

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	12 Km, North of Dhangadhi City
3.	Elevation/Reference Temperature	189m (621ft.) / 41.4 ⁰ 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 - 16:00 LT (WINTER) FRI 10:00 - 15:00 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 30 Jan - 01 Nov (0415 - 1115) UTC** 2) From 02 Nov - 29 Jan (0415 - 1015) 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

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

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.

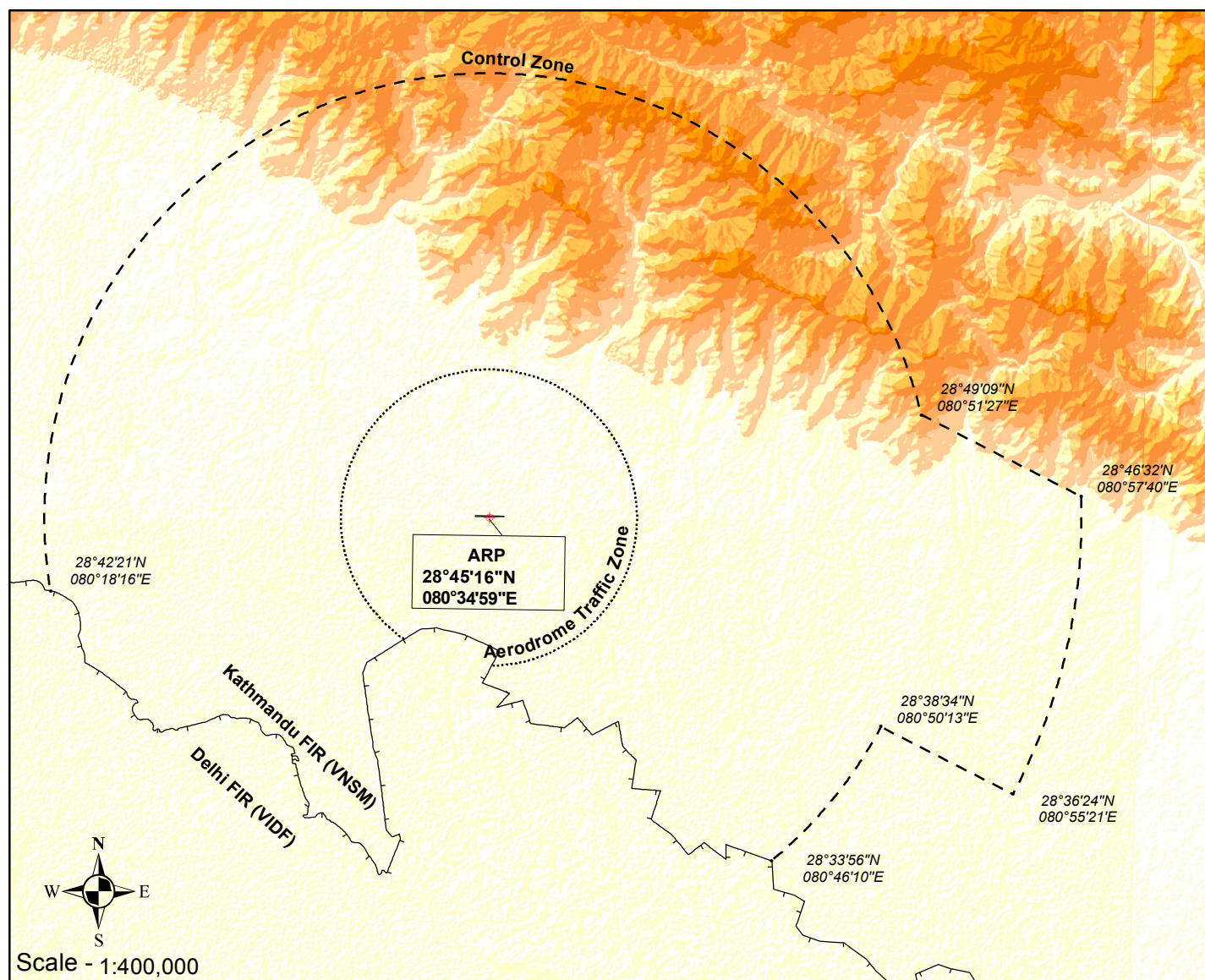
VNDH AD 2.16 HELICOPTER LANDING AREA

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/language	Dhangadhi TWR/English	
5. Transition Altitude	13500ft AMSL	
6. Remarks	-	

