

## 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	96.4m. (316.2 ft.)/-
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 Te1- 977-23-452075 Fax - 977-23-453801 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 - 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

#### VNCG 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	<b>Storage Capacity (KL):</b> Physical -76, Mobile-23  <b>Storage Type:</b> Physical and Refueling  <b>Refueller Details:</b> AR22 (12 KL), AR29 (11 KL)
4.	De-icing facilities	NIL
5.	Hangar space for visiting aircraft	NIL
6.	Repair facilities for visiting aircraft	NIL
7.	Remarks	-

#### VNCG 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	-
7.	Remarks	-

#### VNCG AD 2.6 RESCUE AND FIRE FIGHTING SERVICE

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

#### VNCG AD 2.7 SEASONAL AVAILABILITY

Aerodrome is available throughout the year.

#### VNCG AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

1.	Apron surface and strength	Surface - Asphalt Concrete, Strength - ...
2.	Taxiway width, surface and strength	Width - 22m Surface – Asphalt, Strength - 27/F/C/Y/T
3.	Altimeter check point location and elevation	

**VNCG 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 TWY and RWY
2.	RWY and TWY markings and LGT	RWY: RWY10/28, THR, TDZ, Center line, RWY edge marked and RWY end, THR, RWY edge have lights. TWY: Center line, holding positions at TWY/RWY intersection marked and TWY edge with blue lights.
3.	Stop bars	NIL
4.	Remarks	NIL

**VNCG AD 2.10 AERODROME OBSTACLES**

P. No.	Obs. ID	Latitude WGS84	Longitude WGS84	MSL Height	Remarks
1	CG001	26°34'5.331"N	88°5'18.566"E	104.241	TREE
2	CG002	26°34'11.163"N	88°4'38.268"E	108.153	APRON LIGHTING
3	CG003	26°34'10.311"N	88°4'38.392"E	110.325	WIFI ANTENNA
4	CG004	26°34'10.694"N	88°4'36.127"E	107.443	APRON LIGHTING
5	CG005	26°34'10.942"N	88°4'34.403"E	107.384	APRON LIGHTING
6	CG006	26°34'16.081"N	88°4'14.706"E	109.833	TEMPLE PINNACLE
7	CG007	26°34'16.595"N	88°4'12.704"E	112.756	HOUSE TOP CDO Office
8	CG008	26°34'14.352"N	88°4'13.895"E	114.662	HOUSE TOP
9	CG009	26°34'13.685"N	88°4'14.010"E	116.591	TREE
10	CG010	26°34'15.336"N	88°4'15.798"E	111.779	TREE
11	CG011	26°34'13.474"N	88°4'16.072"E	116.794	TREE
12	CG012	26°34'15.719"N	88°4'15.724"E	108.371	HOUSE TOP
13	CG013	26°34'16.380"N	88°4'14.896"E	108.088	HOUSE CORNER TEMPLE PINNACLE
14	CG014	26°34'15.995"N	88°4'14.982"E	108.080	HOUSE CORNER
15	CG015	26°34'16.461"N	88°4'12.902"E	108.548	HOUSE TOP
16	CG016	26°34'25.846"N	88°4'14.189"E	114.161	TREE
17	CG017	26°34'12.427"N	88°4'23.063"E	119.681	TREE
18	CG018	26°34'19.743"N	88°4'23.429"E	103.503	WIND SHOCK
19	CG019	26°34'3.818"N	88°5'11.605"E	115.776	TREE
20	CG020	26°34'14.327"N	88°5'12.764"E	107.044	BAMBOO TREE TOP
21	CG021	26°34'14.272"N	88°5'13.559"E	103.073	BAMBOO TREE TOP
22	CG022	26°34'15.139"N	88°5'13.081"E	113.799	TREE
23	CG023	26°34'10.484"N	88°4'39.567"E	112.584	ATC TOP
24	CG024	26°34'8.184"N	88°4'48.345"E	120.405	TREE
25	CG025	26°34'9.649"N	88°4'51.032"E	117.169	TREE
26	CG026	26°34'8.222"N	88°4'49.404"E	118.397	TREE
27	CG027	26°34'6.988"N	88°4'5.718"E	119.545	TELECOMMUNICATIONS TOWER
28	CG028	26°34'6.611"N	88°4'3.909"E	117.226	WIFI ANTENNA
29	CG029	26°34'7.449"N	88°3'59.234"E	122.587	TELECOMMUNICATIONS TOWER

30	CG030	26°34'13.567"N	88°3'54.312"E	123.693	WATER TANK
31	CG031	26°34'30.847"N	88°4'4.578"E	117.285	TELECOMMUNICATIONS TOWER
32	CG032	26°34'6.509"N	88°4'9.145"E	121.661	TELECOMMUNICATIONS TOWER
33	CG033	26°34'28.902"N	88°3'50.403"E	122.783	TREE
34	CG034	26°34'28.134"N	88°3'38.847"E	113.803	HOTEL TOP
35	CG035	26°34'29.534"N	88°3'48.799"E	110.518	TREE
36	CG036	26°34'46.571"N	88°3'16.844"E	118.452	TELECOMMUNICATIONS TOWER
37	CG037	26°34'59.329"N	88°3'25.006"E	127.775	WATER TANK
38	CG038	26°35'41.828"N	88°2'24.237"E	138.084	FACTORY CHIMNEY
39	CG039	26°35'41.115"N	88°2'11.871"E	126.763	TELECOMMUNICATIONS TOWER
40	CG040	26°36'5.501"N	88°1'34.879"E	130.911	TELECOMMUNICATIONS TOWER
41	CG041	26°36'38.167"N	88°1'30.383"E	132.037	WATER TANK
42	CG042	26°32'40.997"N	88°5'47.090"E	121.300	FACTORY CHIMNEY
43	CG043	26°32'55.504"N	88°5'18.835"E	140.928	TELECOMMUNICATIONS TOWER
44	CG044	26°33'7.063"N	88°5'28.508"E	123.102	CHIMNEY
45	CG045	26°33'19.426"N	88°5'21.357"E	125.737	FM TOWER
46	CG046	26°33'59.084"N	88°4'15.830"E	121.383	TELECOMMUNICATIONS TOWER
47	CG047	26°34'4.165"N	88°5'1.507"E	124.170	TELECOMMUNICATIONS TOWER
48	CG048	26°33'37.436"N	88°4'58.320"E	114.139	WATER TANK
49	CG049	26°38'57.130"N	88°3'18.263"E	174.267	TELECOMMUNICATIONS TOWER
50	CG050	26°39'7.028"N	88°3'22.144"E	156.294	TELECOMMUNICATIONS TOWER
51	CG051	26°37'54.157"N	88°3'43.269"E	150.774	FACTORY CHIMNEY
52	CG052	26°37'42.093"N	88°3'46.873"E	154.085	CEMENT FACTORY TOP
53	CG053	26°38'0.417"N	88°3'48.438"E	152.120	FACTORY CHIMNEY
54	CG054	26°37'17.664"N	88°4'3.282"E	144.834	FACTORY CHIMNEY
55	CG055	26°36'23.259"N	88°4'45.649"E	130.476	TELECOMMUNICATIONS TOWER
56	CG056	26°35'15.231"N	88°4'13.325"E	126.238	WATER TANK
57	CG057	26°35'54.155"N	88°4'31.856"E	137.771	TREE
58	CG058	26°35'54.875"N	88°4'29.896"E	140.068	TREE
59	CG059	26°35'52.530"N	88°4'25.923"E	134.435	TREE
60	CG060	26°35'24.950"N	88°5'13.296"E	130.107	BRICK CHIMNEY
61	CG061	26°34'15.455"N	88°5'37.820"E	114.113	FACTORY CHIMNEY CTC TEA
62	CG062	26°34'13.384"N	88°5'49.521"E	113.262	FACTORY CHIMNEY
63	CG063	26°33'55.682"N	88°5'37.809"E	114.937	FACTORY CHIMNEY
64	CG064	26°32'2.424"N	88°6'39.191"E	130.841	TELECOMMUNICATIONS TOWER (INDIA)
65	CG065	26°32'16.050"N	88°6'12.112"E	109.331	STADIUM LIGHT (INDIA)

