

AD 2. AERODROMES**VEGY AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

VEGY - GAYA / INTL

VEGY AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	244453N 0845633E Location west of stand no.2
2	Direction and distance of aerodrome reference point from the centre of the city or town which the aerodrome serves	11 KM south of Gaya railway station
3	Aerodrome elevation and reference temperature	380 FT / 41.0 DEG C
4	Magnetic variation, date of information and annual change	0.30 DEG W (1985)/ NIL
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)	Airport Director Airports Authority of India, Gaya Airport, Gaya - 823004
	Telephone:	+91-631-2210129 (O) +91-631-2210083 (R)
	Fax:	0631-2228884
	AFS:	VEGYDYX
	Email:	apd_vegy@aai.aero
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	NIL

VEGY AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	MON-FRI 0400-1230 UTC (0930-1800 IST) SAT, SUN+HOLIDAY: NIL
2	Custom and immigration	As ATS
3	Health and sanitation	MI room AVBL in terminal building
4	AIS briefing office	As ATS
5	ATS reporting office (ARO)	As ATS
6	MET Briefing office	As ATS
7	Air Traffic Service	Consult current NOTAM for ATS hour
8	Fuelling	AVBL. Within watch hrs.
9	Handling	Coordinate with Air India, M/S. Globe Ground India.
10	Security	ASG (CISF)
11	De-icing	NIL
12	Remarks	1. Outside ATS hours service available On/or with 24 HR PN to APD/ATS 2. ATS approved hourly runway traffic handling capacity Maximum number of arrival and departure - 03 Maximum number of arrival only - 03 Maximum number of departure only - 03

VEGY AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Limited / Manual
2	Fuel and Oil types	JET A1
3	Fuelling facilities and capacity	IOL: 02 Bowser, total 27 KL, rate 780 ltrs/min. Static Tank storage capacity-210 KL. RIL: 03 Bowser, total 33 KL, rate 700 ltrs/min. Static Tank storage capacity-210 KL.
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

VEGY AD 2.5 PASSENGER FACILITIES

1	Hotel(s) at or in the vicinity of aerodrome	In Gaya city and Bodhgaya.
2	Restaurant(s) at or in the vicinity of aerodrome	In Gaya city and Bodhgaya.
3	Transportation possibilities	Taxi and Train available from Gaya city
4	Medical Facilities	MI Room AVBL.
5	Bank and post office at or in the vicinity of aerodrome	Banks: SBI ATM facility AVBL and Banks AVBL outside Airport. Post office: In the AD AVBL during AD Hrs.
6	Tourist office	Available at Airport
7	Remarks	NIL

VEGY AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	Aerodrome category for fire fighting	Within ATS HR: CAT-6
2	Rescue equipment	Available as per Category.
3	Capability for removal of disabled aircraft	As per Disabled ACFT Removal Plan
4	Remarks	NIL

VEGY AD 2.7 SEASONAL AVAILABILITY CLEARING

1	Type(s) of clearing equipment	NIL
2	Clearance priorities	NIL
3	Remarks	NIL

VEGY AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Designation, surface and strength of aprons	Designator: APRON Surface: Asphalt Strength: PCN 60/F/C/W/T
2	Designation, width, surface and strength of taxiways	Designator: TWY A Width: 23 M Surface: Asphalt Strength: PCN 60/F/C/W/T
3	Location and elevation of altimeter checkpoints	Location: Elevation:
4	Location of VOR checkpoints	Holding Point RWY 10/28 on TWY 'A'. Location R353/0.3 NM. Coordinates 244447.8358N 0845636.0372E
5	Position of INS checkpoints	NIL
6	Remarks	PCN for Isolation Bay: 65/F/C/W/T

VEGY AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand identification signs, taxiway guidelines and visual docking/parking guidance system at aircraft stands	TWY guideline, Taxi Holding Position and Aircraft Stand markings are provided on the apron.
2	Runway and taxiway markings and lights	RWY Markings: Designation, EDGE, THR, TDZ (Type-A) Centerline, Aiming point. RWY Lighting: THR, EDGE, END. TWY Markings: Centerline, EDGE, RWY Holding Position, Shoulder. TWY Lighting: Edge
3	Stop bars (if any)	NIL
4	Remarks	Apron Flood Lights: 2 Nos Wind cone lights are AVBL