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.	<u>2000 ft AGL</u> 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).	<u>9500 ft AMSL</u> GND

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 TULSI 1D CHAIT 1A	SUKET 1R TULSI 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	
TULSI	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: TULSI 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	TULSI	-	-	-	-	-	+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 TULSI 1D RWY 27

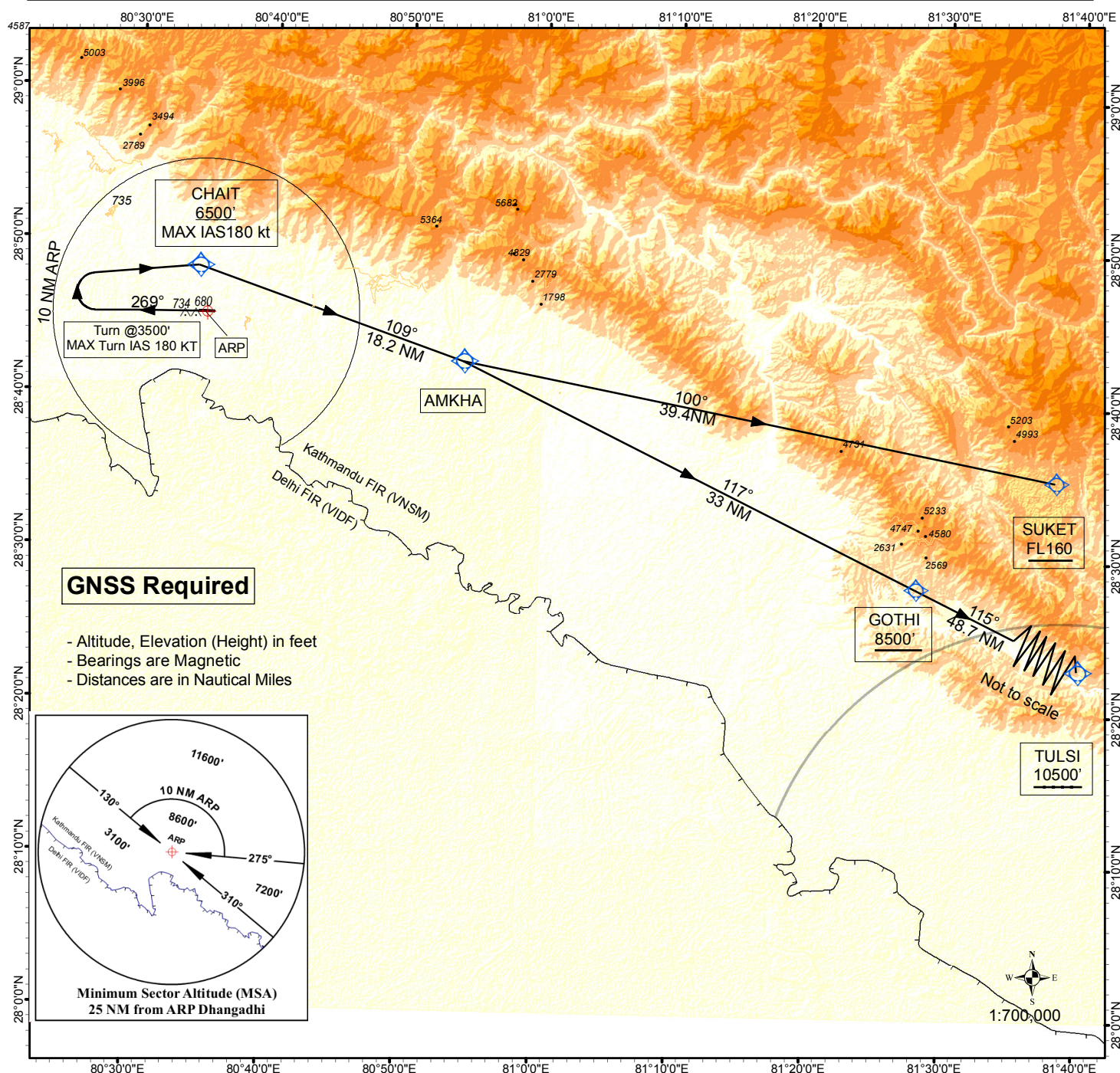
Serial No.	Path Descriptor	Waypoint Identifier	Flyover	Course/Track (°M/°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kt)	VPA/TCH	Navigation Specification
001	CA	-	-	269°	-	-	R	@3500	-	-	RNP-1
002	DF	CHAIT	-	-	-	-	R	+6500	-180	-	RNP-1
003	TF	AMKHA	-	109°	-	18.2	-	-	-	-	RNP-1
004	TF	GOTHI	-	117°	-	33.0	-	+8500	-	-	RNP-1
005	TF	TULSI	-	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) - ICAOAERODROME 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, TULSI 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 TULSI 1D RWY 27 (PDG 7.0%)*Maximum turn IAS 180 KTS*

