

AD 2. AERODROMES**VEGT 2.1 AERODROME LOCATION INDICATOR AND NAME****VEGT-GUWAHATI / INTERNATIONAL****VEGT AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1.	ARP coordinates and site at AD	260617.8N 0913507.7E,280°/195m from ATC tower.
2.	Direction and distance from (city)	242°,18km from Guwahati Railway station.
3.	Elevation/Reference temperature	49.21M(162FT)/32°C
4.	MAG VAR/Annual change	0.5°W(1985)/
5.	AD Administration, AD Address, telephone, Telefax, telex, AFS	Airports Authority of India, Lokapriya Gopinath Bordoloi International Airport, Guwahati-781015
		Tel 0361-2841909
		Fax 0361-2840406
		Telex Nil
	AFS	VEGTYHYX.
6.	Types of traffic permitted (IFR/VFR)	IFR/VFR
7.	Remarks	DGCA License no. AL/Public/015

VEGT AD 2.3 OPERATIONAL HOURS

1.	AD Administration	MON-FRI :0330-1130(0900-1700) SAT,SUN+HOL: NIL
2.	Custom and immigration	O/R with 24HR PN to administration.
3.	Health and sanitation	Nil
4.	ATS Briefing office	As ATS
5.	ATS Reporting Office(ARO)	As ATS
6.	MET Briefing office	As ATS
7.	ATS	Consult NOTAM for current ATS HR.
8.	Fuelling	As ATS
9.	Handling	As ATS
10.	Security	As ATS
11.	De-icing	Nil
12.	Remarks	Outside of ATS hours services are available O/R with 24 HR PN to AD.

VEGT AD 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	50 tones per day.
2.	Fuel/oil types	Jet A1, MJO - II
3.	Fuelling facilities/capacity	ATF/JET A1: -4BOWSER 64000LTRS. 2BOWSER 22000LTRS. 1BOWSER 6000LTRS. (EACH @750LTRS/MIN) STORAGE: - 4X200 KLTRS.
4.	De-icing facilities	Nil
5.	Hanger space for visiting aircraft	Nil
6.	Repair facilities for visiting aircraft	Nil
7.	Remarks	Nil

VEGT AD 2.5 PASSENGER FACILITIES

1.	Hotels	In the city.
2.	Restaurants	At AD and in the city.
3.	Transportation	Taxis
4.	Medical Facilities	First aid at AD. Hospitals in the city.
5.	Bank and post office	Near AD & in City
6.	Tourist office	At AD.
7.	Remarks	Nil

VEGT AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	AD category for fire fighting	During ATS HR : CAT-7
2.	Rescue equipment	Available as per category.
3.	Capability for removal of disabled aircraft	Local arrangements available as per Disabled Aircraft Removal Plan
4.	Remarks	Nil

VEGT AD 2.7 SEASONAL AVAILABILITY – CLEARING

Nil

VEGT AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	Apron surface and strength	Surface	Concrete
		Strength	---
2.	Taxiway width, surface and strength	Width	Twy E & F width 23M
		Surface	TWY E- Concrete, TWY F Bitumen
		Strength	PCN45/R/D/W/T & PCN 70/F/C/1.4Mpa/T
3.	ACL and elevation	Location	Apron
		Elevation	48.8M/160FT
4.	VOR/INS checkpoints	VOR	---
		INS	---
5.	Remarks	Nil	

VEGT AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	Use of aircraft stand ID signs, TWY guidelines and visual docking / parking guidance system of aircraft stands	Taxiing guidance signs at all intersection of TWY and RWY and at holding positions. Guidelines at apron.		
2.	RWY and TWY markings and LGT	RWY	Marked	Designation, THR, TDZ, Centre line, Fixed Distance
			Lighted	THR, Edge, RWY End
		TWY	Marked	Centre line, Holding position at all TWY
			Lighted	Edge
3.	Stop bars	Nil		
4.	Remarks	To prevent damage to Rwy surface. Acft not to make Pivotal turn on Rwy and make 180 Deg turn at Dumbell only.		

