

**AD 2. AERODROMES****VERC 2.1 AERODROME LOCATION INDICATOR AND NAME****VERC - RANCHI / DOMESTIC****VERC AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1.	ARP coordinates and site at AD	231851.3N 0851915.8E 134.75°/1340M from physical extremity RWY13 .	
2.	Direction and distance from (city)	198°,05KM from Ranchi city.	
3.	Elevation/Reference temperature	654.53M(2148FT)/38°C	
4.	MAG VAR/Annual change	0.75°W(1985)/Negligible.	
5.	AD Administration, AD Address, telephone, Telefax, telex, AFS	Airports Authority of India, Birsamunda Airport, Ranchi-834002.	
		Tele	0651-2508660
		Fax	2508660
		Mobile	09431106570
		Fax	0651-2504993
	AFS	VERCYHYX	
6.	Types of traffic permitted (IFR/VFR)	VFR/IFR	
7.	Remarks	Nil	

**VERC AD 2.3 OPERATIONAL HOURS**

1.	AD Administration	MON-FRI : 0400-1200 (0930-1730IST) SAT,SUN+ HOL : Nil
2.	Custom and immigration	Nil
3.	Health and sanitation	Nil
4.	AIS 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.

**VERC AD 2.4 HANDLING SERVICES AND FACILITIES**

1.	Cargo-handling facilities	Nil
2.	Fuel/oil types	ATF
3.	Fuelling facilities/capacity	47000 Liters, 10 Liters/Sec
4.	De-icing facilities	Nil
5.	Hanger space for visiting aircraft	Nil
6.	Repair facilities for visiting aircraft	Nil
7.	Remarks	Nil

**VERC AD 2.5 PASSENGER FACILITIES**

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

**VERC AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

1.	AD category for fire fighting	CAT-6 within in ATS HR.
2.	Rescue equipment	AVBL. as per category.
3.	Capability for removal of disabled aircraft	Nil
4.	Remarks	Nil

**VERC AD 2.7 SEASONAL AVAILABILITY – CLEARING**

Nil

**VERC AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA**

1.	Apron surface and strength	Surface	Concrete		
		Strength	---		
2.	Taxiway width, surface and strength	TWY	Width	Surface	Strength
		A	15M (49.2FT)	Concrete	---
		B	15M (49.2FT)	Concrete	---
		C	25M (82FT)	Bituminous	---
		D	15M (49.2FT)	Concrete	---
3.	ACL and elevation	E	15M (49.2FT)	Concrete	---
		Location	Nil		
4.	VOR/INS checkpoints	Elevation	---		
		VOR	Nil		
5.	Remarks	INS	Nil		
		Nil			

**VERC 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 provided on R/T. Guidelines at Apron.		
2.	RWY and TWY markings and LGT	RWY	Marked	Designation, THR, TDZ, Centreline, Edge, End
			Lighted	THR, Edge, End.
		TWY	Marked	Centreline, Holding positions at TWY C only.
			Lighted	TWY C, D, Edge.
3.	Stop bars	Nil		
4.	Remarks	Nil		

**VERC AD 2.10 AERODORME OBSTACLES**

In approach /TKOF areas			In circling area and at AD		Remarks
1.			2.		
RWY/Area affected	Obstacle type Elevation Marking/LGT	Coordinates	Obstacle type Elevation Marking/LGT	Coordinates	
a	b	c	a	b	
1.APCH-31 TKOF-13	GP OF TREES 648.9M/2129FT	231837.8N 0851945.1E			
2.	GP OF TREES 641.9M/2106FT	231827.6N 0851943.1E			
3.	GP OF TREES 640M/2100FT	231834.2N 0851946.2E			
4.	GP OF TREES 640.4M/2101FT	231836.9N 0851954.2E			
5.APCH-13 TKOF-31	GP OF TREES 673.0M/2208FT	231927.8N 0851843.2E			
6.	BOUND. WALL 660.2M/2166FT	231927.9N 0851833.9E			
7.	TELE.POLE 663.4M/2176FT	231928.5N 0851833.3E			
8.	D.SINHA MKT BLD 662.8M/2174FT	231928.9N 0851833.7E			
9.	JD AUTO BLD 664.3M/2179FT	231928.4N 0851833.0E			
10.	POWER LINE 664.3M/2179FT	231928.2N 0851833.0E			
11.	MOB.RD.TFC 663.6M/2177FT	231928.2N 0851833.6E			
12.	BLD. WT TOP 668.3M/2192FT	231921.2N 0851826.1E			
13.	GP OF TREES 670M/2198FT	231929.0N 0851835.4E		---	
14.	LLZ HUT 661.4M/2170FT	231925.8N 0851833.3E			
15.	POWER LINE 664.3M/2179FT	231927.6N 0851831.8E			
16.	TELE.LINE 664.3M/2179FT	231926.6N 0851830.2E			
17.	GP OF TREES 677.3M/2189FT	231929.2N 0851824.4E			
18.	GP OF TREES 670.9M/2201FT	231930.1N 0851840.1E			
19.	LLZ ANTENNA 661.1M/2169FT	231727.2N 0851834.9E			
20.	GP OF TREES 673.1M/2208FT	231926.6N 0851831.2E			
21.	GP OF TREES 670.5M/2200FT	231919.7N 0851835.7E			