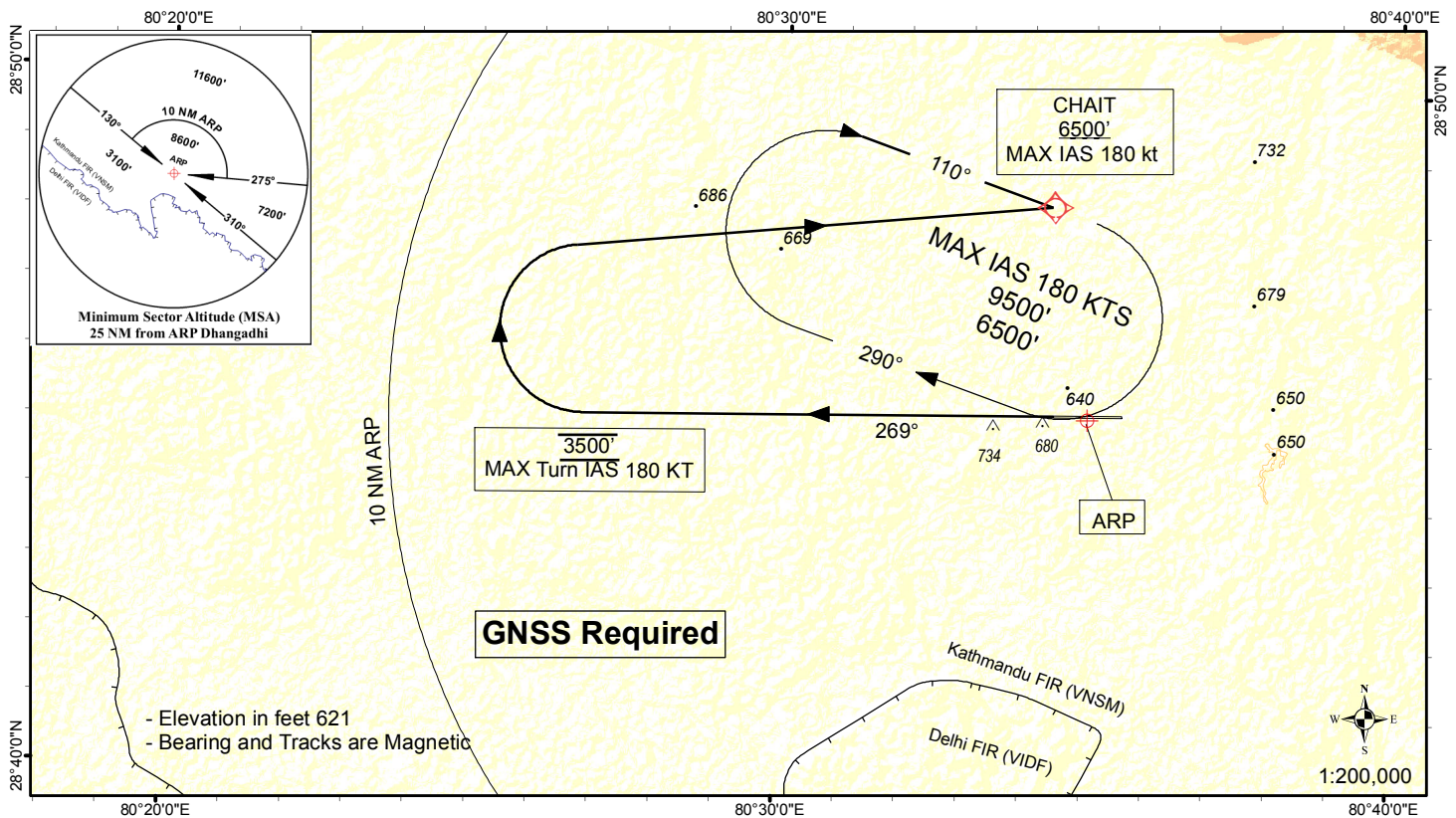
Climb on runway axis. At 3500 ft AMSL, turn right direct to CHAIT at or above 6500 ft. Then track 109° to AMKHA. Then track 117° to GOTH at or above 8500 ft. Then track 115° to TULSI at or above 10500 ft.