**VNCG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1.	Associated MET Office	---
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	NIL
6.	Flight documentation language(s) used	NIL
7.	Charts and other information available for briefing or consultation	NIL
8.	Supplementary equipment available for providing information	NIL
9.	ATS units provided with information	Chandragadhi TWR
10.	Additional information (limitation of service, etc.)	NIL

**VNCG 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
10	100 <sup>0</sup>	1500x 30	16/F/D/Y/T Bitumen	263419.18N* 0880417.77E	96.4 m (316.2 ft.)
28	280 <sup>0</sup>	1500x30	16/F/D/Y/T Bitumen	263410.58N* 0880511.11E	93.1m (305.4 ft.)
Slope of RWY-SWY	SWY Dimensions (M)	CWY Dimensions (M)	Strip Dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
.....	.....	.....	.....	.....	.....

### VNCG AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
10 28	1500 1500	1500 1500	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 ATZ: An area of a circle of 5 NM radius centered at Chandragadhi ARP and to the East up to VNSM FIR.  Chandragadhi CTR: 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	-	

### **VNCG AD 2.18 ATS COMMUNICATION FACILITIES**

Service Designation	Call Sign	Frequency	Hours of Operation	Remarks
1	2	3	4	5
TWR	Chandragadhi Tower	122.5 MHZ	As ATS	

### **VNCG 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	5	6	7
DVOR/DME 0.5° E	BDP	115.6 MHz CHN 103X	H24	263406.8N 0880532.9E	105m	<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"> <li>- 41 nm. on R263 at altitude 2,000 ft. (MSL)</li> <li>- 40 nm. on R295 at altitude 12,500 ft. (MSL)</li> <li>- 40 nm. on R313 at altitude 13,000 ft. (MSL)</li> </ul> <p>b. DVOR/DME coverage signal in orbit is available till:</p> <ul style="list-style-type: none"> <li>- 40 nm. on R263 – R283 at altitude should not below 3,000 feet (MSL)</li> <li>- 40 nm. on R284 – R311 at altitude should not below 10,000 feet (MSL)</li> <li>- 40 nm. on R312 – R345 at altitude should not below 13,000 feet (MSL)</li> </ul>

