

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

1.	ARP coordinates and site at AD	133759.1N 0793230.5E 259.5°/160M From intersection of RWY & TWY.
2.	Direction and distance from (city)	090°/14KM from Tirupati.
3.	Elevation/Reference temperature	106.75M(350FT)/42°C
4.	MAG VAR/Annual change	2.0°W(1985)/Nil
5.	AD Administration, AD Address, telephone, Telefax, telex, AFS	Airports Authority of India, Tirupati Airport, Renigunta-517520.
		Tele 0877-2275334, 2285421
		Fax 0877-2275338
		AFS VOTPYDYX
	E-Mail ---	
6.	Types of traffic permitted (IFR/VFR)	VFR/IFR
7.	Remarks	Nil

VOTP AD 2.3 OPERATIONAL HOURS

1.	AD Administration	MON-FRI: 0400-1200 (0930-1730 IST) 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	Nil
10.	Security	As ATS
11.	De-icing	Nil
12.	Remarks	Outside of ATS HR services are available O/R with 24 HR PN to AD.

VOTP AD 2.4 HANDLING SERVICES AND FACILITIES

1.	Cargo-handling facilities	Nil
2.	Fuel/oil types	ATF,JET A1
3.	Fuelling facilities/capacity	2 Bowser/60,000 Litres , 10 Litres/ Sec.
4.	De-icing facilities	Nil
5.	Hanger space for visiting aircraft	Nil
6.	Repair facilities for visiting aircraft	Nil
7.	Remarks	Nil

VOTP AD 2.5 PASSENGER FACILITIES

1.	Hotels	In the city.
2.	Restaurants	In the city
3.	Transportation	Taxi & Car hire from AD
4.	Medical Facilities	First AID at AD. Hospital in the city.
5.	Bank and post office	Nil
6.	Tourist office	Nil
7.	Remarks	Nil

VOTP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	AD category for fire fighting	Within ATS HR, CAT-6
2.	Rescue equipment	AVBL as per category.
3.	Capability for removal of disabled aircraft	Nil
4.	Remarks	24 HR PN for Non-Sked Operations.

VOTP AD 2.7 SEASONAL AVAILABILITY – CLEARING

Nil

VOTP AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	Apron surface and strength	Surface	BITUMEN
		Strength	31F/C/Y/U
2.	Taxiway width, surface and strength	Width	23M
		Surface	BITUMEN
3.	ACL and elevation	Strength	31F/C/Y/U
		Location	AT Apron
4.	VOR/INS checkpoints	Elevation	102.5M/336FT
		VOR	Taxi Holding Position VOR 115.7MHz, 103DEG /0.3NM
5.	Remarks	INS	Nil
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VOTP 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. Nose-in Guidance at aircraft stands.		
2.	RWY and TWY markings and LGT	RWY	Marked	Marked as appropriate.
			Lighted	
3.	Stop bars	TWY	Marked	Marked as appropriate
			Lighted	
4.	Remarks	---		

VOTP AD 2.10 AERODORME OBSTACLES

In approach /TKOF areas			In circling area and at AD		Remarks
1.			2.		
RWY affected area	Obstacle type elevation Marking/LGT	Coordinates	Obstacle type elevation marking/LGT	Coordinates	3.
A	b	c	a	b	
APCH-08 TKOF-26	1. TREE 108.2M/355FT	133753.7N 0793155.6E	1. HILL 685M/2247FT	134300.0N 0793355.8E	
	2. TREE 117.2M/384FT	133751.0N 0793140.6E	2. HILL 605M/1985FT	134232.4N 0793436.8E	
			3. HILL 841M/2759FT	133711.4N 0793854.2E	
			4. SOLAR LGT 856M/2808FT	133657.6N 0794403.5E	
			5. HILL 1044M/3425FT	133059.2N 0793735.6E	
			6. HILL 888M/2913FT	133121.9N 0793529.6E	
			7. HILL 733M/2405FT	133156.8N 0793401.3E	
			8. HILL 754M/2474FT	133140.5N 0792735.5E	
			9. HILL 303M/994FT	134228.4N 0792950.1E	
			10. HILL 827M/2713FT	133530.8N 0793932.0E	
			11. HILL 402M/1319FT	134015.2N 0792838.7E	
			12. HILL 580M/1903FT	134016.7N 0792636.2E	
			13. HILL 211M/692FT	134043.8N 0793145.5E	
			14. HILL 990M/3248FT	133914.6N 0792143.6E	
			15. TV TOWER ONHILL 1239M/4065FT	134114.6N 0791923.2E	
			16. HILL 816M/2677FT	134000.8N 0792345.6E	

VOTP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET office	Tirupati
2.	Hours of service Met office outside hours	As ATS ---
3.	Office responsible for TAF preparation Periods of validity	Hyderabad 9 HRS (00-09, 03-12,06-15,09-18)
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	Hyderabad ATC and ACS.
10.	AD Additional information (limitation of service, etc.)	Document provided O/R.