VEGY AD 2.10 AERODROME OBSTACLES

In Approach/Take-off/Circling Area and at AD					
1	2	3	4	5	6
RWY/Area affected	Obstacle type	Coordinates	Elevation	Marking/LGT	Remarks
28/TKOF 10/APCH	TREE	244451.2N 0845606.3E	391 FT	NIL	Tree
28/TKOF 10/APCH	TREE	244447.8N 0845602.7E	411 FT	NIL	Tree
28/TKOF 10/APCH	TREE	244454.0N 0845605.6E	395 FT	NIL	Tree
28/TKOF 10/APCH	TREE	244453.8N 0845608.1E	412 FT	NIL	Group of Trees
28/TKOF 10/APCH	TREE	244450.2N 0845604.2E	387 FT	NIL	Group of Trees
28/TKOF 10/APCH	TREE	244451.1N 0845558.4E	404 FT	NIL	Group of Trees
28/TKOF 10/APCH	OTHER	244451.1N 0845619.0E	367 FT	NIL	MB Rd Traffic
28/APCH 10/TKOF	OTHER	244429.2N 0845752.9E	400 FT	NIL	MB Rd Traffic
28/APCH 10/TKOF	TREE	244428.2N 0845752.8E	413 FT	NIL	Group of Trees

In Approach/Take-off/Circling Area and at AD					
1	2	3	4	5	6
RWY/Area affected	Obstacle type	Coordinates	Elevation	Marking/LGT	Remarks
28/APCH 10/TKOF	OTHER	244431.9N 0845752.2E	402 FT	NIL	MB Rd Traffic
28/APCH 10/TKOF	POLE	244429.1N 0845756.5E	402 FT	NIL	Electric Pole
28/APCH 10/TKOF	TREE	244431.1N 0845751.9E	415 FT	NIL	Group of Trees
28/APCH 10/TKOF	POLE	244431.3N 0845752.8E	396 FT	NIL	Telephone Pole
28/APCH 10/TKOF	TREE	244426.0N 0845754.0E	429 FT	NIL	Group of Trees
28/APCH 10/TKOF	TREE	244430.5N 0845757.3E	441 FT	NIL	Group of Trees
28/APCH 10/TKOF	TREE	244421.9N 0845758.6E	437 FT	NIL	Group of Trees
28/APCH 10/TKOF	TREE	244432.9N 0845742.0E	395 FT	NIL	Tree
28/APCH 10/TKOF	TREE	244433.5N 0845745.5E	402 FT	NIL	Tree
28/APCH 10/TKOF	NATURAL HIGHPOINT	244312.9N 0850144.3E	906 FT	NIL	Hill Top
28/TKOF 10/APCH	TREE	244454.4N 0845612.5E	395 FT	NIL	Tree
In circling area and at AD	TREE	244434.3N 0845751.3E	434 FT	NIL	Group of Trees
In circling area and at AD	POLE	244432.9N 0845752.0E	405 FT	NIL	Telephone Pole
In circling area and at AD	TREE	244427.4N 0845732.8E	419 FT	NIL	Tree
In circling area and at AD	NATURAL HIGHPOINT	244420.7N 0850300.8E	1050 FT	NIL	Hill Top
In circling area and at AD	NATURAL HIGHPOINT	244633.9N 0845910.0E	814 FT	NIL	Hill Top
In circling area and at AD	POLE	244613.0N 0845937.5E	907 FT	NIL	Mast on Hill
In circling area and at AD	BUILDING	244613.0N 0845937.5E	843 FT	NIL	Temple on Hill
In circling area and at AD	TREE	244449.8N 0845643.4E	430 FT	NIL	Tree
In circling area and at AD	ANTENNA	244448.6N 0845643.4E	417 FT	NIL	Antenna on ATC
In circling area and at AD	ANTENNA	244447.1N 0845646.1E	422 FT	NIL	W.T Mast
In circling area and at AD	ANTENNA	244447.6N 0845644.2E	417 FT	NIL	W.T Mast
In circling area and at AD	ANTENNA	244448.5N 0845645.4E	420 FT	NIL	W.T Mast
In circling area and at AD	TREE	244444.5N 0845613.4E	390 FT	NIL	Group of Trees

