'10"E) and along Kathmandu FIR (VNSM) to (28°42'21"N; 080°18'16"E).	9500 ft AMSL GND

RNAV GNSS approach procedure at Dhangadhi Airport (VNDH)

1. INTRODUCTION

- 1.1 The following RNP Approach [RNAV (GNSS)] Procedure is designed for VNDH in accordance with the criteria as stipulated in the ICAO PANS-OPS (DOC 8168 Vol. II).
- 1.2 The RNAV (GNSS) Instrument Approach Procedure to VNDH is designed to enhance the safety and efficiency of the aircraft operations to materialize the National PBN Implementation Plan of Nepal.
- 1.3 This RNAV (GNSS) approach procedure along with two RNP 1 STARs and three SIDs have been designed with LNAV Specification only and utilizes GNSS as primary navigation system as stipulated in ICAO PBN Manual DOC 9613.
- 1.4 A full arrival, approach and missed approach trajectories along with associated holdings have been designed.

2. APPROVED USERS, EQUIPMENT AND OPERATIONS

- 2.1 For the RNAV (GNSS) Approach Procedure, the operators shall ensure that they hold the all necessary operational approvals from Civil Aviation Authority of Nepal (CAAN).
- 2.2 The aircraft shall be equipped with GNSS as specified in Nepalese Flight Operations Requirements (FOR) and governed by the AIC 001/2011 dated 01 August 2011 (ATS Requirements for PBN in Nepalese Airspace).
- 2.3 All necessary navigation system are to installed onboard so as to keep the track keeping accuracy while commencing RNP1, RNP Approach and associated Missed Approach.
- 2.4 Before commencing the procedure, pilot in command must ensure that the navigation database is current and the aircraft's capability of conducting the procedure like GNSS availability, system performance, etc.

3. NAMING OF PROCEDURES

There are two RNP1 STARs, three RNP1 SIDs and one RNP Approach (LNAV only) procedures to Dhangadhi Runway 27 and are named in accordance with the ICAO naming convention as tabulated below.

RWY	SIDs	STARs	APPROACH
27	SUKET 1A TULVI 1D CHAIT 1A	SUKET 1R TULVI 1C	RNP RWY 27 (LNAV Only)

4. RNP CAPABILITY LOST

If the RNP Approach capability is lost, ATC shall be informed as soon as possible the alternate course of action from the pilots of the concerned aircraft.

5. List of Significant points:

Waypoint Identifier	Coordinates	
TULVI	28°06'42.0"N	082°17'30.0"E
SUKET	28°35'16.0"N	081°38'06.0"E
GOTHI	28°27'11.5"N	081°27'22.0"E
AMKHA (IAF)	28°42'18.6"N	080°54'01.6"E
DH963 (IF)	28°45'29.9"N	080°46'56.0"E
DH962 (FAF)	28°45'24.9"N	080°41'14.7"E
MAPt (RW27)	28°45'19.5"N	080°35'33.5"E
DANGA (MAHF)	28°47'03.5"N	080°24'21.0"E
CHAIT	28°48'18.9"N	080°34'27.1"E

6. Coding Table: SUKET 1R Arrival

Serial No.	Path Descriptor	Waypoint Identifier	Flyover	Course/Track (*M*T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kts)	VPA/TCH	Navigation Specification
001	IF	SUKET	-	-	-	-	-	+16000	-	-	RNP-1
002	TF	AMKHA (IAF)	-	280°	-	39.4	-	+6500	-180	-	RNP-1

7. Coding Table: TULVI 1C Arrival

Serial No.	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track (°M/T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kts)	VPA/TCH	Navigation Specification
001	IF	TULVI	-	-	-	-	-	+10500	-	-	RNP-1
002	TF	GOTHI	-	295°	-	48.7	-	+8500	-	-	RNP-1
003	TF	AMKHA (IAF)	-	297°	-	33.0	-	+6500	-180	-	RNP-1

8. Coding Table: RNP RWY 27 (LNAV Only)

Serial No.	Path Descriptor	Waypoint Identifier	Fly-over	Course/Track (°M/T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kts)	VPA/TCH	Navigation Specification
001	IF	AMKHA (IAF)	-	-	-	-	-	+6500	-	-	RNP APCH
002	TF	DH963 (IF)	-	297°	-	7.0	L	@3900	-180	-	RNP APCH
003	TF	DH962 (FAF)	-	269°	-	5.0	-	@2300	-	-	RNP APCH
004	TF	RW27 (MAPt)	Y	269°	-	5.0	R	@671	-	3.03/50	RNP APCH
005	DF	DANGA	-	-	-	-	-	+4000	-180	-	RNP APCH
	HM	DANGA (MAHF)	-	100°	-	-	L	+4000	-180	-	RNP1

9. Coding Table: RNP1 SID SUKET 1A RWY 27

Serial No.	Path Descriptor	Waypoint Identifier	Flyover	Course/Track (°M/T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA/TCH	Navigation Specification
001	CA	-	-	269°	-	-	R	@3500	-	-	RNP-1
002	DF	CHAIT	-	-	-	-	R	+6500	-180	-	RNP-1
003	TF	AMKHA	-	109°	-	18.2	L	-	-	-	RNP-1
004	TF	SUKET	-	100°	-	39.4	-	+FL160	-	-	RNP-1

10. Coding Table: RNP1 SID TULVI 1D RWY 27

Serial No.	Path Descriptor	Waypoint Identifier	Flyover	Course/Track (°M/T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA/TCH	Navigation Specification
001	CA	-	-	269°	-	-	R	@3500	-	-	RNP-1
002	DF	CHAIT	-	-	-	-	R	+6500	-180	-	RNP-1
003	TF	AMKHA	-	109°	-	18.2	-	-	-	-	RNP-1
004	TF	GOTHI	-	117°	-	33.0	-	+8500	-	-	RNP-1
005	TF	TULVI	-	115°	-	48.7	-	+10500	-	-	RNP-1