VEGT AD 2.10 AERODROME OBSTACLES

In approach /TKOF areas			In circling area and at AD		Remarks
1.			2.		
Obstacle type Elevation RWY/Area affected Marking/LGT Coordinates			Obstacle type Elevation Marking/LGT Coordinates		
a	b	c	a	b	
1. APCH20 TKOF02	LLZ HUT 53.7M/176FT	260711.6N 0913526.4E			
2.	TREE 57.3M/188FT	260711.4N 0913526.4E			
3. APCH02 TKOF20	SECURITY ROOM 53.4M/175FT	260534.5N 0913446.7E			
4.	TREE 56M/184FT	260534.6N 0913446.9E			
5.	WATER TANK 52.2M/171FT	260534.7N 913446.3E			
6.	MOBILE ROAD TRAFFIC 53.8M/177FT	260535.8N 0913444.5E			
7.	GP OF TREES 68.8M/226FT	260523.5N 0913438.5E			
8.	GP OF TREES 67M/220FT	260526.6N 0913434.7E			
9.	GP OF TREES 76.2M/250FT	260505.2N 0913428.8E			
10.	GP OF TREES 70.9M/233FT	260522.8N 0913443.3E			
11.	GP OF TREES 68.9M/226FT	260518.0N 0913429.6E			
12.	GP OF TREES 67.9M/223FT	260512.2N 0913434.9E			
13.	GP OF TREES 69.2M/227FT	260513.3N 0913428.4E			

VEGT AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET office	Guwahati
2.	Hours of service Met office outside hours	H24 ---
3.	Office responsible for TAF preparation Periods of validity	Guwahati 9HR
4.	Types of landing forecast Interval of issuance	Trend 30MIN
5.	Briefing / consultation provided	Provided
6.	Flight documentation Language(s) use	Tabular Form English
7.	Charts and other information available For briefing or consultation	S,U85,U70,U50,U30,U20
8.	Supplementary equipment available for Providing information	Telex, Telefax, Satellite Display Work Station Wx Radar.
9.	ATS units provided with information	Guwahati ATC and ACS.

10.	AD Additional information (limitation of service, etc.)	WX Radar avbl. Btn 0000-1630 & 2230-2400 DLY.
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VEGT AD 2.12 RUNWAY PHYSICAL CHARACTERSTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
02	022°00'GEO 023°00'MAG	2743X45.7 M	PCN 65/F/C/1.40 MPa/T	260541.6N 0913447.3E	THR 49.3M
20	202°00'GEO 203°00'MAG	2743X45.7 M	PCN 65/F/C/1.40 MPa/T	260702.9N 0913525.4E	THR49.3M
Slope of RWY- SWY	SWY dimensions (M)	CWY dimensi ons (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
---	---	---	2865X150	---	---
---	---	---	2865X150	---	

VEGT AD 2.13 DECLARED DISTANCES

RWY Designation	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
02	2743	2743	2743	2743	Nil
20	2743	2743	2743	2743	Nil

VEGT AD 2.14 APPROACH AND RUNWAY LIGHTING

Designa tions RWY	APCH LGT TYPE LEN INTST	THR LGT COLOUR WBAR	VASIS (MEHT) PAPI	TDZ,LGT LEN	RWY Centerline, LGT Length Spacing Color,INTST	RWY Edge LGT, LEN Spacing Color,INTST
1	2	3	4	5	6	7
02	ABRI DGED SALS 180M	Green	PAPI Left/ 3.25°	---	---	2743M 60M White, LIH
20	SALS 210M	Green	PAPI Left/ 3°	---	---	2743M 60M White ,LIH

RWY END LGT COLOR WBAR	SWY LGT LEN(M) Colour	Remarks
8	9	10
Red	---	---
Red	---	---

VEGT AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN/IBN location, characteristics and Hours of operation	ABN	At Tower Building, FLG W&G EV2SEC. As ATS HR
		IBN	NIL
2.	LDI location and LGT Anemometer location and LGT	LDI	100M SW OF ATC TOWER.
		Anemometer	On tower building lighted
3.	TWY edge and centre line lighting	Edge	All TWY.
		Centre line	---
4.	Secondary power supply/switch-over Time	Secondary Power supply to all lighting at AD. Switch-over time : 15 SEC.	
5.	Remarks	NIL	

VEGT AD 2.16 HELICOPTER LANDING AREA

Not established.

