

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

1.	ARP Coordinates and site at AD	263411 N 0880438 E *
2.	Direction and Distance from (city)	Adjoining to the North of Bhadrapur City
3.	Elevation/Reference Temperature	95.149 m. (312.184ft.)/-
4.	MAG VAR/Annual Change	0 ° W
5.	AD Administration, address Telephone, Telefax, Telex AFS	Civil Aviation Authority of Nepal Chandragadhi Civil Aviation Office, Chandragadhi, Jhapa Tel- 977-23-455075 Fax - 977-23-456801 AFS - VNCGYDYX
6.	Types of traffic permitted (IFR/VFR)	IFR/VFR
7.	Remarks	-

VNCG 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 - 1300) UTC** 2) From 16 Nov - 15 Feb (0045 - 1215) 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

VNCG AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
10	1500	1500	1500	1500	
28	1500	1500	1500	1500	

VNCG 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 WBAR	SWY LGT LEN M color	Remarks
1	2	3	4	5	6	7	8	9	10
10	NIL	Green	PAPI 3.00°	NIL	NIL	1500m, 60m, White, LIM	Red	NIL	
28	NIL	Green	PAPI 3.00°	NIL	NIL	1500m, 60m, White, LIM	Red	NIL	

VNCG 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 10/28, Flashing white light with flash frequency 120 per minute.

VNCG AD 2.16 HELICOPTER LANDING AREA*Not specified***VNCG AD 2.17 ATS AIRSPACE**

1. Designation and lateral limits	Chandragadhi <u>ATZ</u> : An area of a circle of 5 NM radius centered at Chandragadhi ARP and to the East up to VNSM FIR. Chandragadhi <u>CTR</u> : An area bounded by (262617N; 0875024E) then along an arc of a circle of 15 NM radius centered at Chandragadhi ARP to (264810N; 0881049E) and along Kathmandu FIR (VNSM) to (262617N; 0875024E).
2. Vertical Limits	ATZ: <u>2000' AGL</u> GND CTR : <u>9500' AMSL</u> GND
3. Airspace classification	C
4. ATS units call sign/languages(s)	Chandragadhi TWR/English
5. Transition Altitude	13500' AMSL
6. Remarks	-

3. NAMING OF PROCEDURES

There are two RNP1 STARs, two RNP1 SIDs and one RNP APCH (LNAV only) procedures to Chandragadhi Runway 10 and are named in accordance with the ICAO naming convention as tabulated below.

RWY	SIDs	STARs	APPROACH
10	DHARA 1A MAHES 1A	CHURE 1R RANGA 1R	RNP RWY 10 (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	
CHURE	26°51'48.0"N	086°39'07.0"E
RANGA	26°30'03.4"N	087°28'17.2"E
DHARA	26°52'11.0"N	087°14'56.1"E
DAMAK	26°41'15.7"N	087°40'04.7"E
TAHAR	26°32'27.9"N	087°36'53.0"E
MAHES	26°36'26.0"N	087°51'07.0"E
CG481	26°34'51.0"N	088°01'00.1"E
CG482	26°35'33.3"N	087°56'36.5"E
CG483	26°44'03.1"N	088°03'14.7"E
CG484	26°49'03.7"N	087°53'33.9"E
CG485	26°50'07.2"N	087°40'12.2"E
MAPt (RW10)	26°34'19.1"N	088°04'17.7"E
TH28	26°34'10.5"N	088°05'11.1"E

6. Coding Table: CHURE 1R 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
1	IF	CHURE	-	-	-	-	-	+11500	-	-	RNP-1
2	TF	DHARA	-	089°	-	32.1	R	+9500	-	-	RNP-1
3	TF	DAMAK	-	116°	-	25.0	-	+8500	-	-	RNP-1
4	TF	MAHES	-	116°	-	11.0	-	+4000	-	-	RNP-1

7. Coding Table: RANGA 1R 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
1	IF	RANGA	-	-	-	-	-	+4000	-	-	RNP-1
2	TF	TAHAR	-	073°	-	8.1	-	+4000	-	-	RNP-1
3	TF	MAHES	-	073°	-	13.4	-	+4000	-	-	RNP-1