VEGY AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Name of the associated meteorological office	Gaya AD
2	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	Available during AD Hours
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	Patna
4	Availability of the trend forecast for the aerodrome and interval of issuance	NIL
5	Information on how briefing and/or consultation is provided	AS ATS
6	Types of flight documentation supplied and language(s) used in flight documentation	Tabular Form English
7	Charts and other information displayed or available for briefing or consultation	NIL
8	Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images;	NIL
9	The air traffic services unit(s) provided with meteorological information	Gaya ATC and ACS
10	Additional information, e.g. concerning any limitation of service.	Half hourly METAR during ATS HR

VEGY AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations	TRUE Bearings	Dimensions of RWY (M)	Strength of pavement (PCN) and associated data) and surface of runway and associated stopways	Geographical coordinates for threshold and runway end
1	2	3	4	5
10	103.13 DEG	2286 x 45 M	62/F/C/W/T	THR: 244447.60N 0845622.60E
28	283.13 DEG	2286 x 45 M	62/F/C/W/T	THR: 244434.10N 0845739.60E

THR elevation and highest elevation of TDZ of precision APP RWY	Slope of runway and associated stopway	Dimensions of stopway (M)	Dimensions of clearway (M)	Dimensions of strips (M)
6	7	8	9	10
THR: 355.0FT TDZ:				2406 x 150 M
THR: 378.0FT TDZ:				2406 x 150 M

Dimensions of runway end safety areas	Location and description of arresting system (if any)	Existence of an obstacle-free zone	Remarks.
11	12	13	14
90M x 90M			NIL
90M x 90M			NIL

VEGY AD 2.13 DECLARED DISTANCES

RWY Designator	Take-off run available TORA (M)	Take-off distance available TODA (M)	Accelerate distance available ASDA (M)	Landing distance available LDA (M)	Remarks (including runway entry or start point where alternative reduced declared distances have been declared)
1	2	3	4	5	6
10	2286	2286	2286	2286	1:50 (Slope)
28	2286	2286	2286	2210	1:40 (Slope)

VEGY AD 2.14 APPROACH AND RUNWAY LIGHTING

Runway Designator	Type, length and intensity of approach lighting system	Runway threshold lights, colour and wing bars	Type of visual slope indicator system	Length of runway touchdown zone lights
1	2	3	4	5
10	SALS 420 M LIH	Green	PAPI LEFT/3.00 DEG	
28	SALS 300 M ABRIDGED LIH	Green	PAPI LEFT/3.00 DEG	
Length, spacing, colour and intensity of runway centre line lights	Length, spacing, colour and intensity of runway edge lights	Colour of runway end lights and wing bars	Length and colour of stopway lights	Remarks
6	7	8	9	10
	2286 M 60 M White LIH	Red		NIL
	2286 M 60 M White LIH	Red		NIL

VEGY AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any)	ABN	At ATC Tower Building. FLG W&G.EV 2Sec. As ATS HR.
		IBN	NIL
2	Location and lighting (if any) of anemometer/landing direction indicator;	LDI	137 DEG/225 M FM ARP Lighted
		Anemometer	On TWR building, Lighted
3	Taxiway edge and taxiway centre line lights;	Edge	Lighted
		Centre Line	NIL
4	Secondary power supply including switch-over time;	Secondary Power Supply to all lighting at AD. Switch over time 10-12 sec.	
5	Remarks	Apron Edge lights, Isolation Bay edge lights and Link Taxi lights: AVBL	

VEGY AD 2.16 HELICOPTER LANDING AREA

1	Geographical coordinates of the geometric centre of touchdown and lift-off (TLOF) or of each threshold of final approach and take-off (FATO) area	Not established
2	TLOF and/or FATO area elevation:	Not established
3	TLOF and FATO area dimensions to the nearest metre or foot, surface type, bearing strength and marking;	Not established
4	True bearings of FATO;	Not established
5	Declared distances available	Not established
6	Approach and FATO lighting;	Not established
7	Remarks	Not established

