

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

VOTV - THIRUVANANTHAPURAM / INTL

VOTV AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	082846N 0765512E Mag Brg 284.5 DEG/358M from intersection of Runway 14/32 and Taxiway B.
2	Direction and distance of aerodrome reference point from the center of the city or town which the aerodrome serves	261 DEG, 06KM from Thiruvananthapuram Railway station
3	Aerodrome elevation and reference temperature	15 FT / 33.0 DEG C
4	Magnetic variation, date of information and annual change	2.50 DEG W (2010) /0.033 DEG E
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)	Airport Director, Airports Authority of India, Thiruvananthapuram Intl. Airport, Thiruvananthapuram -695008., Telephone: +91-471-2500283, +91-471-2702000 (10 Lines) Fax: +91-471-2500428 AFS: VOTVYHYX Email: apdvotv@AAI.AERO
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	NIL

VOTV AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	MON-FRI: 0400-1230 UTC (0930-1800 IST) SAT, SUN+HOL: NIL
2	Custom and immigration	H24
3	Health and sanitation	H24
4	AIS briefing office	H24
5	ATS reporting office (ARO)	H24
6	MET Briefing office	H24
7	Air Traffic Service	H24
8	Fuelling	H24
9	Handling	H24
10	Security	H24
11	De-icing	NIL
12	Remarks	Ground handling facility AVBL with Air India SATS and BHADRA International with PN and coordination

VOTV AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	AVBL with KSIE H24
2	Fuel and Oil types	JET A1 IOCL - JET A1 BPCL -JET A1 HPCL- JET A1

3	Fuelling facilities and capacity	IOC: Static Tank-300 KL (2Nos), 200KL (2 Nos), Total capacity-1000 KL Fuel Bowsers-(8 Nos) (Total capacity-155 KL) Fuel dispensers-2 nos BPCL: Static tank-236 KL (2 nos), 330 KL (1nos), Total capacity-802 KL Fuel bowsers:8 nos (Total capacity-232 KL) HPCL: Static Tank – 70KL (2 Nos) Fuel Bowsers- 4 Nos (Total capacity-64KL)
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	NIL

VOTV AD 2.5 PASSENGER FACILITIES

1	Hotel(s) at or in the vicinity of aerodrome	In the city and opposite Airport Terminals
2	Restaurant(s) at or in the vicinity of aerodrome	At AD and in the city
3	Transportation possibilities	AC Low Floor Buses, Pre-paid Taxis and Car Rentals available at Airport
4	Medical Facilities	First Aid at AD. Hospital in city and opposite Terminal-2
5	Bank and post office at or in the vicinity of aerodrome	Banks: At AD open with AD HR. Post office: At AD open with AD HR.
6	Tourist office	At AD.
7	Remarks	NIL

VOTV AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	Aerodrome category for fire fighting	Within ATS HR: CAT-9
2	Rescue equipment	Available as per category.
3	Capability for removal of disabled aircraft	Tow Tractor and Tow Bars capable of handling A320, A310, A300/A332 and A346, B738, B767/B777 AVBL with Air India & other airlines/ground handling agencies. Details as per Disabled Aircraft Removal Plan
4	Remarks	NIL

VOTV AD 2.7 SEASONAL AVAILABILITY CLEARING

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

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

1	Designation, surface and strength of aprons	Designator: Apron Surface: Concrete Strength: PCN 70/R/C/X/T
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2	Designation, width, surface and strength of taxiways	<p>Designator: A Width: 23 M Surface: Strength: PCN 71/F/B/W/T</p> <p>Designator: B Width: 23 M Surface: Strength: PCN 71/F/B/W/T</p> <p>Designator: C Width: 23 M Surface: Asphalt Strength: PCN 71/F/B/W/T</p> <p>Designator: D Width: 23 M Surface: Concrete Strength: PCN 109/R/C/W/T</p> <p>Designator: E Width: 23 M Surface: Asphalt Strength: PCN 45/F/B/X/T</p> <p>Designator: F Width: 23 M Surface: Concrete Strength: PCN 109/R/C/W/T</p>
3	Location and elevation of altimeter checkpoints	Location At all parking stands Elevation 14FT
4	Location of VOR checkpoints	TWY B RWY holding position
5	Position of INS checkpoints	All parking stands
6	Remarks	<p>1. Non-scheduled flights intending to make night halt to take permission from AAI due to shortage of parking space</p> <p>2. TWY C: For Acft upto wingspan of 52M TWY D: For Flying club/NCC Acfts.1903M from beginning of RWY 32 shoulder 10.5 M, length 231M TWY E: Used only for Taxing to Isolated Parking Position. TWY F: 1620m from beginning of RWY 32, shoulder 10.5 M & length 231M</p> <p>3. New Isolated Aircraft Parking Position (IAPP) commissioned with following details: i. Location : East of TWY E. ii. Coordinates : 082842.75N 0765537.74E iii. PCN : 108R/C/W/T iv. Aircraft Suitability : Suitable for aircraft upto Code- E. v. Entry to the Isolated Aircraft Parking Position is via TWY E. vi. Aircraft To park facing East on Isolated Aircraft Parking Position. vii. Remote bay with Power In Push Back.</p>