VOTP AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

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
08	081°32'GEO 083°45'MAG	2286X45M	31F/C/Y/U BITUMEN	133752.3N 0793158.9E	THR106.8M/ 350FT
26	261°32'GEO 263°45'MAG	2286X45M	31F/C/Y/U BITUMEN	133803.3N 0793314.6E	THR101.1M/ 332FT
Slope of RWY- SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.25%	60X45	---	2526X150	---	---
-0.25%	60X45	---	2526X150	---	---

VOTP AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
08	2286	2286	2346	2286	----
26	2286	2286	2346	2286	----

VOTP AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designations	APCH LGT Type Len INTST	THR LGT Color 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
08	SALS 420 LIH	Green	PAPI LEFT 3°	Nil	Nil	2286M 60M White LIH
26	SALS 420 LIH	Green	PAPI LEFT 3°	Nil	Nil	2286M 60M White LIH

RWY END LGT Color WBAR	SWY LGT, LEN (M) Colour	Remarks
8	9	10
Red	Nil	Nil
Red	Nil	Nil

VOTP AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN/IBN location, characteristics and Hours of operation	ABN	TOWER BLDG. HO- AS ATS
		IBN	---
2.	LDI location and LGT Anemometer location and LGT	LDI	390 M E of ARP, Unlighted.
		Anemometer	---
3.	TWY edge and centerline lighting	Edge	AVBL.
		Centre line	---
4.	Secondary power supply/switch-over Time	Secondary power supply to all lighting at AD. Switch-over time : 15 SEC.	
5.	Remarks	The circling guidance lighting system installed and commissioned at both RWYs 08& 26	

VOTP AD 2.16 HELICOPTER LANDING AREA

Landing area not established.

VOTP AD 2.17 ATS AIRSPACE

1.	Designation and lateral limits	TIRUPATI CTR: A circle, radius 46.3KM (25NM) Centered DVOR 133805.9N 0793348.8E .
2.	Vertical limits	SFC to FL100
3.	Airspace classification	D
4.	ATS unit call sign Language(s)	Tirupati Tower English
5.	Transition altitude	8000 FT AMSL
6.	Remarks	Nil

VOTP AD 2.18 ATS COMMUNICATION FACILITIES

Service Designator	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	TIRUPATI TWR	119.000MHz	AS ATS	Refer Notam for current hours of operations.

VOTP 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 transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR	TTP	115.7MHz	As ATS	133805.9N 0793348.8E		Relocated along extended centerline RWY26.
DME	TTP	1191/ 1128MHz	As ATS	133805.9N 0793348.8E	107.3M	Colocated with DVOR CH104X

VOTP AD 2.20 LOCAL TRAFFIC REGULATIONS**VOTP AD 2.21 NOISE ABATEMENT PROCEDURE****VOTP AD 2.22 FLIGHT PROCEDURE****VOTP AD 2.23 ADDITIONAL INFORMATION****OBSTACLE LIGHTING**

S.N O.	TYPE OF OBSTACLE	Solar powered obstacle light	BRG. & DIST. FM ARP	Height (FT)	Elevation (FT)	Remarks
1.	Rangasamy Konda Hill	Installed	164.5 DEG 6.4 NM	2396	----	See Note A
2.	Sadasiva Konda Hill	-DO-	145 DEG 9 NM	3413	----	See Note B
3.	Badnaiah Konda Hill	-DO-	101 DEG 8.8 NM	2575	2913	----
4.	Manaadeesula Konda/ Erpedu Hill	-DO-	015 DEG 5.31 NM	1904	2244	----
5.	Ganta Mandapalli/ Tirupati Hill	-DO-	276.5 DEG 10.67 NM	2881	3221	----
6.	Karakambadi Hill	-DO-	297 DEG 4.47 NM	987	1327	----
7.	Thondavada Durgam Sanambatla Hill	-DO-	246 DEG 13.95 NM	2270	2610	----
8.	Gopalagutta Hill	-DO-	085 DEG 7 NM	686	1026	----
9.	Kandadukonda Hill	-DO-	097 DEG 6.42 NM	2435	2775	----
10.	Potha Gunta/ Sudda Kalva Hill	-DO-	123.5 DEG 4.36 NM	614	954	----
11.	Irugulapachalam/ Sudha Kalva Hill	-DO-	149 DEG 4.36 NM	845	1185	----
12.	Kuppuchandra Hill	-DO-	245 DEG 8.47 NM	759	1099	----

Note: A. Lower Limit: GND & Upper Limit: 2396 FT

B. Lower Limit: GND & Upper Limit: 3413 FT

VOTP AD 2.24 CHARTS RELATED TO AN AERODROME

1. VOR RWY 26