11. Coding Table: RNP1 SID CHAIT 1A RWY 27

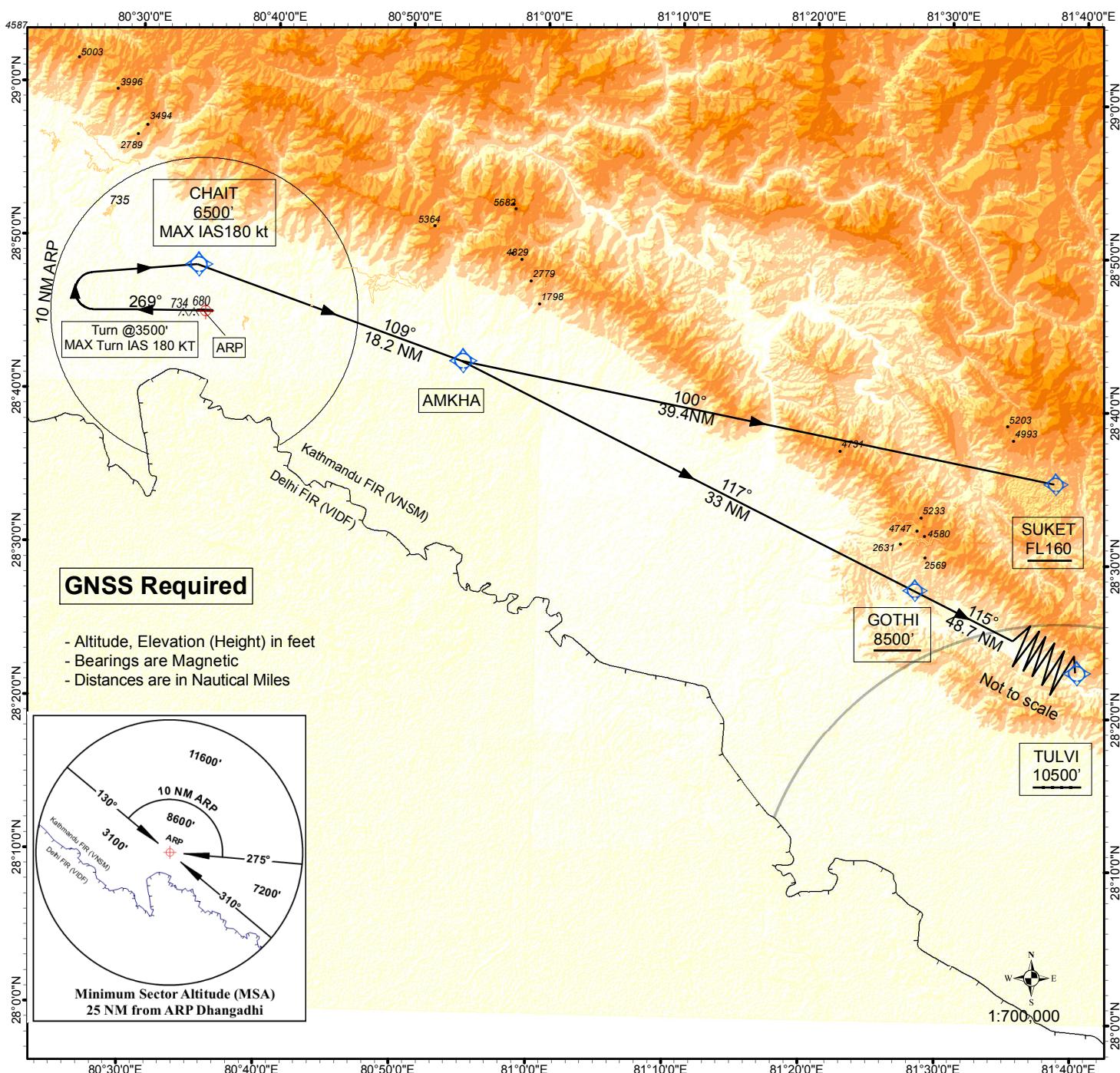
<i>Serial No.</i>	<i>Path Descriptor</i>	<i>Waypoint Identifier</i>	<i>Flyover</i>	<i>Course/Track (*M*T)</i>	<i>Magnetic Variation</i>	<i>Distance (NM)</i>	<i>Turn Direction</i>	<i>Altitude (ft)</i>	<i>Speed (kt)</i>	<i>VPA/TCH</i>	<i>Navigation Specification</i>
001	CA	-	-	269°	-	-	R	@3500	-180	-	RNP-1
002	DF	CHAIT	-	-	-	-	R	+6500	-	-	RNP-1

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

**AERODROME ELEV 621'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°W (2010)**

TWR 122.3

**DHANGADHI, NEPAL
Dhangadhi Airport
RNP1 SID RWY 27
SUKET 1A, TULVI 1D**



Minimum Visibility Required - 1600 m

SID SUKET 1A RWY 27 (PDG 7.0%)

Maximum turn IAS 180 KTS

Climb on runway axis. At 3500 ft AMSL, turn right direct to CHAIT at or above 6500 ft. Then track 109° to AMKHA. Then track 100° to SUKET at or above FL 160.

SID TULVI 1D RWY 27 (PDG 7.0%)

Maximum turn IAS 180 KTS

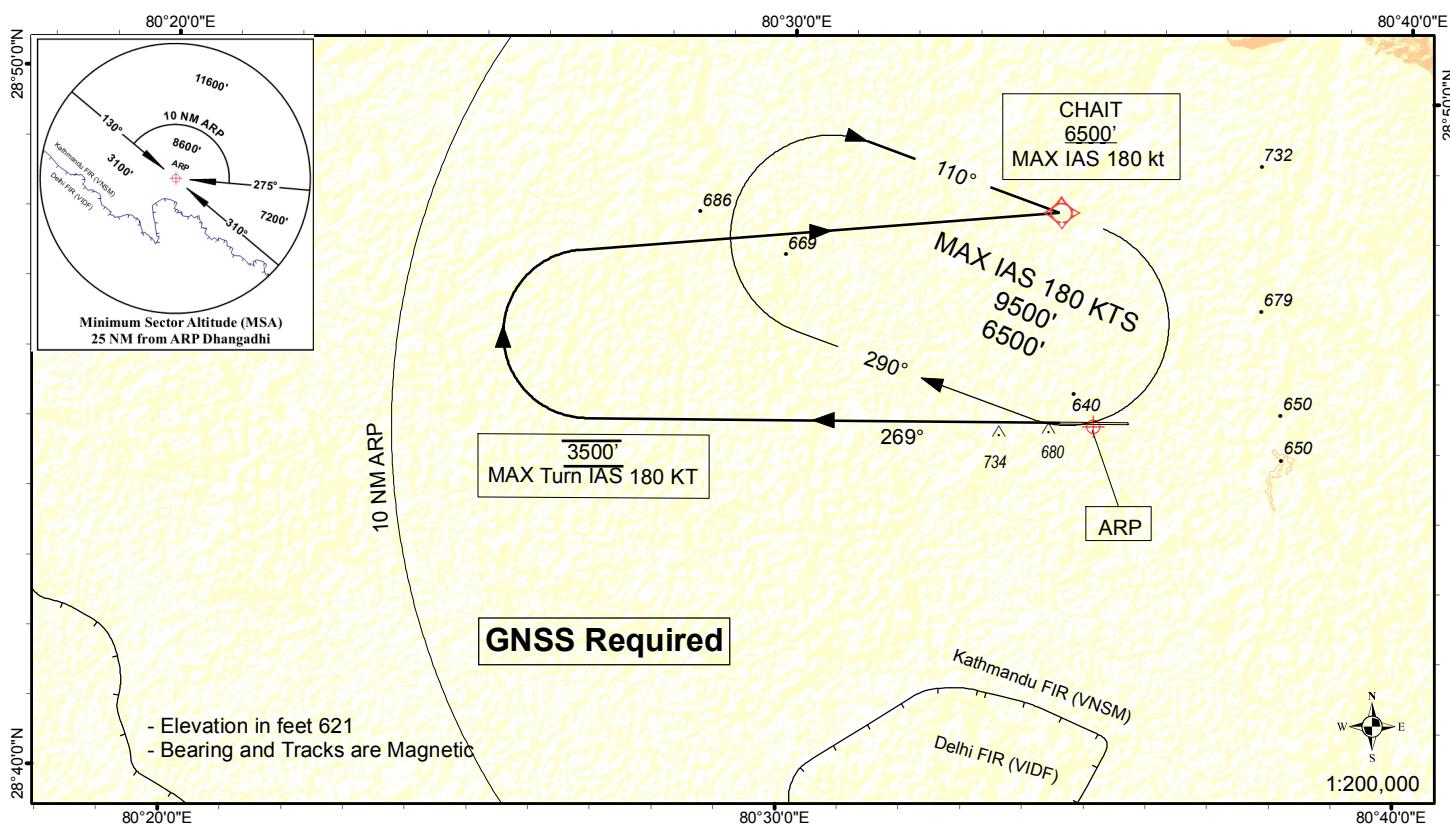
Climb on runway axis. At 3500 ft AMSL, turn right direct to CHAIT at or above 6500 ft. Then track 109° to AMKHA. Then track 117° to GOTHI at or above 8500 ft. Then track 115° to TULVI at or above 10500 ft.