### **VNCG AD 2.20 LOCAL TRAFFIC REGULATIONS**

To be Developed

### **VNCG AD 2.21 NOISE ABATEMENT PROCEDURES**

NIL

**VNCG AD 2.22 FLIGHT PROCEDURES**

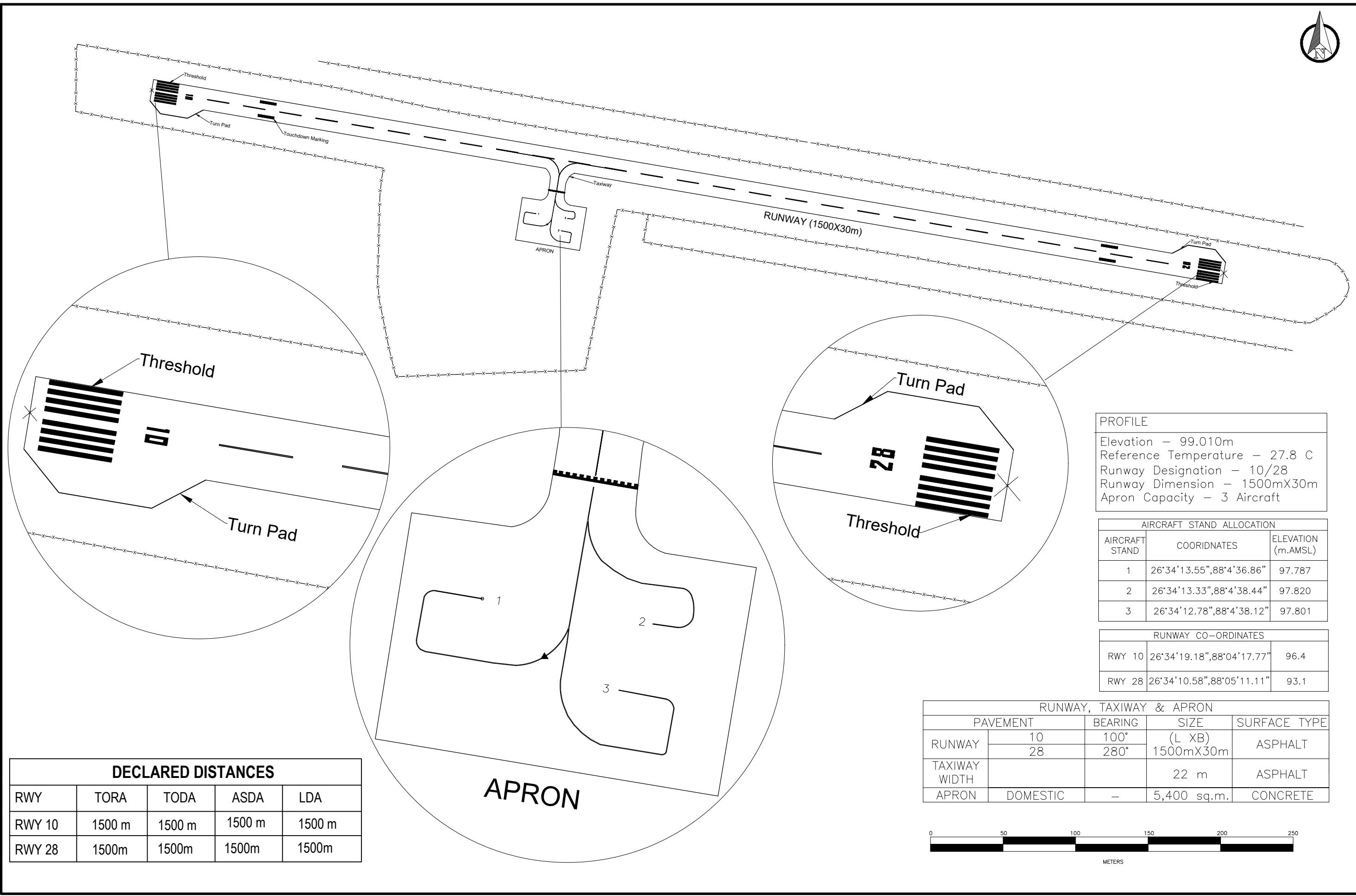
**TO BE DEVELOPED**

**VNCG AD 2.23 ADDITIONAL INFORMATION**

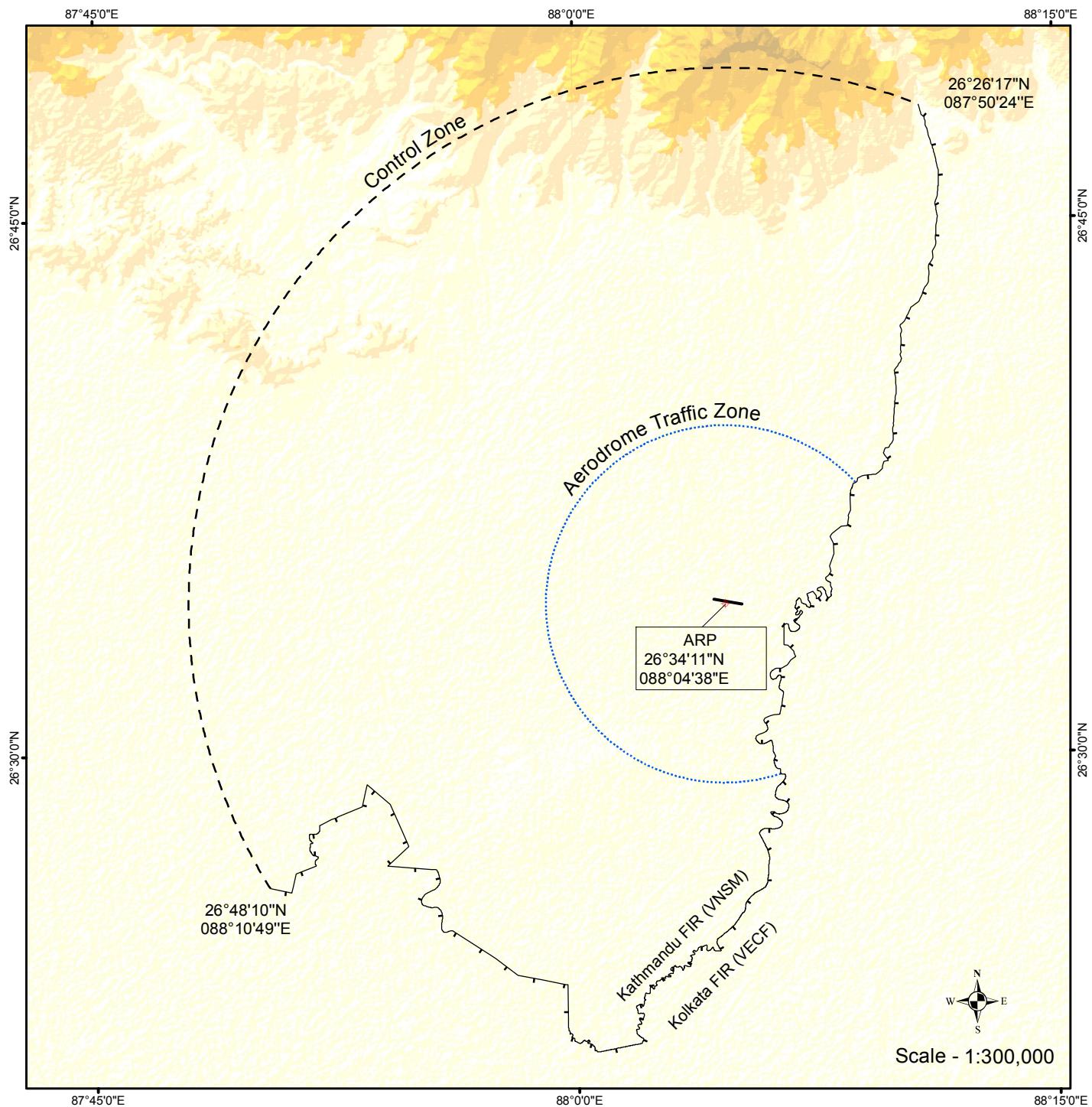
**TO BE DEVELOPED**

**VNCG AD 2.24 CHARTS & PROCEDURES RELATED TO CHANDRAGADHI AIRPORT**

Aerodrome Chart	VNCG AD 2-10
Control Zone (CTR) and Aerodrome Traffic Zone (ATZ)	VNCG AD 2-11
VFR Holdings	VNCG AD 2-12
RNAV GNSS approach procedure at Chandragadhi Airport	VNCG AD 2-13 - VNCG AD 2-18
Standart Departure Chart - Instrument (SID) - ICAO (RWY 10)	VNCG AD 2-19
Standart Arrival Chart - Instrument (STAR) - ICAO	VNCG AD 2-20
Instrument Approach Chart - ICAO (VOR RWY 10)	VNCG AD 2-21