VEGY AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

1	Airspace designation, geographical coordinates and lateral limits	CTR: Area bounded by lines joining points 250702N 0851452E; 244802N 0852822E then along the clockwise arc of a circle of 30NM radius centred on DVOR GGC (244431N 0845638E) to 251202N 0844458E then along the counter clockwise arc of a circle of 30NM radius centred on DVOR PPT (253526N 0850524E) to point of origin.
2	Vertical limits	FL 105
3	Airspace classification	D
4	Call sign and language(s) of the air traffic services unit providing service;	Gaya TWR, English
5	Transition altitude	4000 FT
6	Hours of applicability	
7	Remarks	SMC, TWR and APP services provided by GAYA Tower

VEGY AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	2	3	4
TWR	Gaya TWR	118.450 MHZ	
ATIS	Gaya Information	127.050 MHZ	
ALRS	Emergency Frequency	121.500 MHZ	

Logon address, as appropriate	Hours of operation	Remarks
5	6	7
	As ATS	SMC, TWR APP COMBINED
	AS ATS	NIL
	AS ATS	Only for monitoring

VEGY AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aids, magnetic variation and type of supported operation for ILS/MLS, basic GNSS, SBAS and GBAS, and for VOR/ILS/MLS station used for technical lineup of the aid	Identification	Frequency(ies), Channel number(s), Service provider, and reference path identifier(s) (RPI), as appropriate	Hours of operation, as appropriate;
1	2	3	4
LOC 28	IGYA	109.300 MHz	As ATS
GP 28		332.000 MHz	As ATS
DME ILS 28	IGYA	CH30X	As ATS
DVOR/DME	GGC	115.000 MHz CH97X	H24

Geographical coordinates of the position of the transmitting antenna	Elevation of transmitting antenna of DME/ elevation of GBAS reference point	Service volume radius from the GBAS reference point	Remarks
5	6	7	8
244449.0N 0845616.8E			
244429.2N 0845727.5E			
244429.2N 0845727.5E			Co-located with GP
244430.8N 0845637.9E	404 FT		

VEGY AD 2.20 LOCAL AERODROME REGULATIONS

NIL

VEGY AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VEGY AD 2.22 FLIGHT PROCEDURES

NIL

VEGY AD 2.23 ADDITIONAL INFORMATION

1. Night landing facility AVBL
2. Mandatory and informative Signage in operational area are available.
3. Aviation obstruction lights on DVOR building, LLZ building, GP building, Fire station are available
4. Solar powered Aviation obstruction lights on the 5 hills around Gaya airport
 - i. Brahamjoni hill
 - ii. Ramshila hill
 - iii. Pretshilla hill
 - iv. Ladpur hill
 - v. Dungeshwari hill
5. Coordinates of parking stands as follows.
 - i. Stand number 1. 244452.7876N 0845638.4056E with aerobridge facility
 - ii. Stand number 2. 244453.2727N 0845636.2683E with aerobridge facility
 - iii. Stand number 3. 244453.5886N 0845634.5422E with aerobridge facility
5. PCN for Turn Pad RWY 28: 64 F/C/W/T.

VEGY AD 2.24 CHARTS RELATED TO AN AERODROME

1. ILS Procedure RWY 28.
2. VOR (Z) Procedure RWY 10
3. VOR Procedure RWY 28.

INSTRUMENT
APPROACH
CHART

AERODROME ELEV 380ft.
HEIGHTS RELATED TO
THR RWY 28-ELEV 378ft

APP.123.5
TWR.118.45

GAYA (VEGY)
INDIA
ILS RWY28

84°40'E

84°40'

85°00'

85°10'

85°20'

25°
00' N

24°
50'

24°
40'

24°
30'

25°
00' N

24°
50'

24°
40'

24°
30'

All radials and distances are from VOR (115.0 GGC)
unless otherwise specified.
BEARING ARE MAGNETIC.
ALTITUDE,ELEVATIONS AND HEIGHTS IN FEET.
VAR 0°20' W 2010

DME REQUIRED

PANCHANPUR
AERODROME

LOC 109.3
IGYA

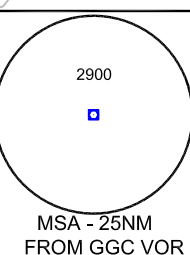
Speed restricted to 170Kt IAS
max for procedure via DME
arc prior to crossing lead
radial.