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

**AERODROME ELEV 621'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°W (2010)**

TWR 122.3

**DHANGADHI, NEPAL
Dhangadhi Airport
RNP1 SID RWY 27
CHAIT 1A**



SID CHAIT 1A RWY 27 (PDG 7.0%)

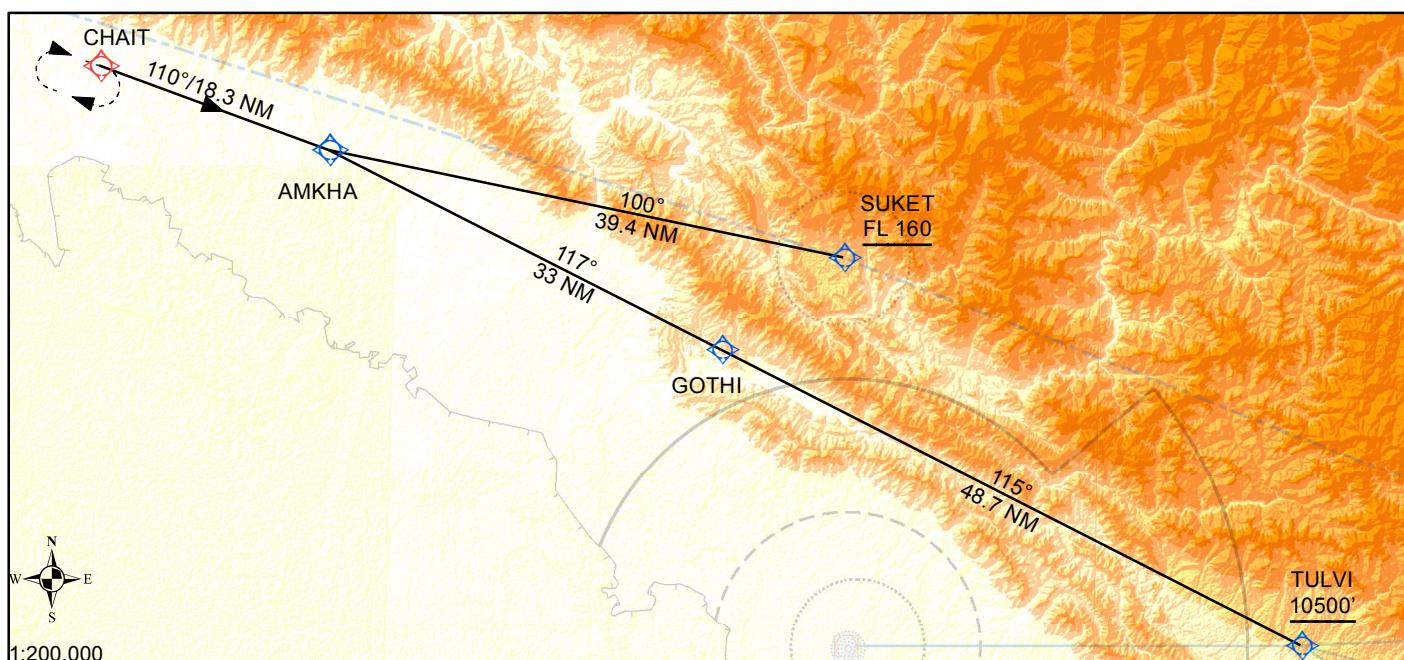
Maximum turn IAS 180 KTS

Climb on runway axis. At 3500 ft AMSL, turn right direct to CHAIT H.P. at or above 6500 ft. Then follow ATC Instruction.

Transition to Routes:

To L626	From CHAIT track direct to AMKHA then SUKET at or above FL 160.
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To W17	From CHAIT track direct to AMKHA then TULVI at or above 10500 ft via GOTHI.
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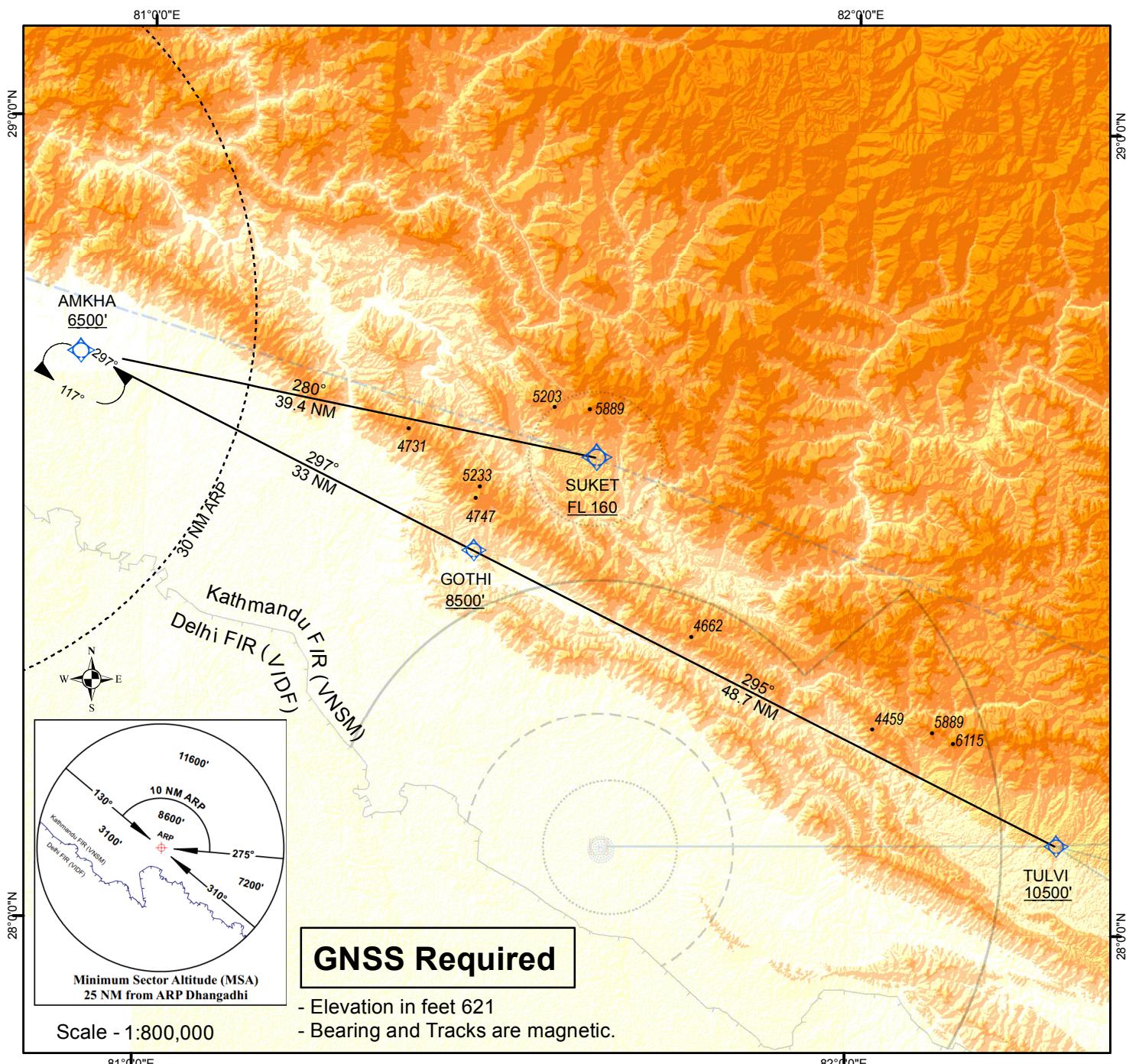


**STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO**

**AERODROME ELEV 621'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°E**

TWR 122.3

**DHANGADHI, NEPAL
Dhangadhi Airport
RNP 1 STAR
SUKET 1R, TULVI 1C**



SUKET 1R ARRIVAL

From SUKET track 280° to AMKHA at or above 6500 ft.