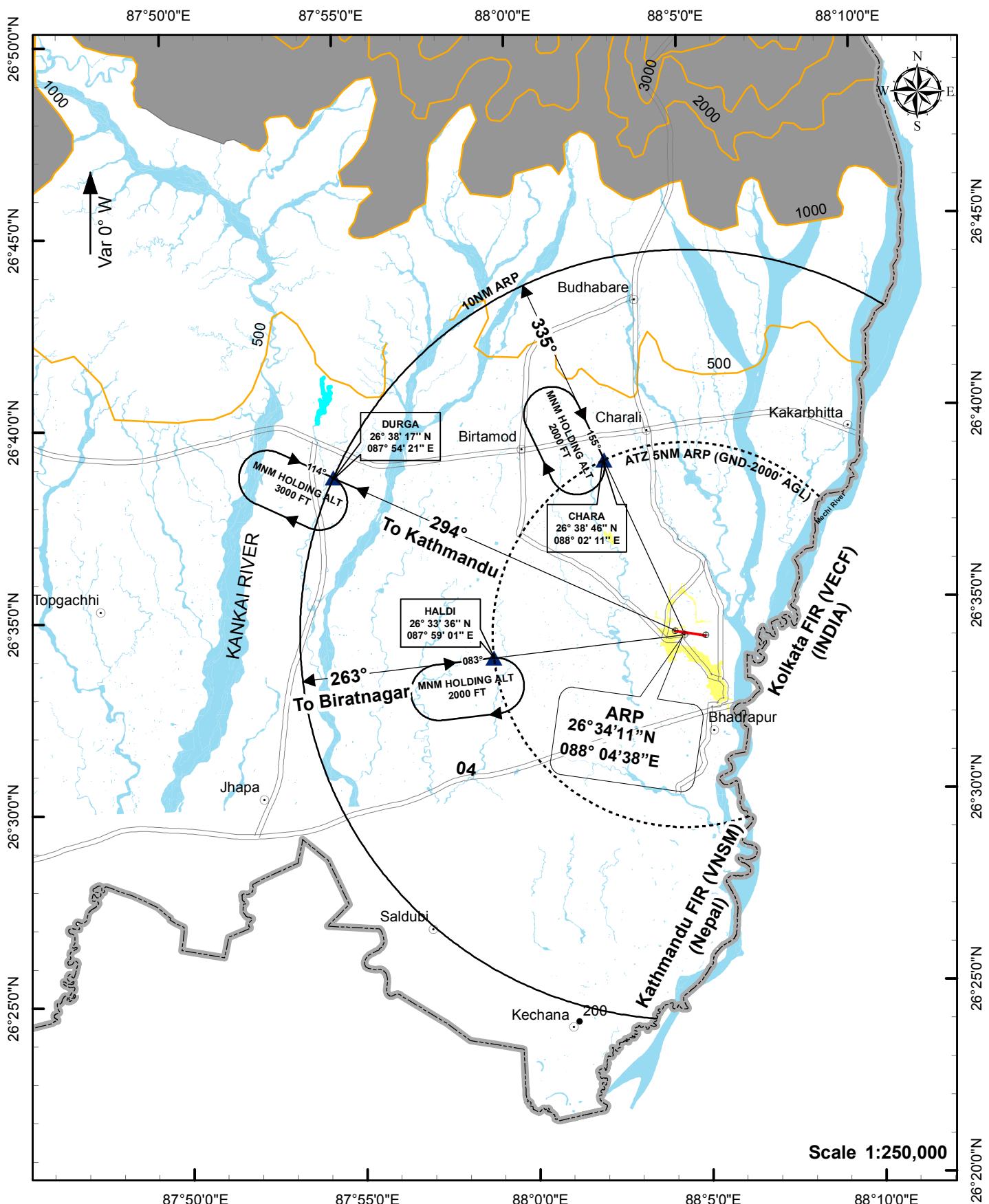
**AERODROME CHART OF  
CHANDRAGADHI AIRPORT**


# Control Zone (CTR) and Aerodrome Traffic Zone (ATZ) Chandragadhi Airport



AIRSPACE	IDENT	Lateral Limit	Vertical Limit
Aerodrome Traffic Zone	ATZ	An area of a circle of 5 NM radius centered at Chandragadhi ARP and to the East up to VNSM FIR.	<u>2000 ft AGL</u> GND
Control Zone	CTR	An area bounded by (26°26'17"N; 087°50'24"E) then along an arc of a circle of 15 NM radius centered at Chandragadhi ARP to (26°48'10"N; 088°10'49"E) and along Kathmandu FIR (VNSM) to (26°26'17"N; 087°50'24"E).	<u>9500 ft AMSL</u> GND

## Visual Holdings



## **RNAV GNSS approach procedures at Chandragadhi Airport (VNCG)**

### **1. INTRODUCTION**

- 1.1 The following RNP1 SIDs/STARs and RNP APCH and associated Missed Approach Procedures are designed for VNCG in accordance with the criteria as stipulated in the ICAO PANS-OPS (DOC 8168 Vol. II).
- 1.2 The RNP1 SIDs/STARs and RNP APCH Procedures at VNCG is designed to enhance the safety and efficiency of the aircraft operations to materialize the National PBN Implementation Plan of Nepal.
- 1.3 One RNAV (GNSS) approach procedure with LNAV Specification only along with two RNP1 STARs and two RNP1 SIDs have been designed utilizes GNSS as a navigation system as stipulated in ICAO PBN Manual DOC 9613.
- 1.4 A full arrival, approach and missed approach trajectories along with associated holding have been designed.

### **2. APPROVED USERS, EQUIPMENT AND OPERATIONS**

- 2.1 For the RNP1 SIDs/STARs, RNP APCH and associated Missed Approach, 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 APCH 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, 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.