8. Coding Table: RNP RWY 10 (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	MAHES (IAF)	-	-	-	-	-	+4000	-	-	RNP APCH
002	TF	CG482 (IF)	-	100°	-	5.0	-	@2600	-	-	RNP APCH
003	TF	CG481 (FAF)	-	100°	-	4.0	-	@1300	-	-	RNP APCH
004	TF	RW10 (MAPt)	Y	100°	-	3.0	L	@346	-160	2.94/50	RNP APCH
005	DF	MAHES	-	-	-	-	-	+4000	-160	-	RNP APCH
	HM	MAHES (MAHF)	-	-	-	-	L	+4000	-180	-	RNP-1

9. Coding Table: SID DHARA 1A RWY 10

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
1	CA	-	-	100°	-	-	L	@700	-	-	RNP-1
2	DF	CG483	-	-	-	-	L	+4500	-160	-	RNP-1
3	TF	CG484	-	300°	-	10.0	L	+7500	-180	-	RNP-1
4	TF	CG485	-	275°	-	12.0	-	+10500	-	-	RNP-1
5	TF	DHARA	-	275°	-	22.7	-	+12500	-	-	RNP-1

10. Coding Table: SID MAHES 1A RWY 10

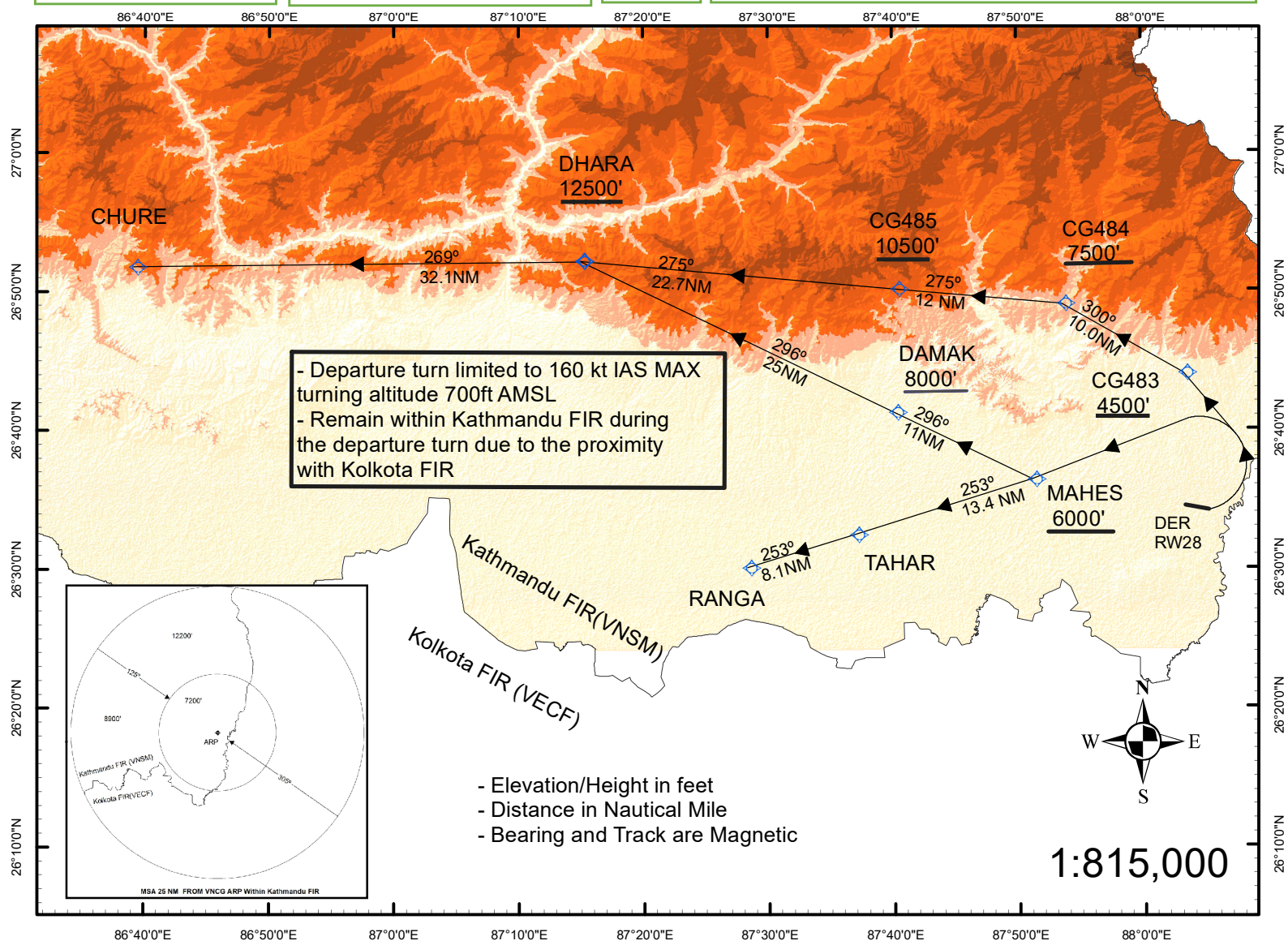
Serial No.	Path Descriptor	Waypoint Identifier	Flyover	Course/Track (°M/°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kts)	VPA/TCH	Navigation Specification
1	CA	-	-	100°	-	-	L	@700	-	-	RNP-1
2	DF	MAHES	-	-	-	-	-	+6000	-160	-	RNP-1