TULVI 1C ARRIVAL

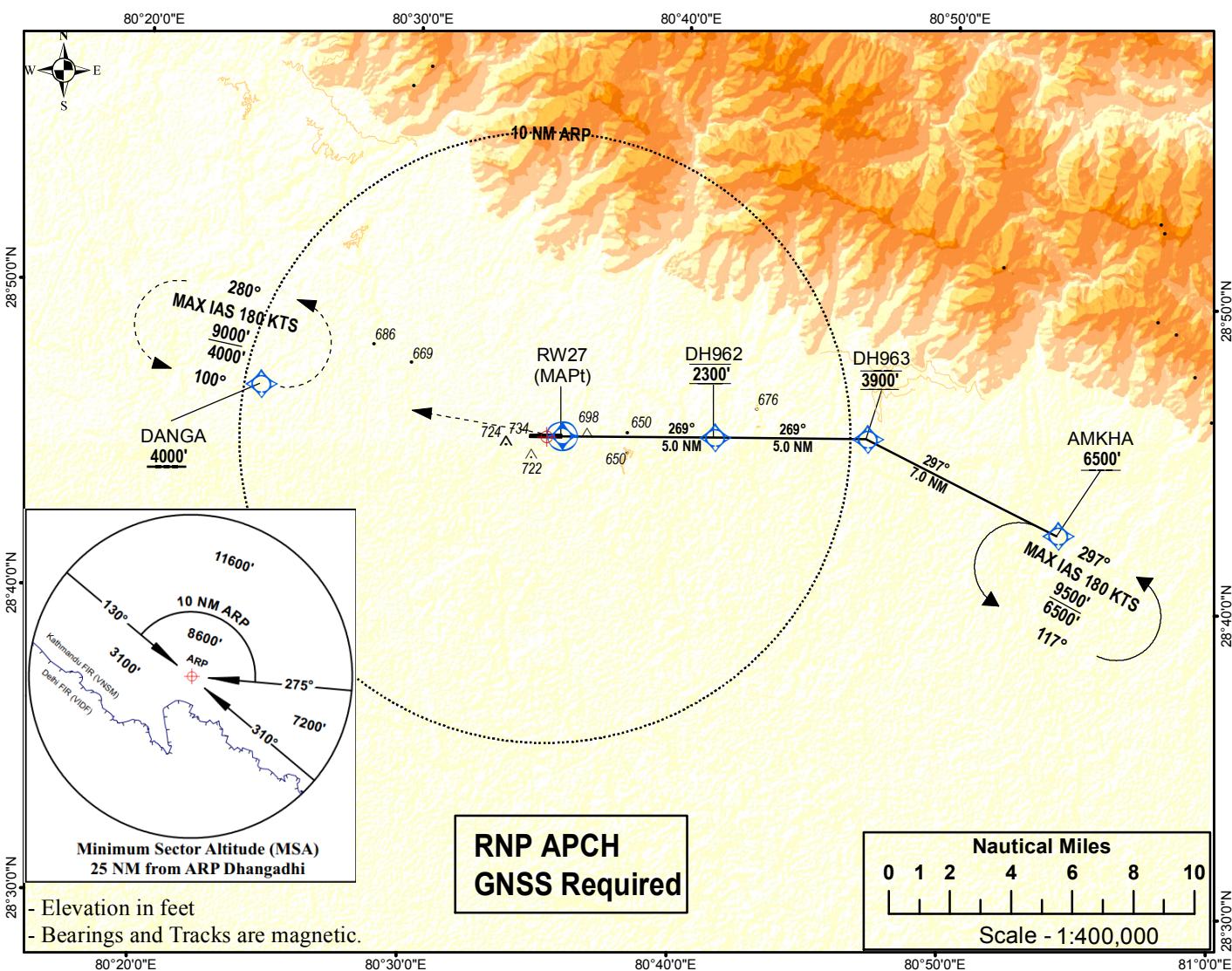
From TULVI track 295° to GOTHI at or above 8500 ft. Then track 297° to AMKHA at or above 6500 ft.

INSTRUMENT APPROACH CHART - ICAO

**AERODROME ELEV 621'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°E**

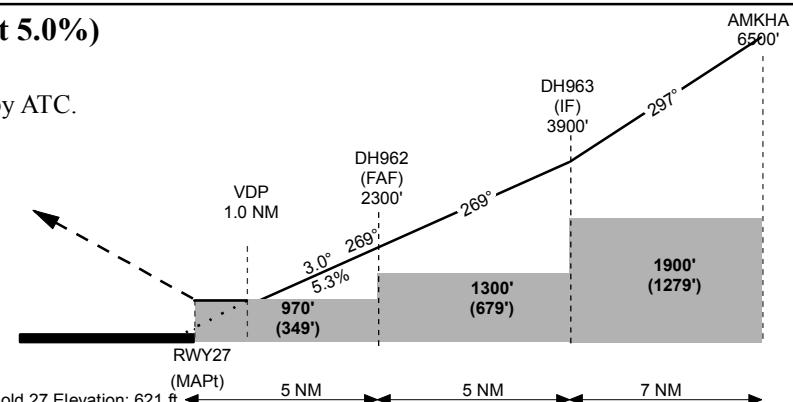
TWR 122.3

DHANGADHI, NEPAL
Dhangadhi Airport
RNP RWY 27 (LNAV Only)



MISSED APPROACH: (Climb Gradient 5.0%)

At MAPt, turn right direct to DANGA H.P.
Reach DANGA at or above 4000' or as instructed by ATC