**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**



Minimum Visibility Required - 1600 m

SID CHAIT 1A RWY 27 (PDG 7.0%)

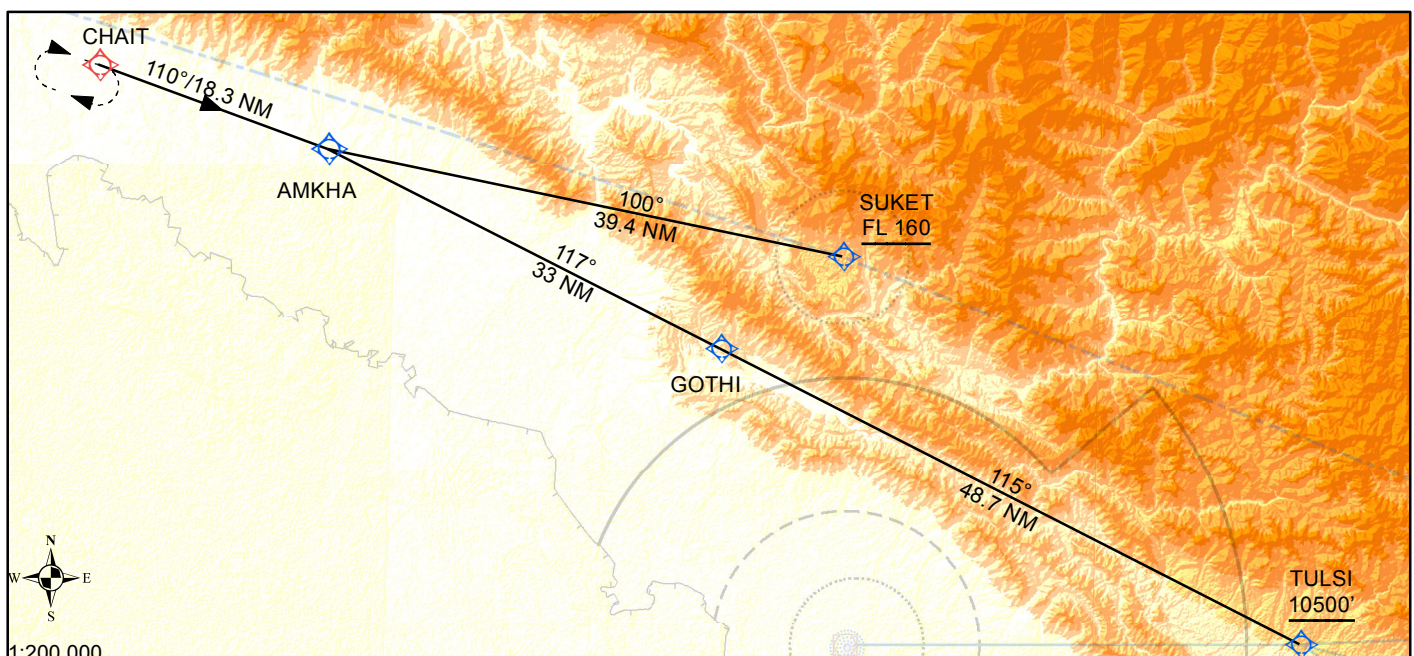
Maximum turn IAS 180 KTS

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.

To W17 From CHAIT track direct to AMKHA then TULSI at or above 10500 ft via GOTH.