STANDARD
DEPARTURE
CHART -
INSTRUMENT (SID)-
ICAO

AERODROME ELEV 317'
TRANS LEVEL: FL150'
TRANS ALT: 13500' ft.
Mag Var. 0°W

TWR
122.5

CHANDRAGADI/CHANDRAGADI AIRPORT (VNCG)
RWY 10
RNP 1 SID
DHARA 1A, MAHES 1A



DHARA 1A RWY 10 (PDG 6.5%)

(Maximum departure turn limited to 160 Kt)

Climb on runway axis. At 700ft AMSL, turn left direct to CG483 at or above 4500ft AMSL. Then track 300° to CG484 at or above 7500ft AMSL. Then track to 275° to CG485 at or above 10500ft AMSL. Then to DHARA at or above 12500 ft AMSL.

Transition to R344

Transition to 244 : From *DHARA* track to 269° to join *R344* at *CHURE*.

DHARA 1A RWY 10 (PDG 6.5%)

(Maximum departure turn limited to 160 Kt)

Climb on runway axis. At 700ft AMSL, turn left direct to MAHES at or above 6000ft AMSL.

Transition to RANGE : From *MAHES* track 253° to *TAHAR* at or above 4000ft AMSL then *RANGA* at or above 3000ft AMSL

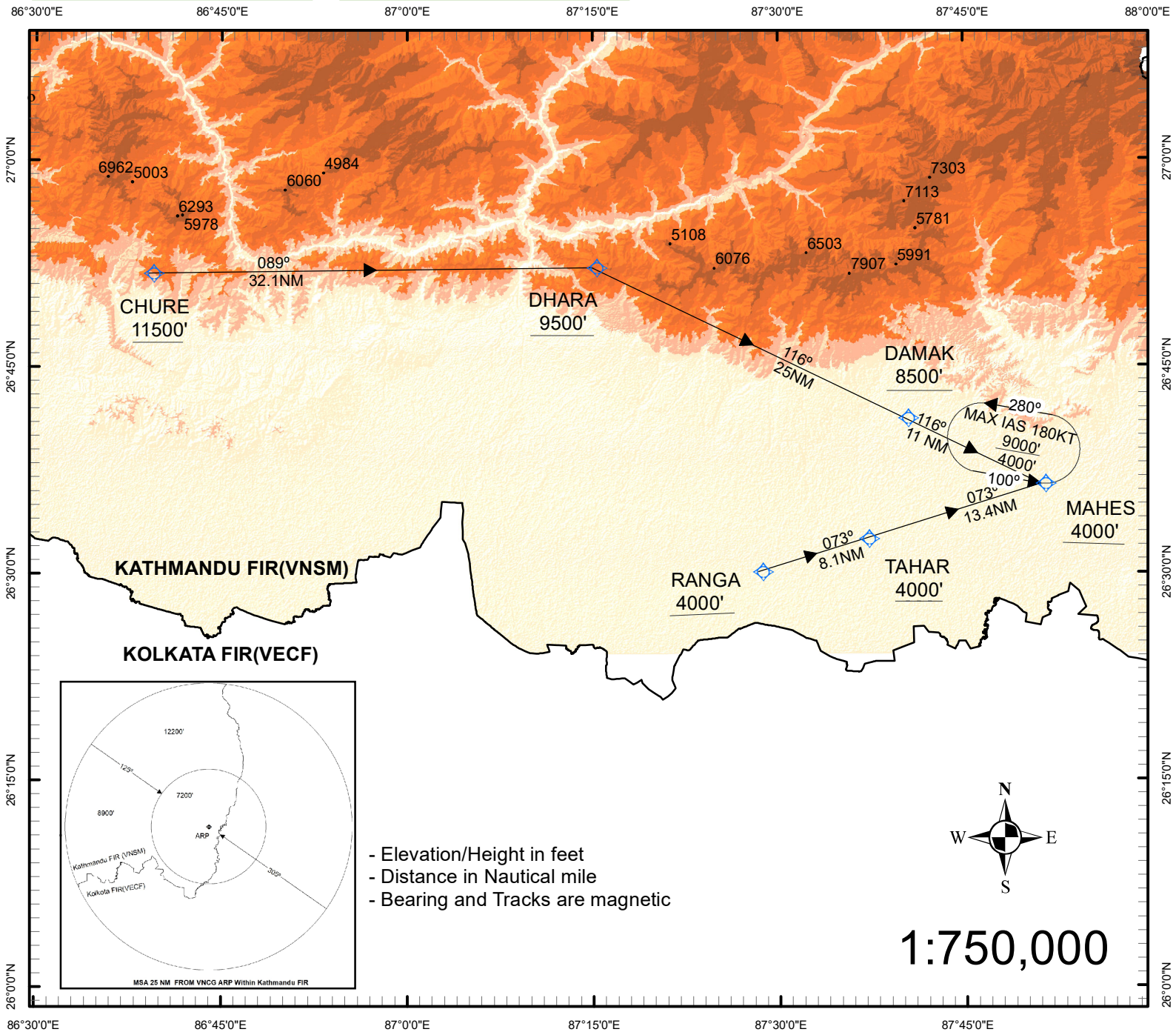
Transition to 344: From *MAHES* track to 296° to *DAMAK* at or above 8000ft AMSL then *DHARA* at or above 12500ft AMSL then track 269 ° at *CHURE*.

STANDARD ARRIVAL
CHART - INSTRUMENT
(STAR) - ICAO

AERODROME ELEV 317'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°W

TWR
122.5

CHANDRAGADHI, NEPAL/
CHANDRAGADHI AIRPORT
RNP 1 STAR
CHURE 1R, RANGA 1R



STAR	ROUTING
CHURE 1R	From CHURE track 089° to DHARA at or above 9500 ft. AMSL. Then track 116° to DAMAK at or above 8500ft AMSL. Then to MAHES at or above 4000ft. AMSL
RANGA 1R	From RANGA track 073° to TAHAR at or above 4000ft AMSL. Then to MAHES at above 4000ft AMSL

**INSTRUMENT
APPROACH
CHART - ICAO**

**AERODROME ELEV 317'
TRANS LEVEL: FL150
TRANS ALT: 13500 ft.
Mag Var. 0°W**

TWR 122.5

**CHANDRAGADHI, NEPAL
CHANDRAGADHI AIRPORT
RNP RWY 10 (LNAV Only)**