NOTE: ATC MAY CLEAR WITHIN
AERODROME CONTROL ZONE AN
AIRCRAFT ESTABLISHED ON ANY
RADIAL OTHER THAN THE
PROMULGATED RADIAL TO JOIN
14D ARC PROCEDURE AT OR
ABOVE 2900 FT

GP In-Operative procedure

FAF 7.3D(IGYA)
Altitude at FAF 2700ft
Descent Gradient 5.24%
MAPt. 1D(IGYA)

VOR/DME 115.0
GGC
24° 44' 30.8" N
84° 56' 37.9" E



SCALE
1 0 1 2 3 4 NM

Transition Altitude 4000

MISSED APPROACH

Climb straight ahead to 2900ft.
turn RIGHT to join VOR hold
or as instructed by ATC.

ILS RDH 50

THR ELEV. 378

NAUTICAL MILES FROM THR RWY 28

O. C. A. (H)			Distance /Altitude information						
CATEGORY OF AIRCRAFT	A/B	C/D	Distance(NM)	7.3D	6D	5D	4D	3D	2D
STRAIGHT-IN	640(262)	640(262)	Altitude (ft.)	2700	2290	1970	1650	1330	1010
VISUAL CIRCLING	1210(830)	1520(1140)	Ground Speed/Rate of Descent Information:						
G.P.INOPERATIVE PROCEDURE			FOR G.P.INOPERATIVE PROCEDURE						
STRAIGHT-IN	780(402)	780(402)	Ground speed (kt.)	80	100	120	140	160	180
VISUAL CIRCLING	1210(830)	1520(1140)	Rate of descent (ft/min)	420	525	630	735	845	950