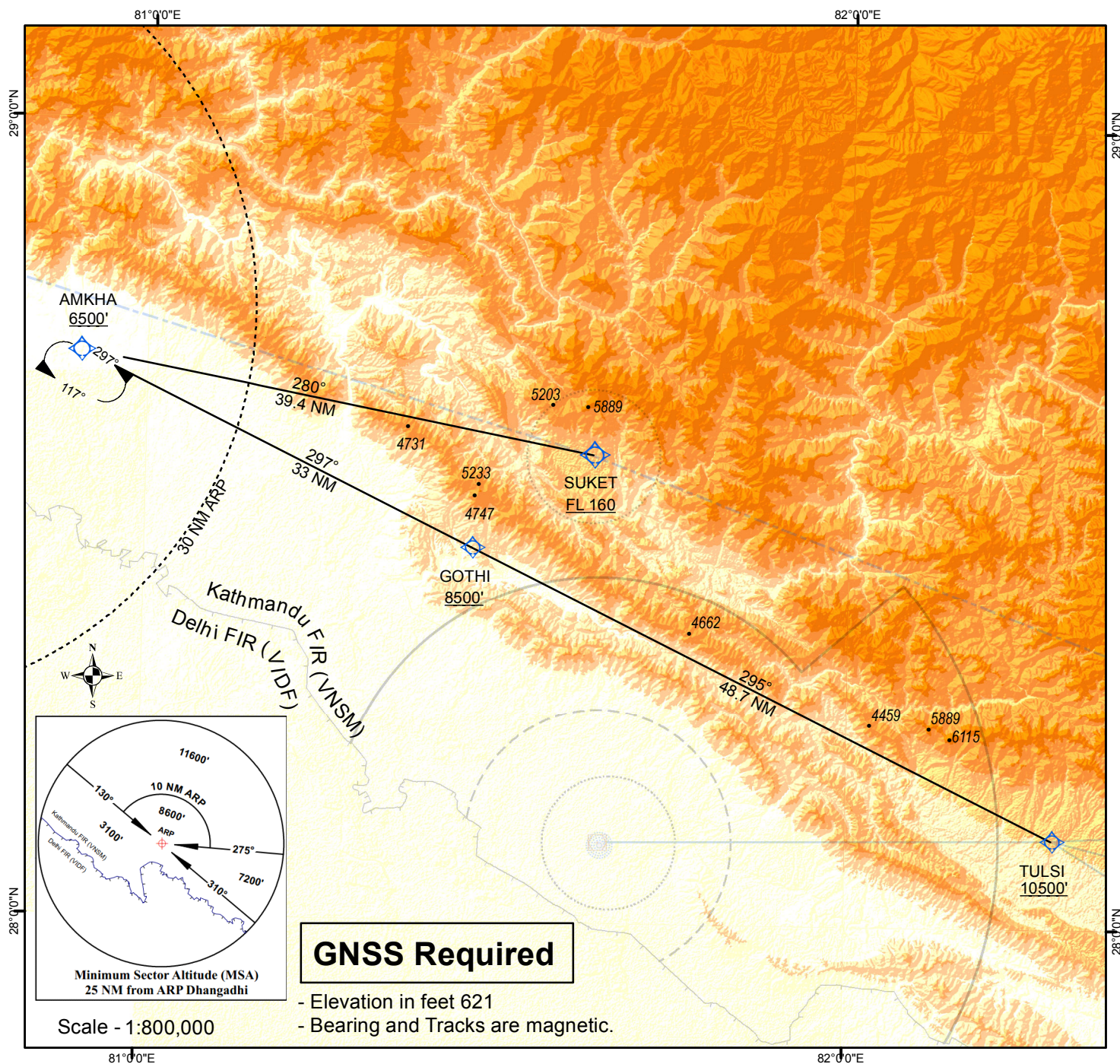


**STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO**

**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, TULSI 1C**



SUKET 1R ARRIVAL

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

TULSI 1C ARRIVAL

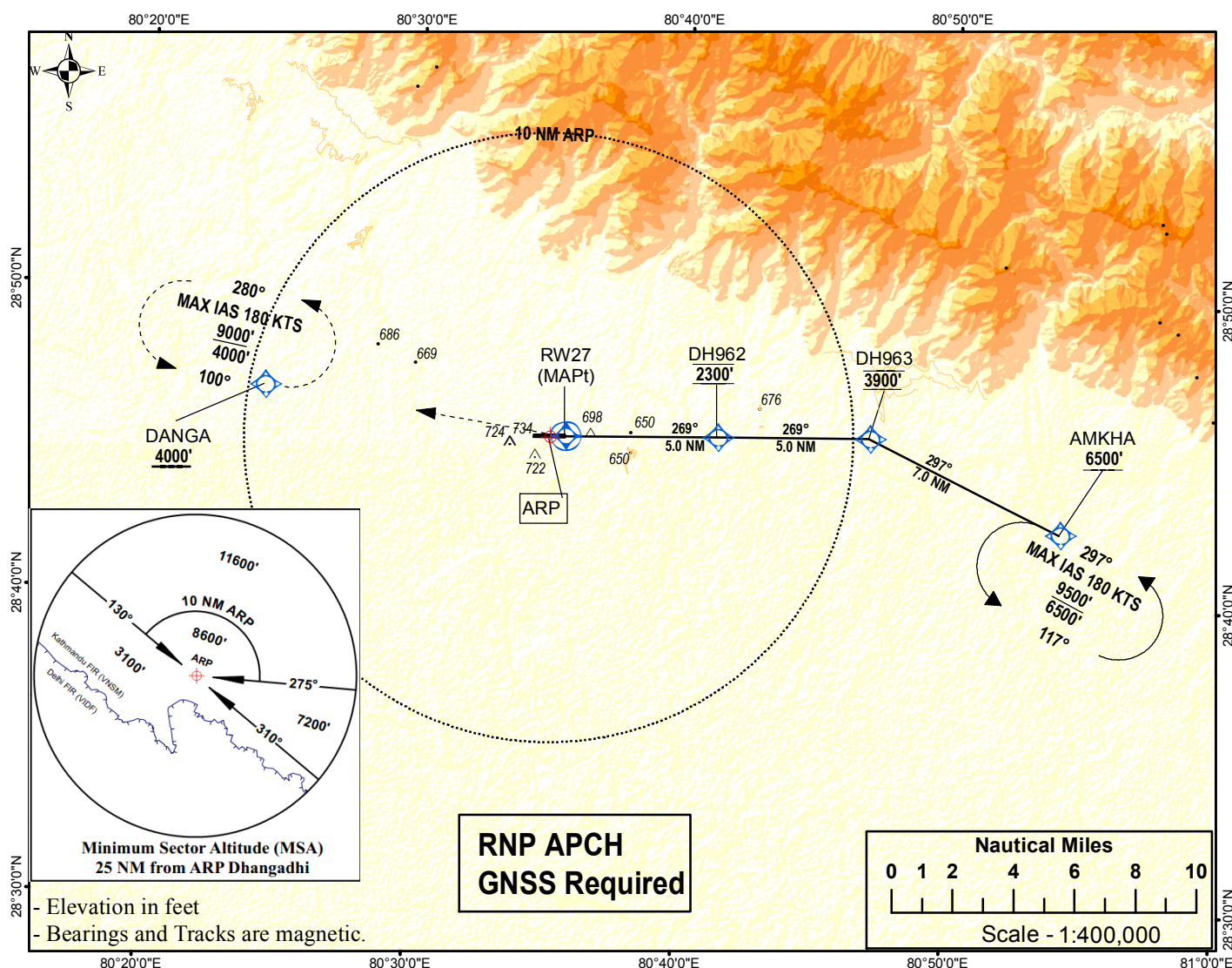
From TULSI track 295° to GOTH at or above 8500 ft. Then track 297° to AMKHA at or above 6500 ft.