VOTV 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	Aircraft Stand ID Signage with Coordinates provided at Stand Nos. 5, 6, 23, 24, 25, 26, 27, 28, 43, 44, 44A, 45, 45A. RWY Exit Signage placed on all RWY exit taxiways. RWY Vacated Sign with TWY Location Sign placed on all Runway Exit Taxiways. RWY Vacated Sign with TWY Location Sign placed on all Runway Exit Taxiways. TWY Location/Destination signages at all the RWY/TWY and TXY/TWY intersections and Mandatory Signage with Location Sign placed at all holding position. Nose in/out Guidelines from Taxiway to Parking Stands provided at all aircraft stands. VDGS provided at Stand Nos.5,6,24,25 & 26.
2	Runway and taxiway markings and lights	RWY Markings: Aiming point, TDZ, THR Designation, Centreline, Edge. Lights: Edge, End, THR, Wing bar TWY Marking: Centreline, Edge, Holding Positions, Transverse Strips, On TWY/RWY curves Lights: Edge, RWY GUARD LGT ON TWY- A, B, C, D and F
3	Stop bars (if any)	NIL
4	Remarks	RWY Guard light available on TWY A, B, C, P1, P2, P3, P4 and P5

VOTV 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
32/TKOF 14/APCH	TREE	082941.1N 0765423.1E	70 FT	NIL	TREE
32/TKOF 14/APCH	OTHER	082944.3N 0765427.8E	32 FT	NIL	Mobile road Traffic
32/TKOF 14/APCH	OTHER	082944.0N 0765428.2E	30 FT	NIL	Mobile road Traffic
32/TKOF 14/APCH	POLE	082944.6N 0765428.7E	44 FT	NIL	Electric Pole
32/TKOF 14/APCH	POLE	082945.3N 0765430.4E	40 FT	NIL	Mobile Rail Traffic
32/TKOF 14/APCH	POLE	082945.2N 0765428.4E	45 FT	NIL	Electric Pole
32/TKOF 14/APCH	OTHER	082941.9N 0765425.3E	31 FT	NIL	Mobile Road Traffic
32/TKOF 14/APCH	TREE	082942.2N 0765425.1E	75 FT	NIL	Group of Trees
32/TKOF 14/APCH	BUILDING	082942.5N 0765424.8E	34 FT	NIL	House
32/TKOF 14/APCH	TREE	082938.1N 0765420.7E	70 FT	NIL	Tree
32/TKOF 14/APCH	POLE	082938.3N 0765421.7E	37 FT	NIL	Electric Pole
32/TKOF 14/APCH	TREE	082939.9N 0765422.6E	78 FT	NIL	Group of Trees
32/TKOF 14/APCH	TREE	082949.8N 0765419.5E	71 FT	NIL	Group of Trees
32/TKOF 14/APCH	TREE	082946.0N 0765415.7E	76 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
32/TKOF 14/APCH	OTHER	082958.2N 0765358.2E	100 FT	NIL	Titanium Chimney
32/TKOF 14/APCH	POLE	082944.4N 0765429.0E	42 FT	NIL	Electric Pole
32/TKOF 14/APCH	POLE	082947.1N 0765427.7E	40 FT	NIL	Electric Pole
32/TKOF 14/APCH	POLE	082945.9N 0765428.7E	39 FT	NIL	Electric Pole
32/TKOF 14/APCH	POLE	082944.9N 0765429.9E	49 FT	NIL	Iron Pole
32/TKOF 14/APCH	BUILDING	082944.3N 0765430.4E	32 FT	NIL	Railway Hut
32/TKOF 14/APCH	OTHER	082942.1N 0765432.6E	31 FT	NIL	Mobile Road Traffic
32/TKOF 14/APCH	POLE	082944.6N 0765427.5E	46 FT	NIL	Electric Pole
32/TKOF 14/APCH	OTHER	082945.4N 0765429.2E	40 FT	NIL	Hoarding
32/TKOF 14/APCH	WALL	082939.7N 0765433.5E	25 FT	NIL	Boundary wall with F/T
32/TKOF 14/APCH	OTHER	082939.5N 0765433.5E	29 FT	NIL	Mobile Road Traffic
32/TKOF 14/APCH	POLE	082939.7N 0765422.7E	31 FT	NIL	Telephone Pole