<b>RWY</b>	<b>SIDs</b>	<b>STARs</b>	<b>APPROACH</b>
<b>10</b>	<b>DHARA 1A</b> <b>MAHES 1A</b>	<b>CHURE 1R</b> <b>RANGA 1R</b>	<b>RNP RWY 10 (LNAV Only)</b>

### **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 :**

<b>Waypoint Identifier</b>		<b>Coordinates</b>	
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**

<b>Serial No.</b>	<b>Path Descriptor</b>	<b>Waypoint Identifier</b>	<b>Fly-over</b>	<b>Course/Track (°M/°T)</b>	<b>Magnetic Variation</b>	<b>Distance (NM)</b>	<b>Turn Direction</b>	<b>Altitude (ft)</b>	<b>Speed (kts)</b>	<b>VPA/TCH</b>	<b>Navigation Specification</b>
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	-	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**

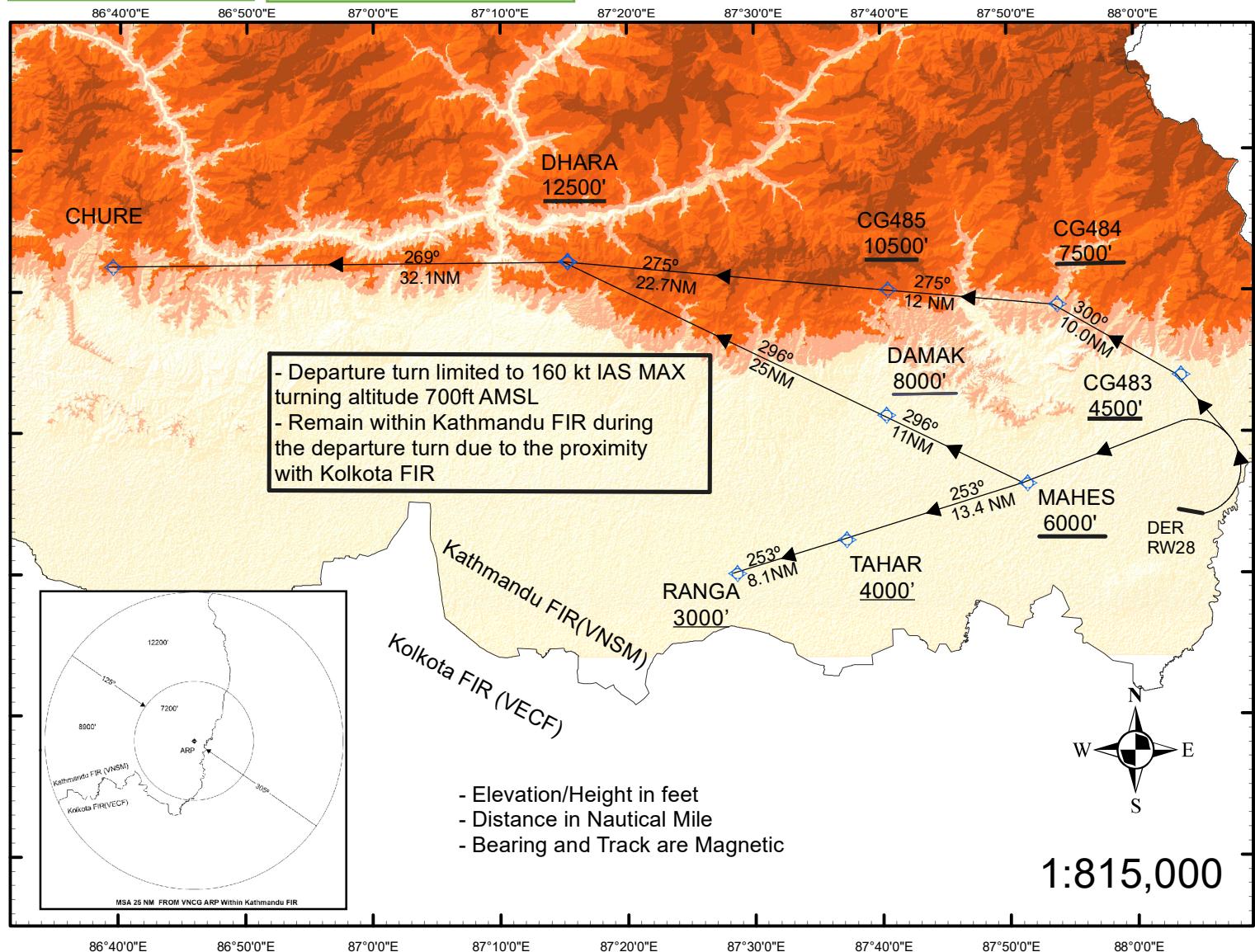
Serial No.	Path Descriptor	Waypoint Identifier	Flyover	Course/Track (°M/°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed (kts)	VPA/TCH	Navigation Specification
1	CA	-	-	100°	-	-	L	@700	-	-	RNP-1
2	DF	MAHES	-	-	-	-	-	+6000	-160	-	RNP-1

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 275° to CG485 at or above 10500ft AMSL. Then to DHARA at or above 12500 ft AMSL.