VEGT AD 2.17 ATS AIRSPACE

1.	Designation and lateral limits	Guwahati CTR Area Bounded By 262701.8N0921448.3E,262701.9N 0922348.3E, 262201.9N 0915948.5E, 253502.0N 0922948.3E, 253501.9N 0905949.0E,262701.6N0905948.9E, 262701.8N 0921448.3E.
2.	Vertical limits	GND TO FL80
3.	Airspace classification	D
4.	ATS unit call sign Language(s)	Guwahati Tower English
5.	Transition altitude	7000 FT AMSL.
6.	Remarks	Aircraft operating VFR between VEGT to VEAC (Shillong) / South sector must follow via Dispur to avoid Approach funnel of RWY 02. All aircraft operating in VEGT FIR/TMA should keep transponder on.

VEGT AD 2.18 ATS COMMUNICATION FACILITIES

Service Designator	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5

SMC	Guwahati Ground	121.9MHz	AS ATS	SDBY Frequency
TWR	Guwahati Tower	118.75MHz	AS ATS	
TAR	Guwahati Radar	123.3MHz	AS ATS	
ACC	Guwahati Control	120.5MHz	AS ATS	
RSR	Guwahati Radar	123.9MHz	AS ATS	
		120.5MHz		
Search and Rescue	Guwahati	123.1MHz	AS ATS	SDBY Frequency
ATIS	Guwahati Information	126.6MHz	AS ATS	EMER FRQ 121.5MHz

VEGT AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid CAT of ILS/MLS (For VOR/ILS/ MLS, give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME trans- mitting antenna	Remark
1	2	3	4	5	6	7
NDB	GT	360KHz	AS ATS	260631.8N 0913609.6E	---	---
DVOR	GGT	117.6MHz	AS ATS	260608.8N 0913506.7E	188FT	---
DME	--	1210/ 1147MHz	AS ATS	260608.8N 0913506.7E	---	COLOCATED WITH DVOR
LLZ02 ILS CAT-I	IGHT	110.3MHz	AS ATS	260710.8N 0913529.6E	205FT	
GP 02	--	335.0MHz	AS ATS	260547.8N 0913454.7E	---	3.25°, RDH/51FT
ILS DME02	IGHT	1064/1001 MHz	AS ATS	260547.8N 0913454.7E	---	COLOCATED WITH GP 02
LO	GH	401KHz	AS ATS	260216.8N 0913312.7E	---	Colocated WITH LO "GH"
OM	---	75MHz	---	260216.8N 0913312.7E	---	---
MM	---	75MHz	---	260504.2N 0913430.0E	-----	----

VEGT AD 2.20 LOCAL TRAFFIC REGULATIONS

All helicopters from RANGIA to GUWAHATI to route as follows :-

RANGIA – 209 Deg 12.5 NM – ALPHA – 180 Deg 8.7 NM – BRAVO – 090 Deg 5 NM – GGT
GUWAHATI

VEGT AD 2.21 NOISE ABATEMENT PROCEDURES

VEGT AD 2.22 FLIGHT PROCEDURES

1. GENERAL

- (a) Radar vectoring shall be provided to intercept final approach track prior to 12 NM from touch down at 3500FT. Final approach track for ILS and VOR DME procedure is 023° M and 026° M (R 206) respectively.
- (b) Radar service shall be terminated when aircraft is established on final approach track and not earlier than 11 miles from touch down.
- (c) Radar controller shall give " 20 miles from touch down " position report to the acft.
- (d) When radar vectoring is provided aircraft speed shall be restricted as given below:-
 - (i) 220 Kts. IAS maximum on passing F100.
 - (ii) 185 Kts. IAS maximum when 20 NM from touch down position information is given by radar controller.
- (e) In case of ILS procedure final approach descent shall commence on interception of glide path at 3500FT.
- (f) ILS with Glide path inoperative procedure shall be applicable for aircraft equipped with ILS DME. Aircraft shall leave 3500FT for 2300FT at 12D (ILS DME) after interception of localizer (110.3 GHT) inbound track 023° M.
- (g) In case of VOR DME procedure aircraft shall leave 3500FT for 2300FT at 12D (VOR DME) when established on final approach track 026° M (R-206).
- (h) When being vectored via predetermined tracks aircraft shall arrange the descent profile in such a way, so as to reach 3500FT prior 12NM from touch down on final approach track.

2. RADAR VECTORING PROCEDURES

2.1 ATS Route R472

At 30NM from MSSR aircraft may be descended to 5000FT. At 25NM aircraft shall be radar vectored to fly predetermined track 090° M. On passing 230° M/20NM from MSSR aircraft shall be descended to 3500FT and after crossing 214° M from MSSR given left turn to follow track 065° M to intercept the final approach track.