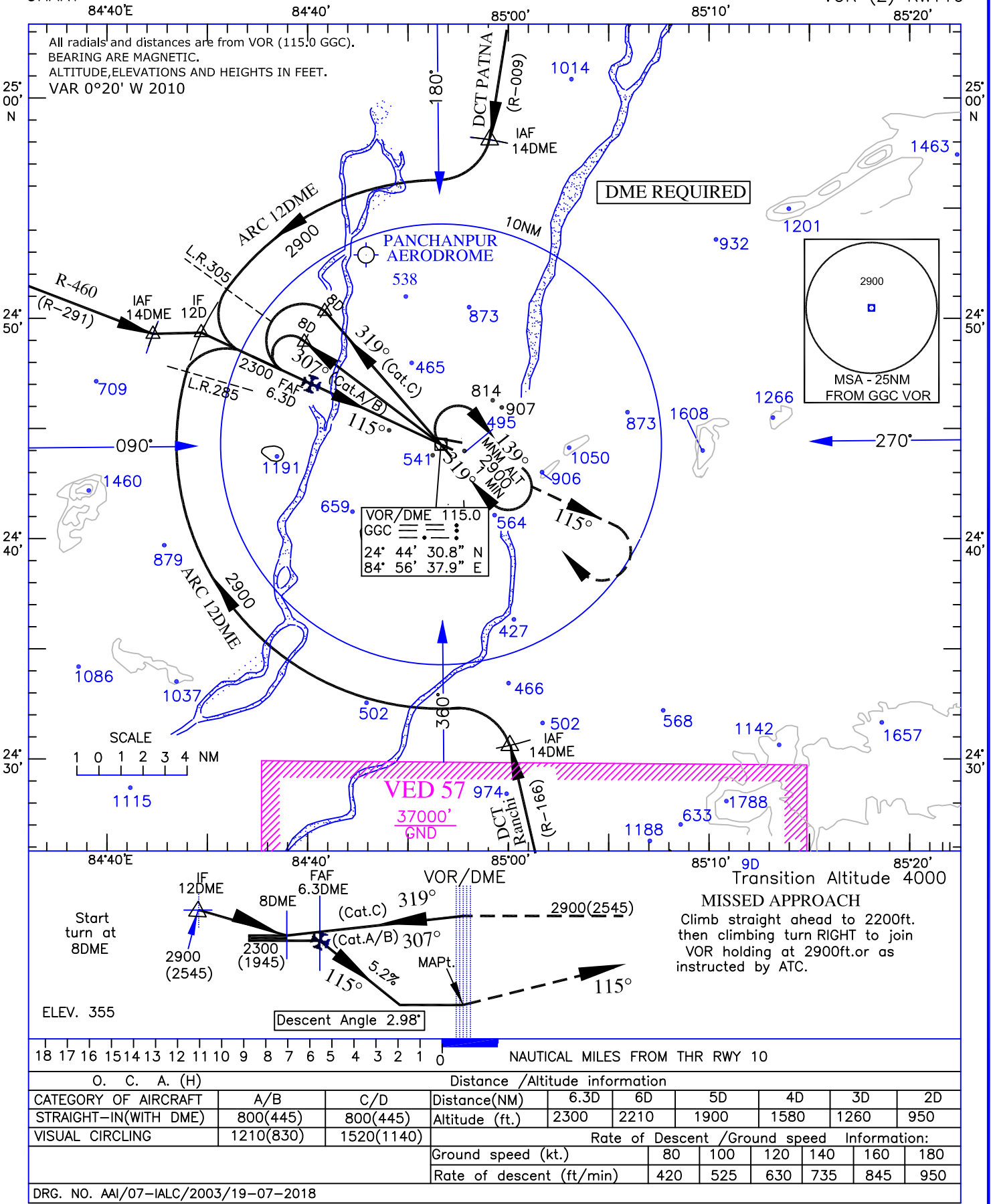
DRG. NO. AAI/16-IALC/09/19-07-2018

INSTRUMENT
APPROACH
CHART

AERODROME ELEV 380ft.
HEIGHTS RELATED TO
THR RWY 10-ELEV 355ft

APP.123.5
TWR.118.45

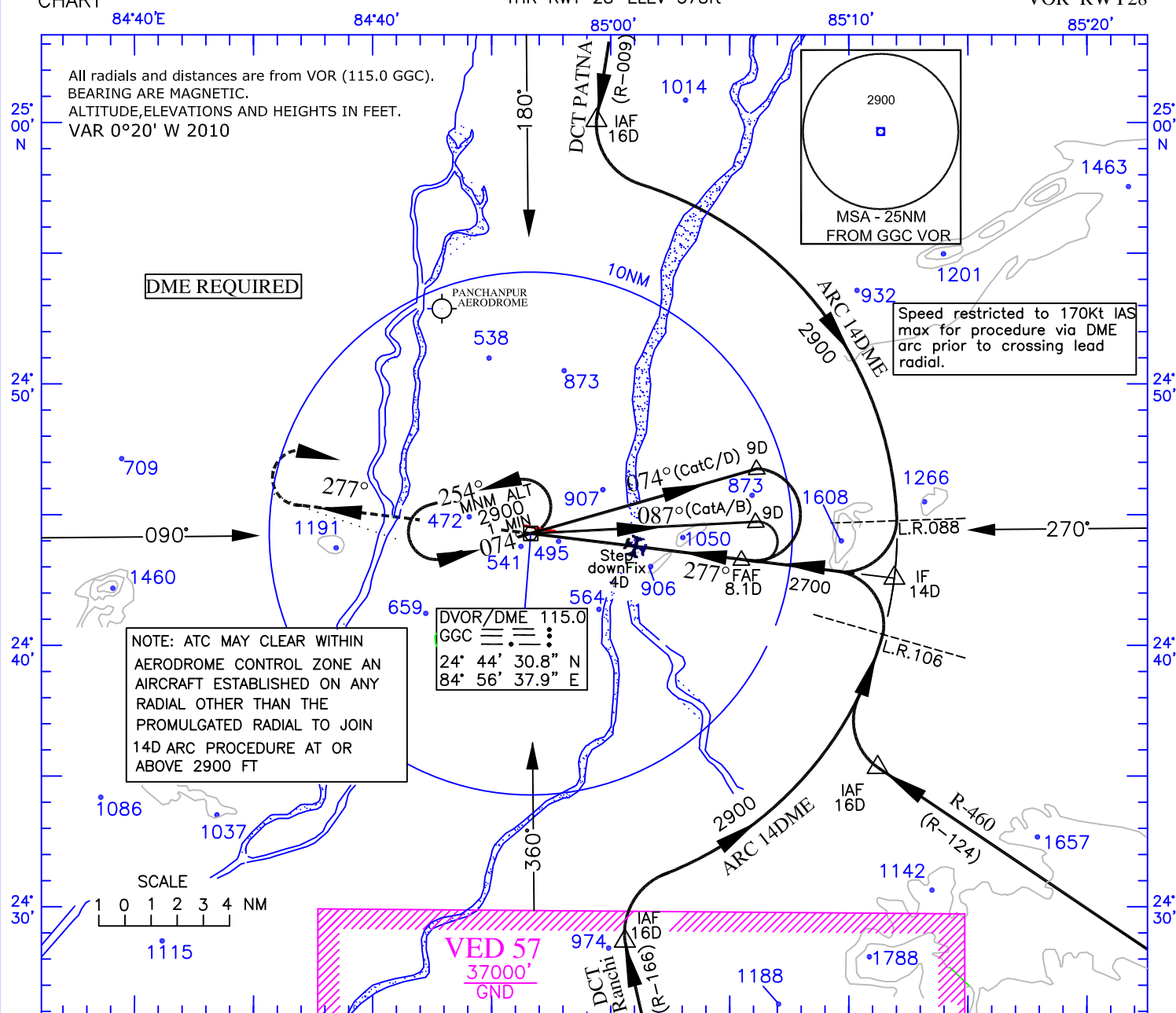
GAYA (VEGY)
INDIA
VOR (Z) RWY10



AERODROME ELEV 380ft.
HEIGHTS RELATED TO
THR RWY 28-ELEV 378ft

APP.123.5
TWR.118.45

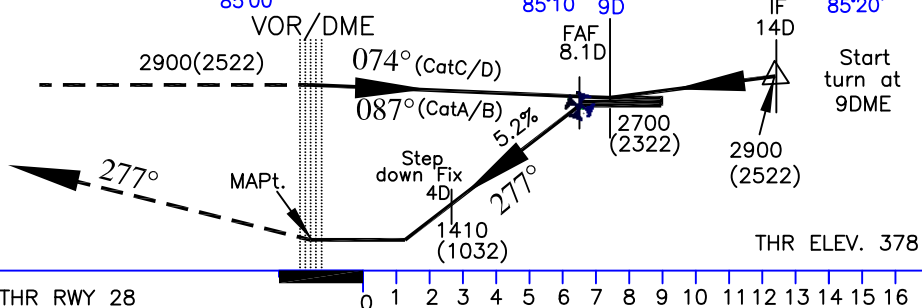
GAYA (VEGY)
INDIA
VOR RWY28



Transition Altitude 4000

MISSED APPROACH

Climb straight ahead to 2900ft.
turn RIGHT to join VOR hold
or as instructed by ATC.



O. C. A. (H)			Distance /Altitude information							
CATEGORY OF AIRCRAFT	A/B	C/D	Distance(NM)	8D	7D	6D	5D	4D	3D	
STRAIGHT-IN	790(410)	790(410)	Altitude (ft.)	2680	2360	2050	1730	1410	1100	
VISUAL CIRCLING	1210(830)	1520(1140)	Ground Speed/Rate of Descent Information:							
			Distance from FAF to MAPt-8.1D, Altitude at FAF-2700ft							
			Ground speed (kt.)		80	100	120	140	160	180
			Rate of descent (ft/min)		420	525	630	735	845	950

DRG. NO. AAI/08-IALC/2007/19-07-2018