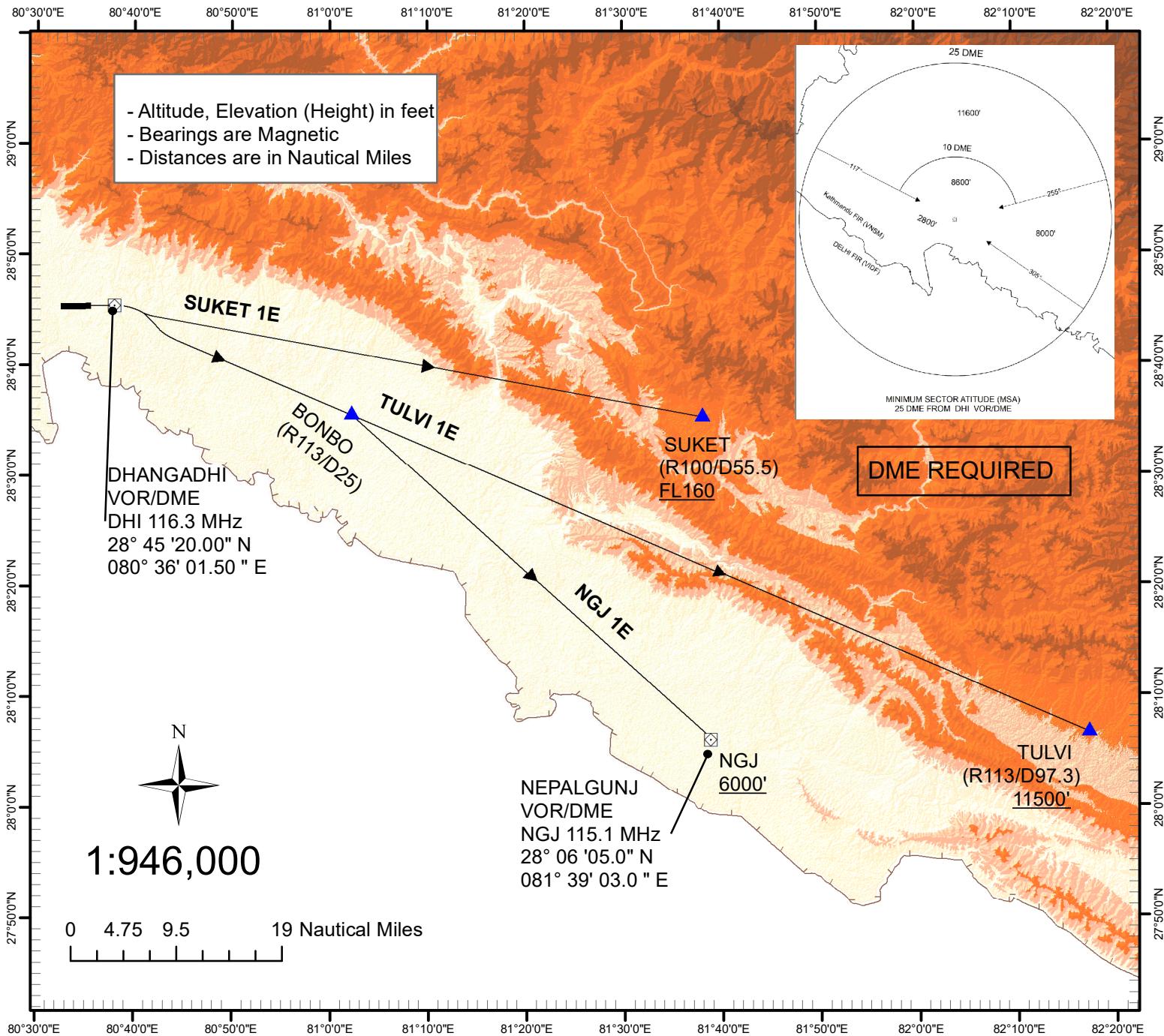
Note: In case of no Approach Lighting System visibility required 2100m

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

**AERODROME ELEV 621'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°E**

TWR 122.3

**DHANGADHI, NEPAL
Dhangadhi Airport
SID RWY 09
SUKET 1E, TULVI 1E, NGJ 1E**



SUKET 1E RWY 09 (PDG 4.8% UPTO 14000ft then 3.3 %):

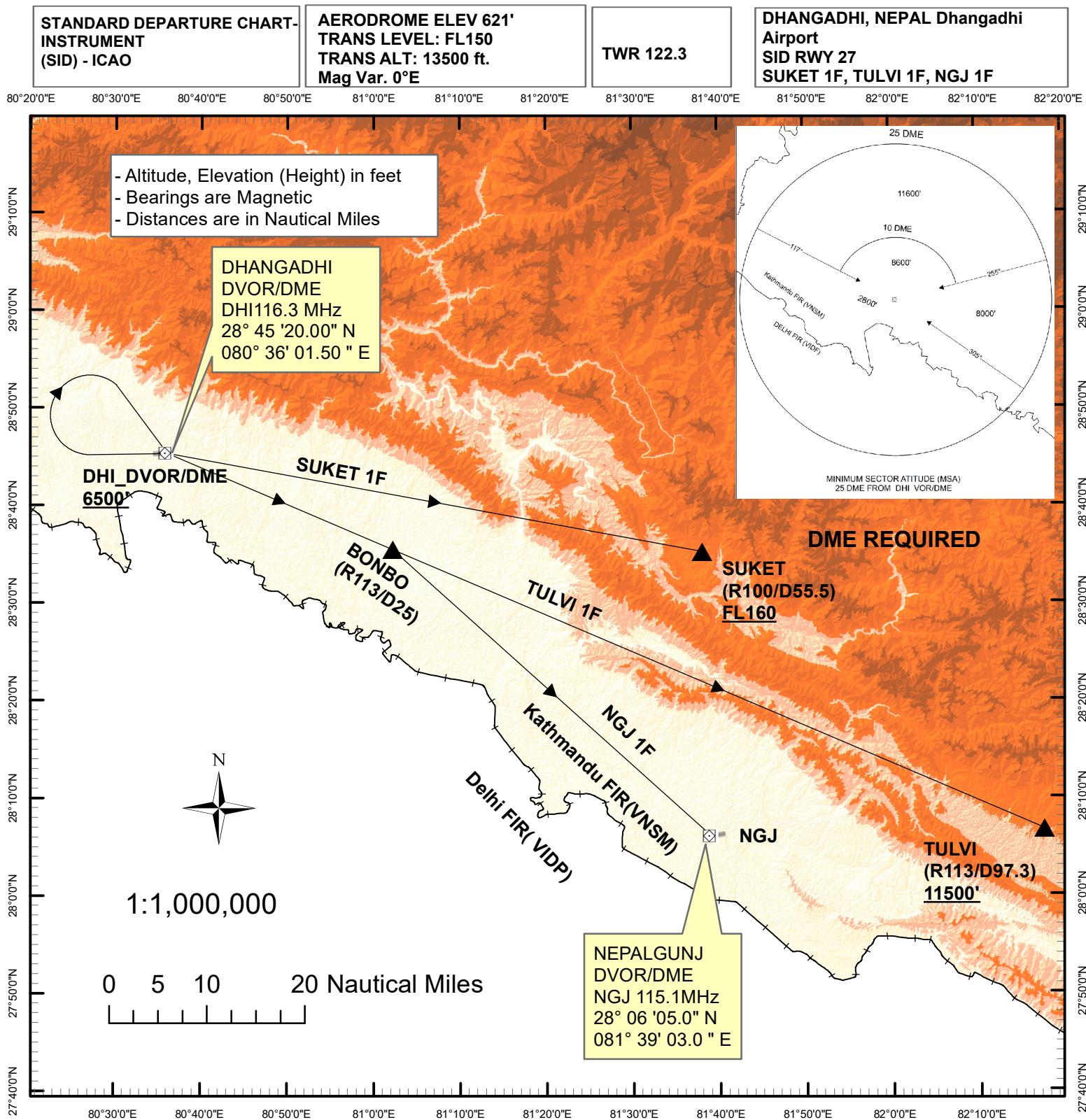
Climb on runway heading at 1100 ft AMSL, turn right to intercept R100 then proceed via R100 DHI to SUKET at or above FL 160.

TULVI 1E RWY 09 (PDG 3.3%):

Climb on runway heading at 1100 ft turn right to intercept R113 DHI to BONBO then to TULVI (R113/D97.3) at or above 11500ft.