32/TKOF 14/APCH	POLE	082939.5N 0765423.1E	44 FT	NIL	Electric Pole
32/TKOF 14/APCH	POLE	082939.0N 0765422.4E	44 FT	NIL	Electric Pole
32/TKOF 14/APCH	TREE	082937.8N 0765421.2E	62 FT	NIL	Group of Trees
32/TKOF 14/APCH	OTHER	082939.4N 0765423.1E	31 FT	NIL	Mobile Road Traffic
32/TKOF 14/APCH	OTHER	082939.1N 0765423.4E	31 FT	NIL	Mobile Road Traffic
32/TKOF 14/APCH	POLE	082944.6N 0765429.9E	53 FT	NIL	Light Pole
32/TKOF 14/APCH	POLE	082943.8N 0765430.8E	48 FT	NIL	Light Pole
32/TKOF 14/APCH	POLE	082942.4N 0765432.3E	49 FT	NIL	Light Pole
32/TKOF 14/APCH	OTHER	082944.3N 0765426.3E	53 FT	NIL	Hoarding
32/TKOF 14/APCH	POLE	082944.1N 0765427.7E	51 FT	NIL	Light Pole
32/TKOF 14/APCH	BUILDING	082944.9N 0765427.5E	57 FT	NIL	Hoarding on Building
32/TKOF 14/APCH	TREE	082945.4N 0765427.2E	77 FT	NIL	Group of Trees
32/TKOF 14/APCH	POLE	082944.6N 0765428.2E	51 FT	NIL	Light Pole
32/TKOF 14/APCH	OTHER	082945.9N 0765427.7E	52 FT	NIL	Hoarding
32/TKOF 14/APCH	TREE	082946.2N 0765427.7E	64 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
32/TKOF 14/APCH	ANTENNA	083011.1N 0765345.4E	142 FT	NIL	Mast
32/TKOF 14/APCH	ANTENNA	083018.0N 0765335.3E	175 FT	NIL	Mast
32/TKOF 14/APCH	POLE	082944.1N 0765429.4E	40 FT	NIL	Electric(H) Pole
32/TKOF 14/APCH	POLE	082937.7N 0765421.0E	36 FT	NIL	Electric Pole
32/APCH 14/TKOF	TREE	082815.6N 0765553.7E	50 FT	NIL	Tree
32/APCH 14/TKOF	TREE	082812.6N 0765551.2E	61 FT	NIL	Group of coconut Trees
32/APCH 14/TKOF	BUILDING	082812.8N 0765550.7E	23 FT	NIL	House
32/APCH 14/TKOF	TREE	082813.9N 0765549.7E	39 FT	NIL	Group of Trees
32/APCH 14/TKOF	TREE	082807.6N 0765555.3E	60 FT	NIL	Group of coconut trees
32/APCH 14/TKOF	TREE	082805.8N 0765557.3E	70 FT	NIL	Group of coconut trees
32/APCH 14/TKOF	TREE	082808.1N 0765559.2E	77 FT	NIL	Group of Trees
32/APCH 14/TKOF	TREE	082807.4N 0765600.9E	56 FT	NIL	Group of Trees
32/APCH 14/TKOF	TREE	082809.2N 0765604.2E	57 FT	NIL	Group of Trees
32/APCH 14/TKOF	TREE	082804.5N 0765602.6E	61 FT	NIL	Group of coconut Trees
32/APCH 14/TKOF	TREE	082802.1N 0765605.9E	61 FT	NIL	Group of Coconut Trees
32/APCH 14/TKOF	TREE	082756.3N 0765605.2E	75 FT	NIL	Group of coconut Trees
32/APCH 14/TKOF	TREE	082804.4N 0765557.2E	73 FT	NIL	Group of coconut Trees
32/APCH 14/TKOF	TREE	082802.1N 0765601.2E	64 FT	NIL	Group of coconut Trees
32/APCH 14/TKOF	TREE	082814.6N 0765556.3E	72 FT	NIL	Group of coconut Trees
32/APCH 14/TKOF	TREE	082816.0N 0765554.9E	57 FT	NIL	Group of coconut Trees
32/APCH 14/TKOF	BUILDING	082816.5N 0765554.8E	25 FT	NIL	House
32/APCH 14/TKOF	POLE	082816.7N 0765554.8E	26 FT	NIL	Electric Pole
32/APCH 14/TKOF	TREE	082803.8N 0765604.7E	66 FT	NIL	Group of Trees
32/APCH 14/TKOF	OTHER	082817.9N 0765554.8E	26 FT	NIL	Mobile Road Traffic
32/APCH 14/TKOF	BUILDING	082814.9N 0765554.8E	31 FT	NIL	House
32/APCH 14/TKOF	BUILDING	082815.4N 0765554.9E	27 FT	NIL	House
32/APCH 14/TKOF	POLE	082814.1N 0765555.3E	24 FT	NIL	Electric Pole