### Transition to R344

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

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

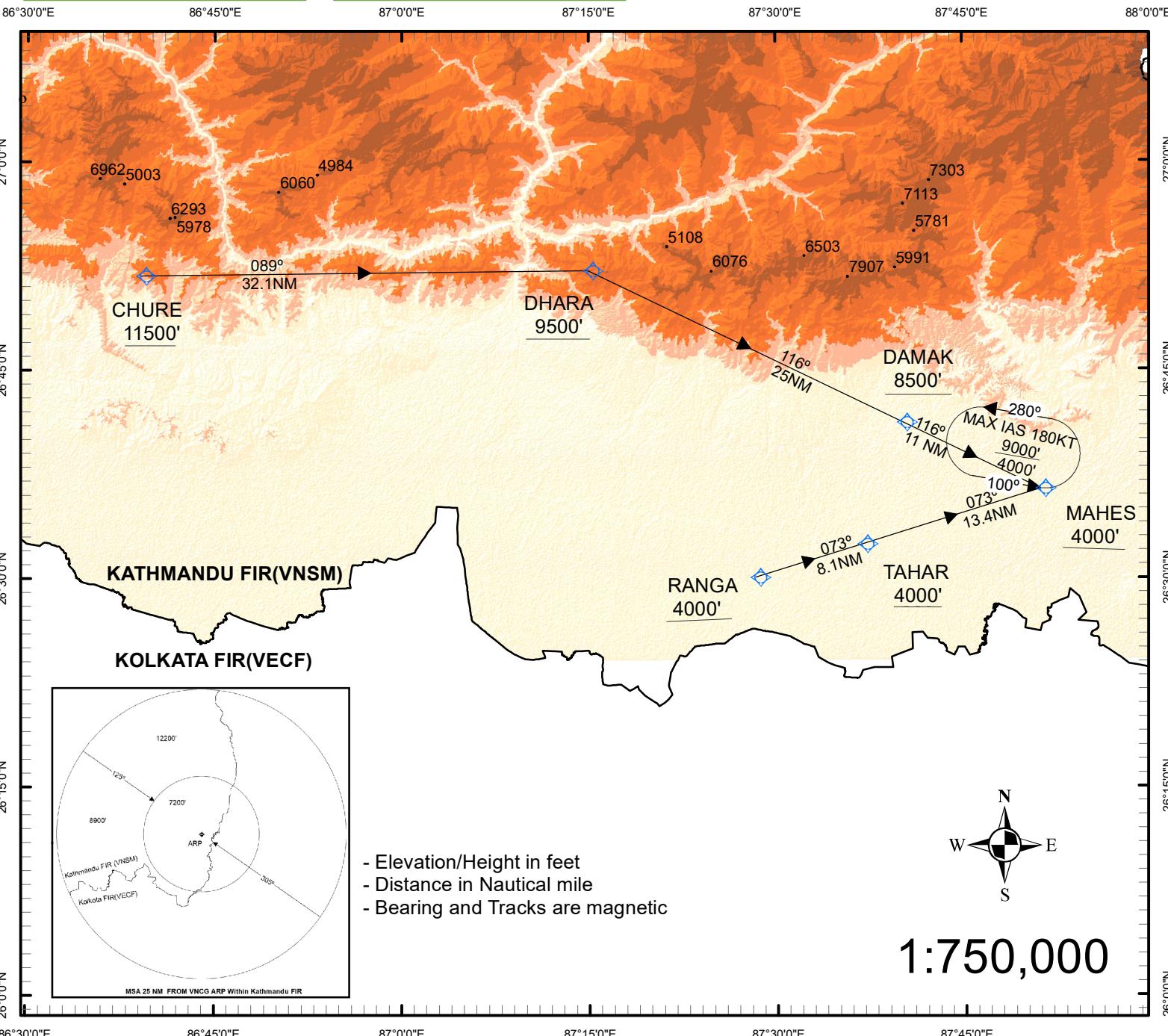
**Transition to R344:** From MAHES track 296° to DAMAK at or above 8000ft AMSL then DHARA at or above 12500ft AMSL then track 269 ° to CHURE.

**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**



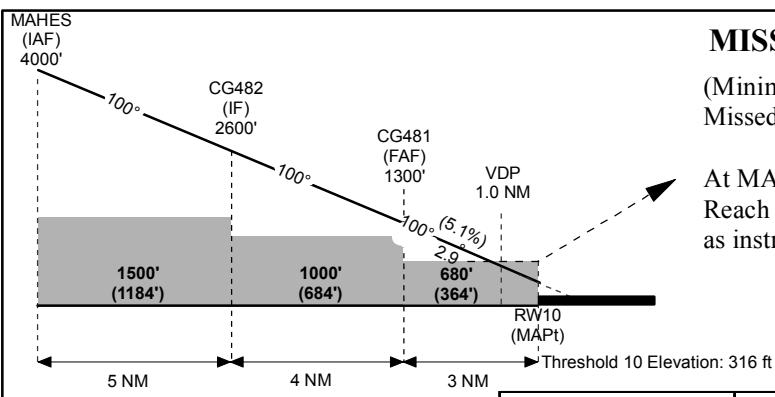
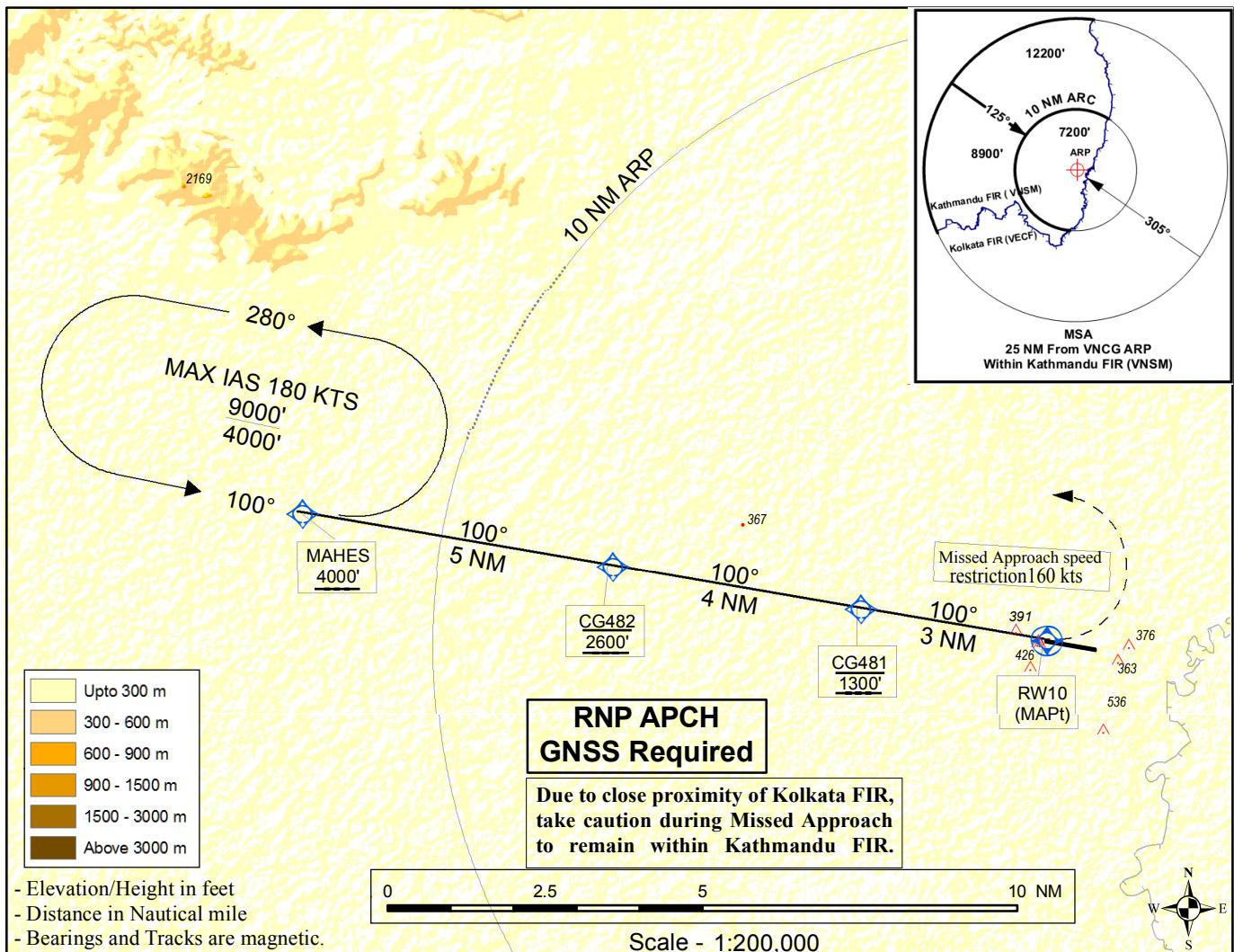
<b>STAR</b>	<b>ROUTING</b>
CHURE 1R	From CHURE track $089^\circ$ to DHARA at or above 9500 ft. AMSL. Then track $116^\circ$ to DAMAK at or above 8500ft AMSL. Then to MAHES at or above 4000ft. AMSL
RANGA 1R	From RANGA track $073^\circ$ to TAHAR at or above 4000ft AMSL. Then to MAHES at above 4000ft AMSL