**VERC AD 2.10 AERODORME OBSTACLES**

In approach /TKOF areas			In circling area and at AD		Remarks
1.			2.		
RWY/Area affected	Obstacle type Elevation Marking/LGT	Coordinates	Obstacle type Elevation Marking/LGT	Coordinates	
a	b	c	a	b	
22. APCH-13 TKOF-31	BLDG 669.6M/2197FT	231925.9N 0851827.2E			
23.	BLDG 667.7M/2190FT	231927.6N 0851828.9E		---	
24.	BLDG 667.8M/2191FT	231926.9N 0851829.3E			
25.	BLDG 669.3M/2196FT	231927.9N 0851828.8E			
26.	BLDG 666.3M/2186FT	231927.5N 0851830.7E			

**VERC AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

1.	Associated MET office	Ranchi
2.	Hours of service Met office outside hours	H24 ---
3.	Office responsible for TAF preparation Periods of validity	Patna (03-12, 06-15, 09-18, 12-21) Kolkata (00-09), 9HR
4.	Types of landing forecast Interval of issuance	Nil
5.	Briefing / consultation provided	Nil
6.	Flight documentation Language(s) use	Tabular form English
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	Ranchi ATC and ACS
10.	AD Additional information (limitation of service, etc.)	Nil

**VERC AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

Designations RWY NR	TRUE & MAG BRG	Dimension s 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
13	130°45'GEO 131° 30'MAG	2713X45	45 F/C/X/T Bitumen	231915.5N 0851849.8E	THR652.5M/2141FT
31	310°45'GEO 311°30'MAG	2713X45	45 F/C/X/T Bitumen	231824.1N 0851954.2E	THR632.6M/2075FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.79 %	---	---	2833X150	---	---
0.79 %	---	---	2833X150	---	---

**VERC AD 2.13 DECLARED DISTANCES**

RWY Designation	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
13	2713	2713	2713	2424	289M displaced THR.
31	2713	2713	2713	2713	----

**VERC AD 2.14 APPROACH AND RUNWAY LIGHTING**

Designations 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
13	SALS 360M LIH	Green	PAPI Left/3°	---	---	2720M 60M White, LIH
31	SALS 360M LIH	Green	PAPI Left/3°	---	---	2720M 60M White, LIH
RWY END LGT COLOUR WBAR	SWY LGT LEN (M) Colour	Remarks				
8	9	10				
Red	---	---				
Red	---	---				

**VERC 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	500M N of ARP, Unlighted:
		Anemometer	Available, Unlighted
3.	TWY edge and center line lighting	Edge	Twy C and D.
		Center line	---
4.	Secondary power supply/switch-over	Secondary Power supply to all lighting at AD.	

	Time	Switch-over time :10 SEC.
5.	Remarks	NIL

**VERC AD 2.16 HELICOPTER LANDING AREA**

Not Established

**VERC AD 2.17 ATS AIRSPACE**

1.	Designation and lateral limits	RanchiCTR : A circle radius 46.3KM (25NM) Centred at 231901.3N 0851918.8E NDB"RC".
2.	Vertical limits	SFC to FL100
3.	Airspace classification	D
4.	ATS unit call sign Language(s)	Ranchi Tower English
5.	Transition altitude	6000 FT MSL
6.	Remarks	Nil

**VERC AD 2.18 ATS COMMUNICATION FACILITIES**

Service Designator	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Ranchi Tower	122.300MHz	As ATS HR	SMC , TWR and APP services combined.

**VERC 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	Remarks
1	2	3	4	5	6	7
DVOR	RRC	116.9MHz	As ATS	231831.3N 0851935.8E	---	---
VOR DME	RRC	1140/1203 MHz	As ATS	231831.3N 0851935.8E	2135FT	Collocated with VOR
NDB	RC	285KHz	As ATS	231901.3N 0851918.8E	---	---
LLZ31 ILS CAT-I	IRAN	110.5MHz	As ATS	231927.2N 0851834.8E	---	---
GP31	---	329.6MHz	As ATS	231831.9N 0851957.5E	---	3°,RDH/50F T
ILS DME(LP)	IRAN	1066/1003 MHz	As ATS	231831.9N 0851957.5E	2128FT	Collocated with GP31

**VERCAD 2.20 LOCAL TRAFFIC REGULATIONS**

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**VERC AD 2.21 NOISE ABATEMENT PROCEDURES**

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**VERC AD 2.22 FLIGHT PROCEDURES**

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**VERC AD 2.23 ADDITIONAL INFORMATION**

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**VERC AD 2.24 CHARTS RELATED TO AN AERODROME**

1. ILS RWY 31
2. VOR (X) RWY 31
3. VOR (Y) RWY 31
4. NDB RWY 31
5. VOR (X) RWY 13
6. VOR (Y) RWY 13
7. NDB RWY 13