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
32/APCH 14/TKOF	TREE	082813.1N 0765555.5E	31 FT	NIL	Group of Trees
32/APCH 14/TKOF	BUILDING	082810.5N 0765559.4E	40 FT	NIL	PSMVP School
32/APCH 14/TKOF	TREE	082811.2N 0765559.2E	55 FT	NIL	Group of coconut Trees
32/APCH 14/TKOF	POLE	082806.1N 0765559.0E	44 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082806.8N 0765600.2E	43 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082807.1N 0765600.6E	52 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082806.8N 0765600.9E	43 FT	NIL	Electric Pole
32/APCH 14/TKOF	TREE	082759.8N 0765609.1E	69 FT	NIL	Group of Trees
32/APCH 14/TKOF	POLE	082806.6N 0765600.4E	42 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082807.9N 0765600.1E	39 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082809.2N 0765559.4E	38 FT	NIL	Electric Pole
32/APCH 14/TKOF	BUILDING	082808.4N 0765600.6E	40 FT	NIL	PSMUP School
32/APCH 14/TKOF	TREE	082808.7N 0765601.2E	72 FT	NIL	Group of Trees
32/APCH 14/TKOF	POLE	082810.5N 0765558.9E	37 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082811.8N 0765558.4E	34 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082813.4N 0765557.7E	32 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082813.9N 0765557.5E	33 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082814.8N 0765557.0E	36 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082815.9N 0765557.0E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	BUILDING	082814.0N 0765557.0E	30 FT	NIL	House
32/APCH 14/TKOF	TREE	082812.6N 0765558.4E	56 FT	NIL	Group of Trees
32/APCH 14/TKOF	BUILDING	082816.7N 0765556.3E	31 FT	NIL	House
32/APCH 14/TKOF	BUILDING	082810.3N 0765552.1E	27 FT	NIL	House
32/APCH 14/TKOF	BUILDING	082809.2N 0765551.7E	27 FT	NIL	House
32/APCH 14/TKOF	OTHER	082816.3N 0765557.0E	29 FT	NIL	Mobile Road Traffic
32/APCH 14/TKOF	POLE	082808.4N 0765553.4E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	TREE	082806.1N 0765554.9E	61 FT	NIL	Group of Coconut 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
32/APCH 14/TKOF	POLE	082809.2N 0765552.9E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082808.2N 0765554.6E	35 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082807.9N 0765552.9E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082807.5N 0765552.2E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082807.1N 0765551.5E	32 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082809.2N 0765552.6E	29 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082808.9N 0765552.0E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082808.4N 0765551.5E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082810.8N 0765552.1E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	TREE	082810.7N 0765552.6E	55 FT	NIL	Group of Trees
32/APCH 14/TKOF	POLE	082809.9N 0765553.2E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082811.2N 0765552.6E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082811.3N 0765552.2E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082809.9N 0765551.4E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082809.5N 0765550.7E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082808.6N 0765549.8E	32 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082809.5N 0765549.5E	32 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082809.9N 0765549.1E	30 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082810.0N 0765548.6E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082810.7N 0765551.4E	27 FT	NIL	Electric Pole
32/APCH 14/TKOF	BUILDING	082806.0N 0765552.6E	32 FT	NIL	House
32/APCH 14/TKOF	POLE	082807.2N 0765552.1E	36 FT	NIL	Electric Pole
32/APCH 14/TKOF	BUILDING	082816.2N 0765554.8E	31 FT	NIL	Mosque
32/APCH 14/TKOF	POLE	082815.0N 0765555.3E	33 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082814.4N 0765555.6E	30 FT	NIL	Electric Pole
32/APCH 14/TKOF	POLE	082814.6N 0765555.6E	30 FT	NIL	Electric Pole
32/APCH 14/TKOF	OTHER	082806.6N 0765556.3E	50 FT	NIL	Mobile Road Traffic