NGJ 1E RWY 09 (PDG 3.3%):

Climb on runway heading at 1100 ft AMSL, turn right to intercept R113 DHI to BONBO then to NGJ on R312 NGJ at or above 6000ft



NGJ 1F (Climb Gradient 3.3 %):

Climb straight ahead at 2000ft then turn right to DHI VOR/DME at or above 6500ft then intercept R113 to BONBO then transition to NGJ Via R 312NGJ join route 41.

TULVI 1F (Climb Gradient 3.3 %):

Climb straight ahead at 2000ft then turn right to DHI VOR/DME at or above 6500ft then intercept R113 to BONBO then transition to TULVI Via R 113 DHI at or above 11500ft.

SUKET 1F (Climb Gradient 3.3 %):

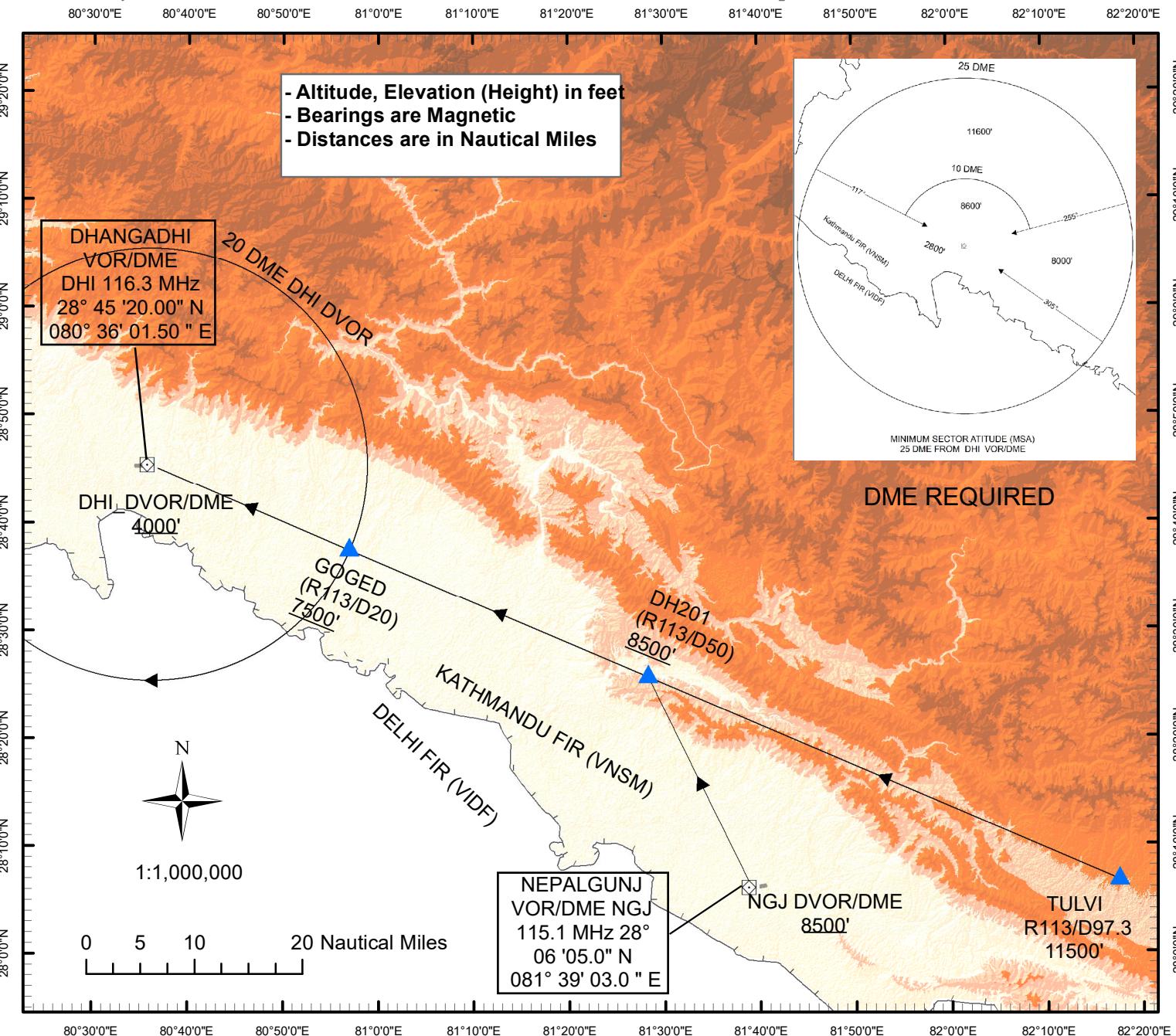
Climb straight ahead at 2000ft then turn right to DHI VOR/DME at or above 6500ft then intercept R100 to proceed to SUKET at or above FL160.

STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

AERODROME ELEV 621'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft. Mag
Var. 0°E

TWR 122.3

DHANGADHI, NEPAL
Dhangadhi Airport (VNDH)
TULVI 1A, TULVI 1B
NGJ 1A, NGJ 1B



TULVI 1A :

From TULVI track on R113 DHI to DH201 (R113/D50) at or above 8500 ft. then track on R113 DHI to GOGED(R113/D20) at or above 7500 ft.

TULVI 1B:

From TULVI track on R113 DHI to DH201 (R113/D50) at or above 8500 ft. then to GOGED(R113/D20_DHI) at or above 7500 ft then to DHI at or above 4000ft.

NGJ 1A :

From NGJ track on R334 NGJ to DH201 (R113/D50) at or above 8500 ft. then to GOGED (R113/D20_DHI) at or above 7500 ft then to DHI at or above 4000ft.

NGJ 1B :

From NGJ track on R334 NGJ to DH201 (R113/D50) at or above 8500 ft. then to GOGED (R113/D20_DHI) at or above 7500 ft then to DHI at or above 4000ft.