**INSTRUMENT
APPROACH
CHART - ICAO**

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

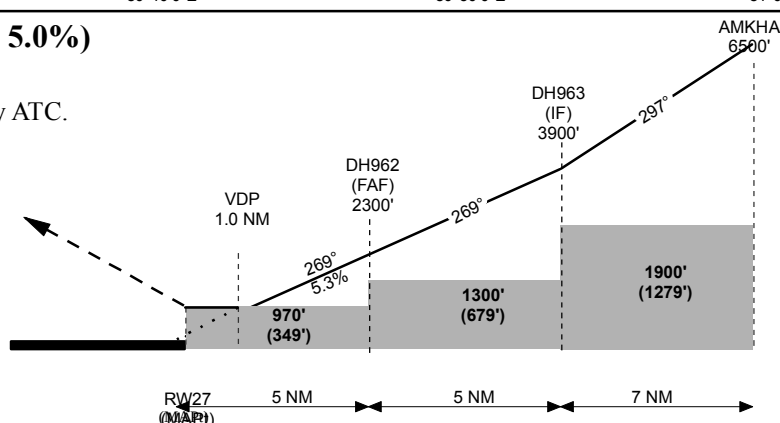
TWR 122.3

**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.



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

Note: No Approach Lighting System at Dhangadhi Airport.