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
32/APCH 14/TKOF	TREE	082810.3N 0765553.2E	43 FT	NIL	Group of Trees
32/APCH 14/TKOF	TREE	082814.2N 0765550.0E	28 FT	NIL	Group of Trees
32/APCH 14/TKOF	OTHER	082814.1N 0765549.8E	23 FT	NIL	Mobile Road Traffic
32/APCH 14/TKOF	WALL	082812.7N 0765548.5E	57 FT	NIL	Airport B/wall with F/T
32/APCH 14/TKOF	TREE	082817.2N 0765553.6E	63 FT	NIL	Group of Trees
32/APCH 14/TKOF	TREE	082813.4N 0765554.9E	43 FT	NIL	Group of Trees
32/APCH 14/TKOF	TREE	082758.8N 0765602.4E	65 FT	NIL	Group of Trees
32/APCH 14/TKOF	TREE	082758.5N 0765609.6E	69 FT	NIL	Group of Trees
32/APCH 14/TKOF	POLE	082807.6N 0765554.1E	31 FT	NIL	Electric Pole
32/APCH 14/TKOF	BUILDING	082804.0N 0765553.9E	37 FT	NIL	House
In circling area and at AD	POLE	082930.2N 0765428.2E	37 FT	NIL	Electric Pole
In circling area and at AD	POLE	082929.4N 0765429.0E	45 FT	NIL	Electric Pole
In circling area and at AD	POLE	082932.2N 0765425.8E	45 FT	NIL	Electric Pole
In circling area and at AD	TREE	082935.6N 0765420.9E	55 FT	NIL	Group of Trees
In circling area and at AD	BUILDING	083134.6N 0765313.1E	244 FT	NIL	Multistoried building (SFS)
In circling area and at AD	TREE	082936.7N 0765420.3E	78 FT	NIL	Tree
In circling area and at AD	POLE	082817.5N 0765556.5E	38 FT	NIL	Electric Pole
In circling area and at AD	TREE	082830.1N 0765545.6E	65 FT	NIL	Group of Coconut Trees
In circling area and at AD	TREE	082827.7N 0765548.5E	63 FT	NIL	Group of Coconut Trees
In circling area and at AD	TREE	082822.2N 0765553.1E	82 FT	NIL	Group of Coconut Trees
In circling area and at AD	POLE	082818.4N 0765554.6E	27 FT	NIL	Electric Pole
In circling area and at AD	TREE	082817.0N 0765558.2E	64 FT	NIL	Group of Trees
In circling area and at AD	POLE	082820.6N 0765553.6E	36 FT	NIL	Electric Pole
In circling area and at AD	TREE	082820.6N 0765553.2E	70 FT	NIL	Group of Trees
In circling area and at AD	TREE	082812.5N 0765545.1E	73 FT	NIL	Group of Trees
In circling area and at AD	POLE	082813.1N 0765544.9E	27 FT	NIL	Electric Pole
In circling area and at AD	TREE	082815.3N 0765543.0E	68 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
In circling area and at AD	BUILDING	082815.4N 0765542.0E	44 FT	NIL	House
In circling area and at AD	TREE	082821.9N 0765552.1E	65 FT	NIL	Group of Trees
In circling area and at AD	POLE	082813.9N 0765549.1E	22 FT	NIL	Light Pole
In circling area and at AD	POLE	082812.6N 0765547.6E	23 FT	NIL	Light Pole
In circling area and at AD	TREE	082811.6N 0765545.8E	69 FT	NIL	Group of Trees
In circling area and at AD	TREE	082811.2N 0765547.1E	72 FT	NIL	Group of Trees
In circling area and at AD	ANTENNA	082822.3N 0765537.7E	30 FT	NIL	G.P. Monitor Antenna
In circling area and at AD	OTHER	082824.3N 0765535.9E	67 FT	NIL	G.P./DME
In circling area and at AD	BUILDING	082824.8N 0765535.4E	26 FT	NIL	G.P. Building
In circling area and at AD	POLE	082825.2N 0765536.4E	20 FT	NIL	Single Pole
In circling area and at AD	POLE	082827.3N 0765532.1E	21 FT	NIL	Single Pole
In circling area and at AD	OTHER	082827.8N 0765531.9E	34 FT	NIL	METOBSE- RVATORY
In circling area and at AD	POLE	082830.1N 0765529.9E	43 FT	NIL	DVOR/DME
In circling area and at AD	OTHER	082835.0N 0765524.1E	39 FT	NIL	W.D.I.
In circling area and at AD	TREE	082839.2N 0765539.6E	79 FT	NIL	Tree
In circling area and at AD	OTHER	082842.0N 0765517.1E	54 FT	NIL	Flood Light Mast
In circling area and at AD	OTHER	082901.7N 0765518.5E	86 FT	NIL	Flood Light Mast
In circling area and at AD	OTHER	082906.1N 0765514.0E	86 FT	NIL	Flood Light Mast
In circling area and at AD	OTHER	082908.4N 0765511.7E	86 FT	NIL	Flood Light Mast
In circling area and at AD	TREE	082903.7N 0765453.8E	44 FT	NIL	Tree
In circling area and at AD	OTHER	082909.5N 0765445.8E	79 FT	NIL	SAC IAF
In circling area and at AD	TREE	082917.8N 0765454.3E	61 FT	NIL	Tree
In circling area and at AD	OTHER	082919.6N 0765452.4E	34 FT	NIL	Mobile Road Traffic
In circling area and at AD	OTHER	082919.7N 0765452.0E	29 FT	NIL	Light Post
In circling area and at AD	TREE	082920.6N 0765452.7E	60 FT	NIL	Tree
In circling area and at AD	OTHER	082921.2N 0765440.3E	35 FT	NIL	WDI
In circling area and at AD	TOWER	083331.1N 0765744.9E	692 FT	NIL	Doordarshan Tower

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
In circling area and at AD	TOWER	083220.7N 0765421.0E	434 FT	NIL	Microwave Tower(DOT)
In circling area and at AD	OTHER	083254.6N 0765401.6E	556 FT	NIL	Air Mast
In circling area and at AD	TREE	083111.0N 0765443.7E	264 FT	NIL	Tree on Hillock
In circling area and at AD	TREE	083036.2N 0765523.1E	200 FT	NIL	Tree on Delavapuram Hill
In circling area and at AD	BUILDING	083026.4N 0765654.9E	259 FT	NIL	Building(Assembly)
In circling area and at AD	BUILDING	082949.2N 0765650.9E	213 FT	NIL	Mast on Pankaj Hotel Building
In circling area and at AD	POLE	082811.8N 0765547.1E	30 FT	NIL	Electric Pole
In circling area and at AD	OTHER	082907.9N 0765506.4E	45 FT	NIL	KATC Hanger Top
In circling area and at AD	BUILDING	083132.1N 0765537.0E	214 FT	NIL	Super Specialty Block Building
In circling area and at AD	BUILDING	083118.7N 0765530.4E	223 FT	NIL	Sri Chitra Thirumal Building