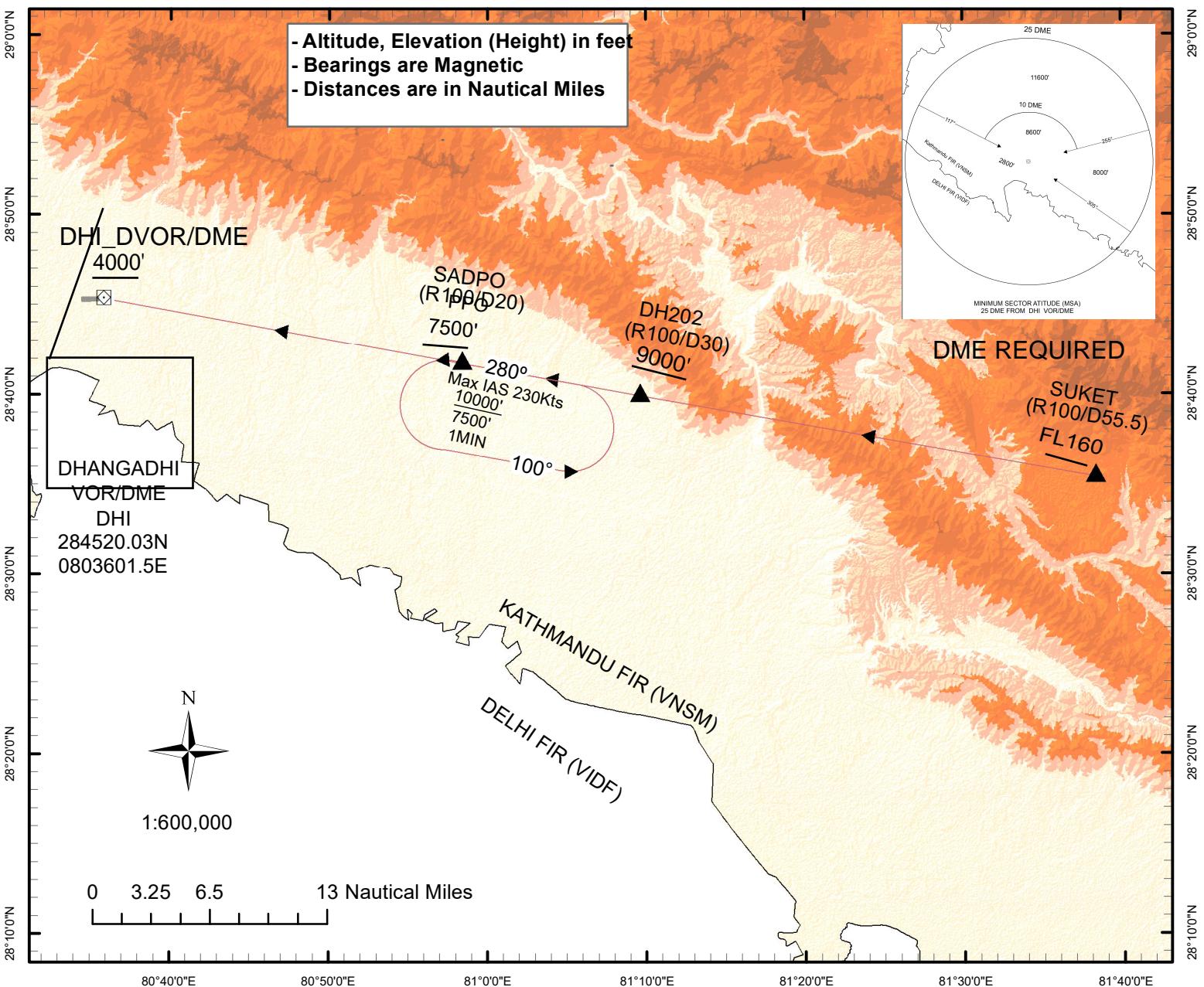
STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

AERODROME ELEV 621'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°E

TWR 122.3

DHANGADHI, Dhangadhi
Airport (VNDH)
SUKET 1C, SUKET 1D

80°40'0"E 80°50'0"E 81°0'0"E 81°10'0"E 81°20'0"E 81°30'0"E 81°40'0"E



SUKEt 1C: From SUKEt track on R100 DHI inbound to DH202 (R100 DHI/D30) at or above 9000 ft.then to SADPO (R100 DHI/D20)at or above 7500 ft.

SUKEt 1D: From SUKEt track on R100 DHI inbound to DH202 (R100 DHI/D30) at or above 9000 ft.then to SADPO (R100 DHI/D20)at or above 7500 ft then track on R100 inbound to DHI at or above 4000ft.