2.2 ATS Route W45

At 30NM , aircraft shall be given radar vector to fly predetermined track 141° M descending to 6000FT. At 233° M/19 NM from MSSR aircraft shall be given left turn to fly track 090° M as specified for ATS Route R472 descending to 3500FT and thereafter procedure as given in 2.1 for interception of final approach track shall be followed.

2.3 ATS Route W53

At 25NM, aircraft shall be descended to 6000FT. At 18NM aircraft shall be vectored to fly predetermined track 270° M descending to 5000FT. Passing 169° M/13NM from MSSR aircraft shall be given descent to 3500FT and thereafter crossing bearing 195° from MSSR given right turn on heading 340 to intercept the final approach track.

2.4 ATS Route B593

At 25NM aircraft shall be radar vectored to fly predetermined track 325° M descending to 7000FT/ 6000FT/5000FT as appropriate as per minimum vectoring altitudes. At 214 ° M/ 18NM from MSSR aircraft shall be directed to turn right to follow track 065° M as specified for ATS Route R472 and descended to 3500FT to intercept the final approach track.

2.5 ATS Route W51

At 25NM, aircraft shall be radar vectored via predetermined track 220° M descending to 6000FT. At 147 ° M/ 15NM from MSSR aircraft shall be given right turn to follow predetermined track 270° M descending to 5000FT. Thereafter procedure as given in 2.3 for ATS route W53 shall be followed.

2.6 BASIC RADAR CIRCUIT RUNWAY 02.

Aircraft shall be radar vectored from 9NM abeam the MSSR on to predetermined track 205° M for left hand down wind and descended to 6000FT. When on track 205° M aircraft shall be directed to turn left at 233° /18NM from MSSR to follow track 090° M as specified for ATS route R472 descending to 3500FT and thereafter procedure as explained in 2.1 for interception of final approach track of ILS or VOR DME approach shall be followed.

3. Radar controller may, at his discretion, provide radar vectoring when aircraft is within Guwahati TMA for establishing it on the predetermined tracks, provided interception of final approach track takes place prior to 12NM from touch down at 3500FT.

4. RADIO COMMUNICATION FAILURE PROCEDURES.

4.1 If radio communication failure takes place prior to interception of final approach track, aircraft shall maintain the last assigned altitude or 4000FT whichever is higher and proceed to VOR via shortest route and carry out the ILS/VOR DME procedure RWY 02 as appropriate.

4.2 If radio communication failure takes place after interception of final approach track aircraft shall continue ILS/VOR DME approach RWY 02.

NOTE :-

Care has been taken, while designing the procedures, to provide 5NM lateral clearance between the obstacles and the intended position of the aircraft following the procedures prior to commencement of the final approach. Controllers and pilots shall strictly adhere to the laid down procedures.

CANCELLATION: AIP SUPPLEMENT G 033/04

VEGT AD 2.23 ADDITIONAL INFORMATION

I

APRONS

STAND NO.	CO-ORDINATES	REMARKS
1	---	Acft. Upto A321
2	---	Acft. Upto A321
3	---	Acft B738 with winglets
4	---	Acft B738 with winglets
5	---	Acft B738 with winglets
6	---	Acft ATR 72-500.
7	---	Acft ATR 72-500.
8	---	Acft. Upto A321
9	---	Acft. Upto A321

Note :-

1. Stand 1 to be allotted before stand No. 2.
2. Stand No. 3 to 5 to be allotted in sequence or reverse.
3. Stand No. 5 to be allotted for B738 (W) when stands 6 and 7 are vacant.

Aircraft to taxi slow on apron.

II

Btn 1230-0030 UTC next day. Daily Solar power obstacle light (SPOL) functioning on SAJANPARA hill BRG 142.5 Deg Hgt 755FT Dist 2.3 NM from ARP, BARASHILLA Hill BRG 101.5Deg Hgt 712FT Dist 2.5NM from ARP. Obstacle light provided on MIRZA Hill BRG 247.5Deg Hgt748FT Dist2.54NM from ARP, with main Power supply. S/By power supply not avbl.

III

High thrust may affect building in the operational area. Pilots to taxi on low Power.

VEGT AD 2.24 CHARTS RELATED TO AN AERODROME

1. ILS (X) RWY02
2. ILS (Y) RWY 02
3. VOR RWY 02
4. VOR RWY 20
5. Obstacle Chart Type-A RWY 02
6. Obstacle Chart Type-A RWY 20