VOTV AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Name of the associated meteorological office	Thiruvananthapuram
2	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	H-24
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	Thiruvananthapuram 9 and 24 Hr.
4	Availability of the trend forecast for the aerodrome and interval of issuance	Trend 30 min
5	Information on how briefing and/or consultation is provided	Provided
6	Types of flight documentation supplied and language(s) used in flight documentation	Tabular and chart form English
7	Charts and other information displayed or available for briefing or consultation	S, U85, U70, U50,U20,P30 ,P25 ,P20 SW (Upto FL460)
8	Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images;	Telex, Telefax, Satellite Display Work Station.
9	The air traffic services unit(s) provided with meteorological information	VOTV Thiruvananthapuram ATC and ACS
10	Additional information, e.g. concerning any limitation of service.	1.Manual RVR will be made AVBL whenever situation warrants. 2.Wind Direction Indicator (lighted) installed at RWY14 west side (140 M from centre line RWY14 and 650M from RWY14 beginning) and RWY32 West side (163M from centre line RWY32 and 898 M from RWY32 beginning)

VOTV 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
14	136.00 DEG	3373 x 45 M	89/F/C/W/T Concrete/Asphalt *Remarks	THR: 082925.99N 0765442.20E
32	316.00 DEG	3373 x 45 M	89/F/C/W/T Concrete/Asphalt *Remarks	THR: 082819.82N 0765546.71E

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: 14.0FT TDZ:	-0.01%	NIL	NIL	3493 x 150 M
THR: 14.0FT TDZ: 14.0FT	0.02%	NIL	222 x 150	3493 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
			*Last 325M 108/R/C/W/T
140M x 90M	N/A		*First 325M 108/R/C/W/T

VOTV 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
14	3373	3373	3373	2967	THR displaced by 406M
32	3373	3595	3373	3238	THR displaced by 135M

VOTV 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
14	SALS 420 M	Green	PAPI LEFT/3.00 DEG MEHT (62.47FT)	
32	CAT I 540 M LIH	Green	PAPI LEFT/3.00 DEG MEHT (68.11FT)	

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
	3373 M 60 M White LIH	Red		NIL
	3373 M 60 M White LIH	Red		NIL

VOTV AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any)	ABN	At Tower Building, FLG W & G, Ev. 5 Sec H24
		IBN	Nil
2	Location and lighting (if any) of anemometer/landing direction indicator;	LDI	92m north of ARP, lighted
		Anemometer	Near DVOR, not lighted.
3	Taxiway edge and taxiway centre line lights;	Edge	All TWYs
		Centre Line	-----
4	Secondary power supply including switch-over time;	Secondary power supply switchover time for RWY LGT, PAPI, APCH LGT AND NAV-AIDS – ZERO. For all other essential lighting and operational unit at Trivandrum airport switchover time is less than 15 SEC.	
5	Remarks	ABN indicator placed inside control tower.	

VOTV 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

VOTV AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

1	Airspace designation, geographical coordinates and lateral limits	CTR: Circular area centered on DVOR TVM (082831N 0765531E) within a 25NM radius.
2	Vertical limits	5500 FT
3	Airspace classification	D
4	Call sign and language(s) of the air traffic services unit providing service;	Thiruvananthapuram Tower, English
5	Transition altitude	9000 FT
6	Hours of applicability	HO
7	Remarks	NIL

VOTV AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available
1	2	3	4
TAR	Thiruvananthapuram Radar	119.600 MHZ	
APP	Thiruvananthapuram Approach	119.600 MHZ	
TWR	Thiruvananthapuram Tower	118.100 MHZ	
ATIS	Thiruvananthapuram Information	126.600 MHZ	
ALRS	EMERGENCY	121.500 MHZ	
RADAR	Thiruvananthapuram Radar	125.950 MHZ	
RADAR	Thiruvananthapuram Radar	132.250 MHZ	
SMC	Thiruvananthapuram Ground	121.900 MHZ	

Logon address, as appropriate	Hours of operation	Remarks
5	6	7
	H24	NIL
	H24	NIL
	H24	NIL
	H24	NIL

Logon address, as appropriate	Hours of operation	Remarks
	H24	NIL
	H24	NIL
	H24	SRY
	H24	NIL

VOTV 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 32	ITDM	109.900 MHz	
GP 32	ITDM	333.800 MHz	
DME ILS 32	ITDM	CH36X	
MKR	TD	317.000 kHz	H24
DVOR/DME	TVM	115.100 MHz CH98X	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
082940.2N 0765428.4E			
082824.7N 0765536.6E			3 DEG
082824.7N 0765536.6E	30 FT		Collocated with GP 32
082541.3N 0765827.0E			
082831.3N 0765531.1E	36 FT		

VOTV AD 2.20 LOCAL AERODROME REGULATIONS

- i. Entry into Parking Stands 1 to 9 will be through TWY B.
- ii. Aircraft stand 1 to 4 will be power -in/power -out via TWY A. Stand 5 to 9 will be power -in/push back taxi out via TWY B.
- iii. Entry into parking stands 11 and 12 will be through TWY B and stand 1 and 2 respectively. If the corresponding stands are occupied, aircraft can use TWY A. Exit from stands 11 and 12 shall be via TWY A, only after pushback.
- iv. Whenever an aircraft is parked on stand no 11, TWY A will be available for taxi of aircraft upto wing span of 48M only.
- v. In case two wide bodied aircraft operate simultaneously the first arrival will be parked on stand 5 and second aircraft between stand 6 and 7. The aircraft will be required to pushback for departure.
- vi. Only idle power engine run is permitted on parking stands, after exercising all necessary ground precautions. For full or partial power run-up, aircraft shall use TWY E facing RWY 32, in coordination with Apron control and ATC.