INSTRUMENT
APPROACH CHART
- ICAO

AERODROME ELEV 621' TRANS
LEVEL: FL150 TRANS ALT:
13500 ft. Mag Var. 0° E

TWR 122.3

DHANGADHI Dhangadhi
Airport (VNDH)
VOR RWY 09

80°25'0"E

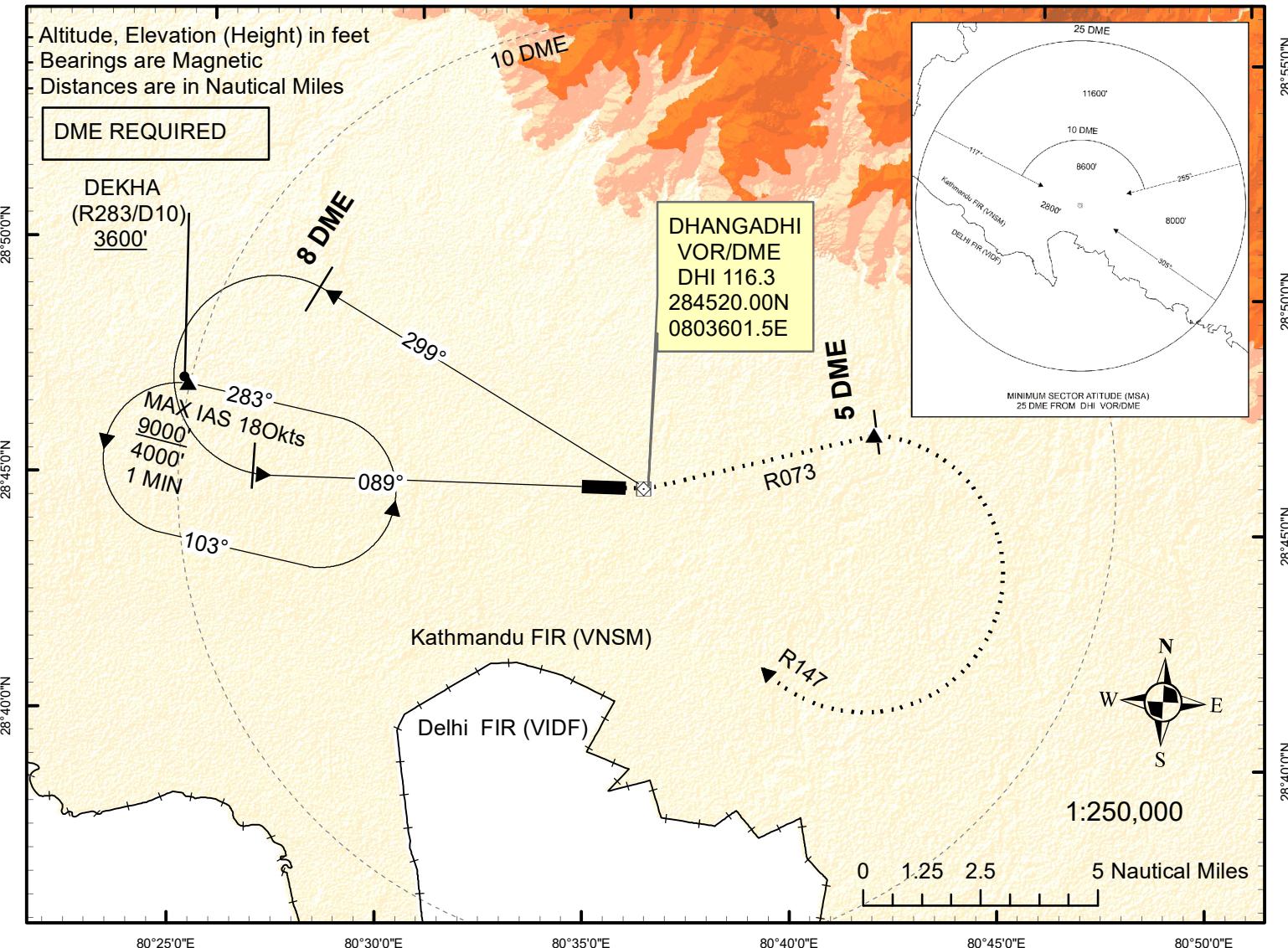
80°30'0"E

80°35'0"E

80°40'0"E

80°45'0"E

80°50'0"E



80°25'0"E

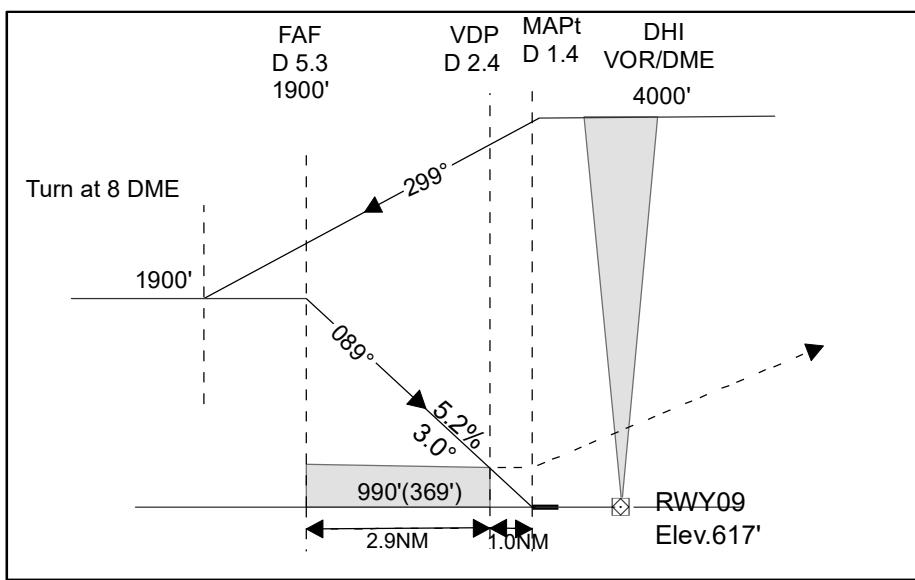
80°30'0"E

80°35'0"E

80°40'0"E

80°45'0"E

80°50'0"E



VOR RWY 09	CAT-A		CAT-B		CAT-C	
	OCA (OCH)	Visibility	OCA (OCH)	Visibility	OCA (OCH)	Visibility
Straight-in	990' (369')	1800m	990' (369')	1800m	990' (369')	1800m
Circling	1040' (419')	2200m	1120' (499')	2300m	1220' (599')	2800m
NOT AUTHORIZED AT NIGHT						

• Circling Approach only from North of the airfield

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV 621'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°W(2010)

TWR 122.3

Dhangadi Airport (VNDH)
VOR RWY 27

80°25'0"E

80°30'0"E

80°35'0"E

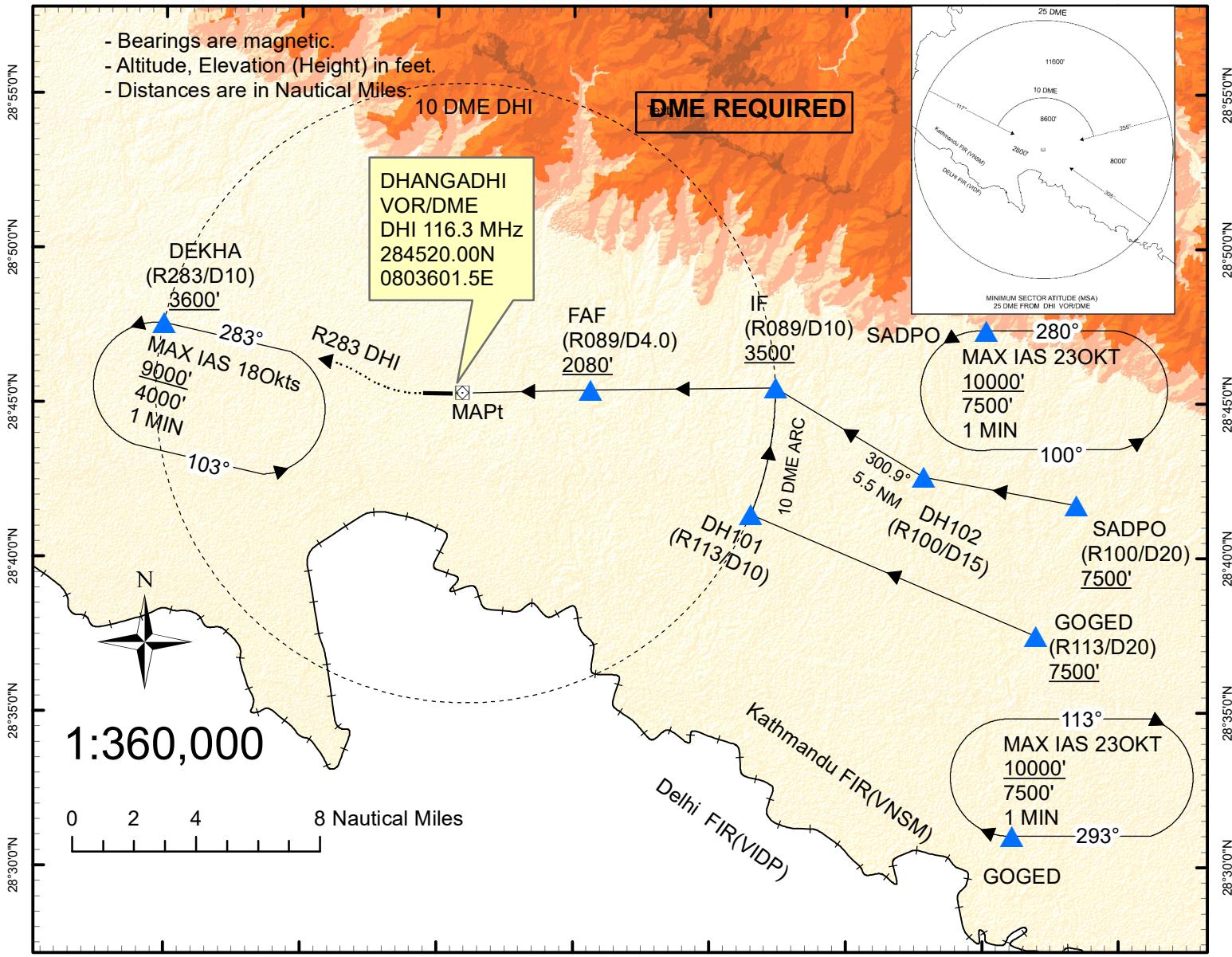
80°40'0"E

80°45'0"E

80°50'0"E

80°55'0"E

81°0'0"E



80°25'0"E

80°30'0"E

80°35'0"E

80°40'0"E

80°45'0"E

80°50'0"E

80°55'0"E

81°0'0"E

MAPt
VOR/DME
DHI

FAF (R089/D4.0) 2080'

SDF (R089/D8.0) 2870'

IF R089/D10 3500'

VDP

D.1.1

970'

(349')

1900'
(1279')

2500'

1879')

4.4 NM

4.0 NM

2.0 NM

Missed Approach : (Climb Gradient 5 %.)
Climb Straight ahead at 1100 ft. turn right to intercept R283 DHI to proceed
DEKHA (R283/10DME) at or above 3600ft. Climb to 4000ft and hold
over DEKHA.

FAF TO MAPt: 4.0 NM

Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20
Ft./min@5.2%	316	474	632	780	948

VOR RWY 27	CAT-A		CAT-B		CAT-C	
	OCA (OCH)	Visibility	OCA (OCH)	Visibility	OCA (OCH)	Visibility
Straight-in	970' (349')	1700m	970' (349')	1700m	970' (349')	1700m
Circling	1040' (419')	2000m	1120' (499')	2300m	1220' (599')	2800m
NOT AUTHORIZED AT NIGHT						

- Circling Approach only from North of the airfield
- In case of no Approach Lighting System visibility increased by 400m