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)



### MISSED APPROACH:

(Minimum MA climb gradient is 3.5%.  
Missed Approach speed restriction 160 kts.)

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

LNAV	Aircraft Category				
	A	B	C	OCA (OCH)	Visibility
Straight-in	680' (364')	2200 m	680' (364')	2200 m	680' (364')
Circling	840' (524')	3000 m	840' (524')	3000 m	940' (624')
<u>NOT AUTHORIZED AT NIGHT</u>					
<u>Note: Circling Approach only from North of the airfield.</u>					
<u>Note: Approach Lighting System (ALS) Not available at VNCG.</u>					

STANDARD  
DEPARTURE  
CHART -  
INSTRUMENT  
(SID) - ICAO

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

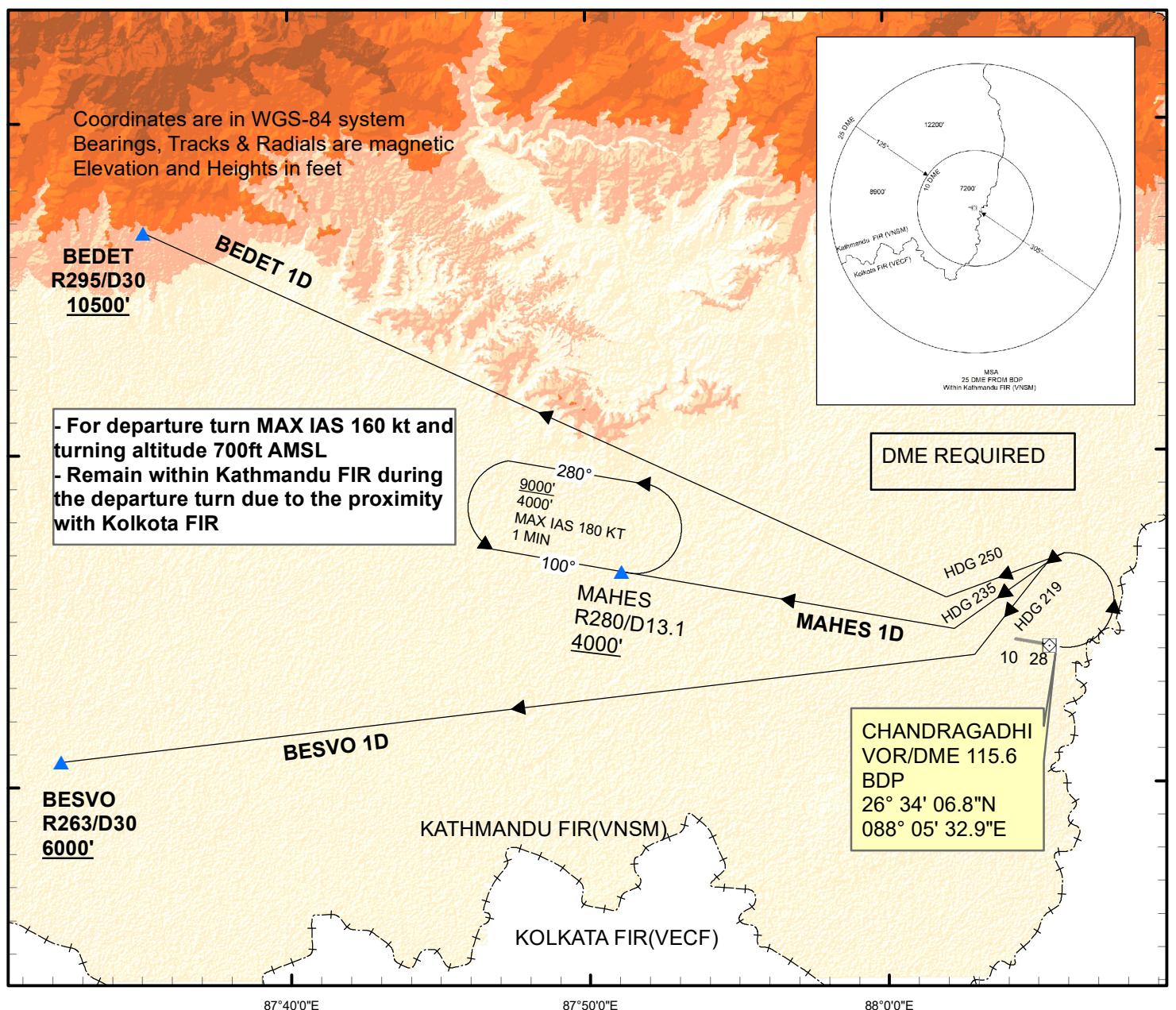
TWR  
122.5

CHANDRAGADHI/CHANDRAGADHI AIRPORT  
(VNCG)  
RWY 10  
BEDET 1D, MAHES 1D, BESVO 1D

87°40'0"E

87°50'0"E

88°0'0"E



#### BEDET 1D RWY 10 (PDG 6.5% UPTO 8500ft then 3.3%)

MAXIMUM TURN IAS 160KT

CLIMB STRAIGHT AHEAD TO 700'. TURN LEFT TO INTERCEPT R295 'BDP' TO BEDET ( R295/D30 ) AT OR ABOVE 10500'.