VOTV AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VOTV AD 2.22 FLIGHT PROCEDURES

I.RADAR Vectoring Areas

The following Radar vectoring areas along with minimum vectoring altitude are established in respect of Trivandrum MSSR (N082850.3 E0765501.1)

i. Area bounded by N082856.3 E0762957.4 then along the shorter arc of circle radius 25NM centered at MSSR (N082850.3 E0765501.1) to N080354.8 E0765458.2 to N081657.6 E0765458.2 then along the shorter arc of circle of radius 12NM centered at MSSR (N082850.3 E0765501.1) to N082512.6 E0770616.8 to N082632.6 E0770440.0 to MSSR (N082850.3 E0765501.1) to N082856.3 E0762957.4. Minimum altitude 2000 FT.

ii.a) Area bounded by MSSR (N082850.3 E0765501.1) to N082856.3 E0762957.4 then along the shorter arc of circle of radius 25NM centered at MSSR (N082850.3 E0765501.1) to N085406.2 E0765446.1 to N083904.0 E0765446.1 then along the shorter arc of circle of radius 10NM centered at MSSR (N082850.3 E0765501.1) to N082632.6 E0770440.0 to MSSR (N082850.3 E0765501.1). Minimum altitude 2500 FT.

b) Area bounded by N081657.6 E0765458.2 to N080354.8 E0765458.2 then along the shorter arc of circle of radius 25NM centered at MSSR (N082850.3 E0765501.1) to N081327.6 E0771436.8 to N081506.6 E0771239.8 to N081812.6 E0771503.8 to N082512.6 E0770616.8 then along the shorter arc of circle of radius 12NM centered at MSSR (N082850.3 E0765501.1) to N081657.6 E0765458.2. Minimum altitude 2500 FT.

iii. Area bounded by N084104.4 E0765446.1 then along the shorter arc of circle radius 12NM centered at MSSR (N082850.3 E0765501.1) to N082512.6 E0770616.8 to N082632.6 E0770440.0 then along the shorter arc of circle of radius 10NM centered at MSSR (N082850.3 E0765501.1) to N083904.0 E0765446.1 to N084104.4 E0765446.1. Minimum altitude 4700 FT.

iv. Area bounded by N084037.4 E0765804.0 then along the shorter arc of circle of radius 12NM centered at MSSR (N082850.3 E0765501.1) to N083842.4 E0770204.0 to N083848.4 E0770534.0 to N085024.4 E0770739.8 to N091748.0 E0770556.0 then along the shorter arc of circle of radius 50NM centered at MSSR (N082850.3 E0765501.1) to N091856.0 E0765726.0 to N085312.2 E0770122.0 to N084037.4 E0765804.0. Minimum altitude 7000 FT.

v. Area bounded by N083842.4 E0770204.0 then along the shorter arc of circle of radius 12NM centered at MSSR (N082850.3 E0765501.1) to N082717.6 E0770649.0 to N082906.6 E0771209.8 to N083848.4 E0770534.0 to N083842.4 E0770204.0. Minimum altitude 6100 FT.

vi.a) Area bounded by N082717.6 E0770649.0 then along the shorter arc of circle of radius 12NM centered at MSSR (N082850.3 E0765501.1) to N082512.6 E0770616.8 to N081812.6 E0771503.8 to N081506.6 E0771239.8 to N081327.6 E0771436.8 then along the shorter arc of circle of radius 25NM centered at MSSR (N082850.3 E0765501.1) to N082 338.6 E0771921.8 to N082906.6 E0771209.8 to N082717.6 E0770649.0. Minimum altitude 5500 FT.

b) Area bounded by N081856.3 E0771801.9 to N080854.3 E0774055.7 then along the longer arc of circle of radius 50NM centered at MSSR (N082850.3 E0765501.1) to N091856.0 E0765726.0 to N085312.2 E0770122.0 then along the longer arc of circle of radius 25NM centered at MSSR (N082850.3 E0765501.1) to N081856.3 E0771801.9 minimum altitude 5500 FT.

vii. Area bounded by N082338.6 E0771921.8 to N081342.3 E0774237.7 then along the shorter arc of circle of radius 50Nm centered at MSSR (N082850.3 E0765501.1) to N091748.0 E0770556.0 to N085024.4 E0770739.8 to N083848.4 E0770534.0 to N082906.6 E0771209.8 to N082338.6 E0771921.8. Minimum altitude 8400 FT.

viii. Area bounded by N082338.6 E0771921.8 to N081342.3 E0774237.7 then along the shorter arc of circle of radius 50NM centered at MSSR (N082850.3 E0765501.1) to N080854.3 E0774055.7 to N081856.3 E0771801.9 then along the shorter arc of circle of radius 25NM centered at MSSR (N082850.3 E0765501.1) to N082338.6 E0771921.8. Minimum altitude 7500 FT.