#### MAHES 1D RWY 10 (PDG 6.5% UPTO 2000ft then 3.3%)

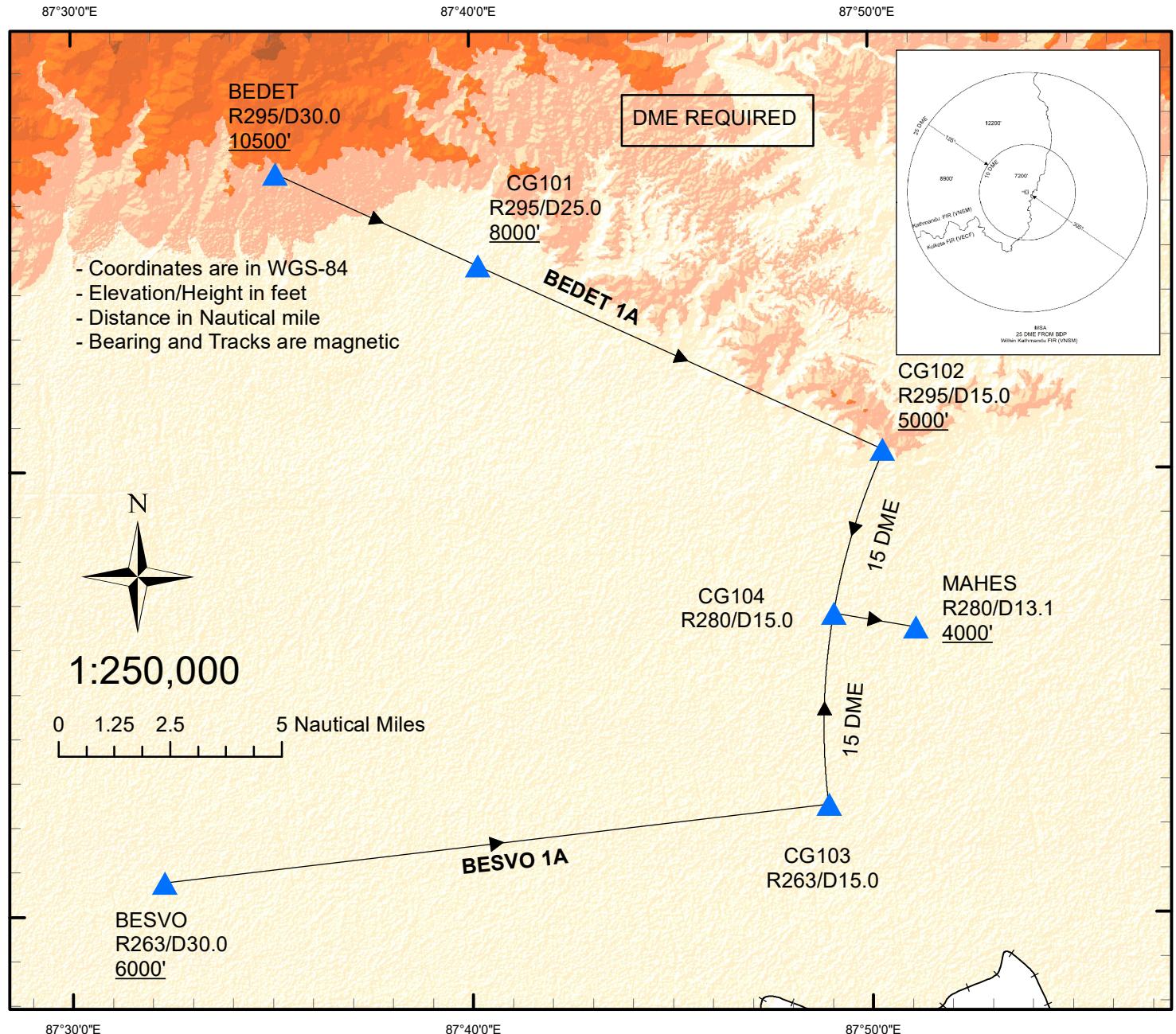
MAXIMUM TURN IAS 160KT

CLIMB STRAIGHT AHEAD TO 700'. TURN LEFT TO INTERCEPT R280 'BDP' TO MAHES ( R280/D13.1 ) AT OR ABOVE 4000'.

#### BESVO 1D RWY 10 (PDG 6.5 UPTO 2000ft then 3.3%)

MAXIMUM TURN IAS 160KT

CLIMB STRAIGHT AHEAD TO 700'. TURN LEFT TO INTERCEPT R263 BDP TO BESVO ( R263/D30 ) AT OR ABOVE 6000'.

**STANDARD ARRIVAL  
CHART - INSTRUMENT  
(STAR) - ICAO****AERODROME ELEV 317'  
TRANS LEVEL: FL150  
TRANS ALT: 13500 ft.  
Mag Var. 0°W****TWR  
122.5****CHANDRAGADHI  
CHANDRAGADHI AIRPORT  
(VNCG)  
BEDET 1A, BESVO 1A**

## **BEDET 1A**

From BEDET (R295/D30) track on R295 inbound to CG101 ( R295/D25) at or above 8000ft then to CG102( R295/D15) at or above 5000 ft then 15 DME arc to CG104( R280/D15) then track on R280 inbound to MAHES (R280/D13.1) at or above 4000ft.

## **BESVO 1A**

From BESVO (R263/D30) track on R263 inbound to CG103 (R263/D15) then 15 DME arc to CG104 ( R280/D15) then track on R280 inbound to MAHES (R280/D13.1) at or above 4000ft.

INSTRUMENT  
APPROACH  
CHART - ICAO

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

**TWR 122.5**

**CHANDRAGADHI  
CHANDRAGADHI AIRPORT  
(VNCG)  
VOR RWY 10**

87°50'0"E

88°0'0"E

88°10'0"E