II. Radio Communication Failure Procedure

The following radio communication failure procedure shall be applicable at Thiruvananthapuram airport when radar vectoring is provided for pilot interpreted final approach aids.

i. If Radio Communication Failure takes place prior to interception of final approach track aircraft should maintain the last assigned altitude or 3200ft whichever is higher and proceed to VOR via shortest route and carry out the IAL procedure last cleared.

ii. In case radio communication failure takes place after interception of final approach track aircraft should continue approach for landing.

VOTV AD 2.23 ADDITIONAL INFORMATION

1. ADS-B FREQ 1090MHZ Commissioned.
LAT: 8DEG 28MIN 35.76SEC N
LONG:76DEG 55MIN 10.92SEC E
2. Parking Stand Number 23 in International Apron commissioned with following specifications:
 - i. PCN- 109/R/C/W/T
 - ii. WGS-84 Coordinates - 082914.80N 0765514.30E
 - iii. Limiting Aircraft Wing Span - upto but not including 52M
 - iv. Limiting Aircraft Length - 62M
 - v. Contact/remote Non- Contact - Power In Push Back
- 3.

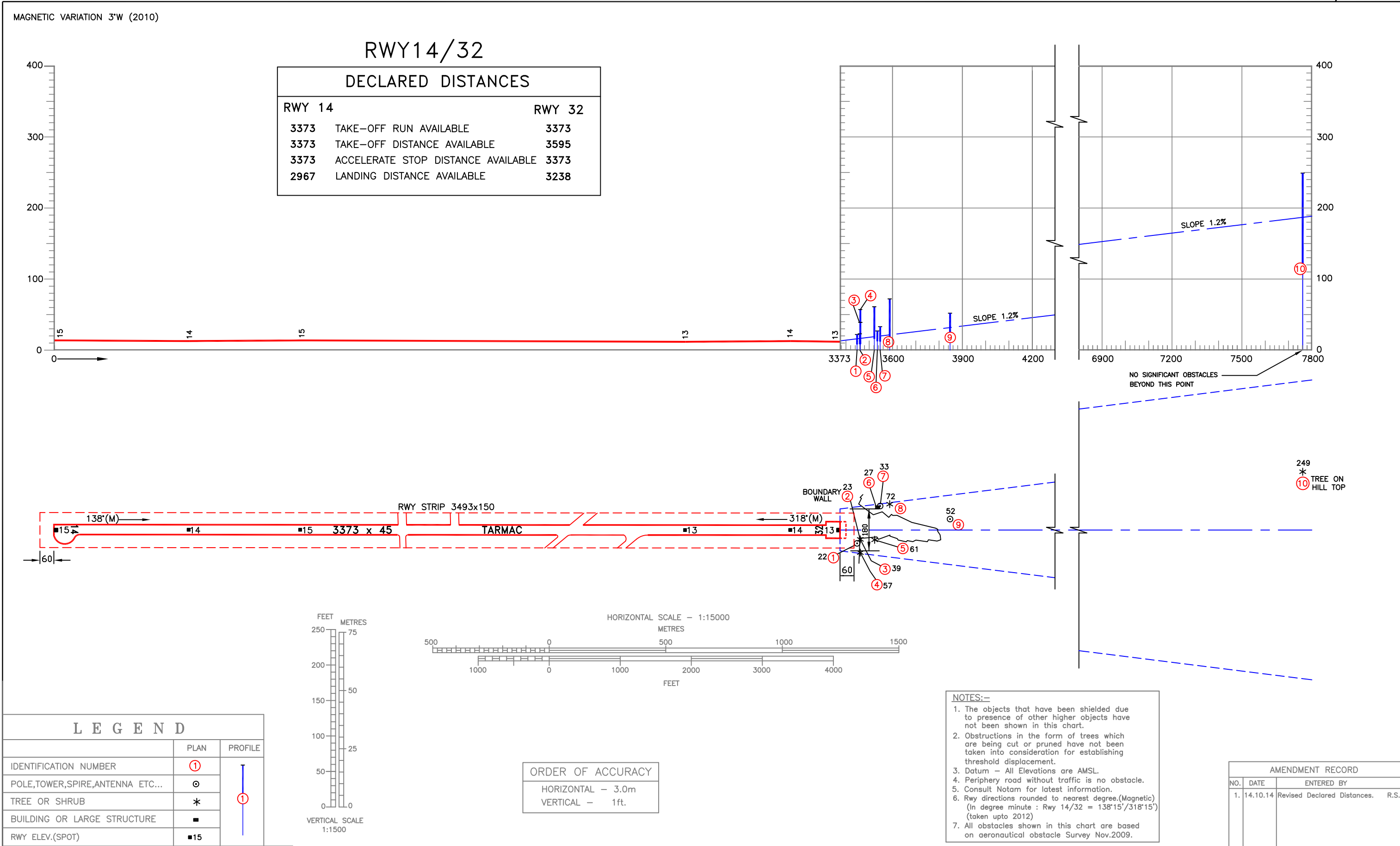
VOTV AD 2.24 CHARTS RELATED TO AN AERODROME

- 1.Aerodrome Obstacle Chart. Type-A (Obstacle Limitations) RWY 14
- 2.Aerodrome Obstacle Chart. Type-A (Obstacle Limitations) RWY 32
- 3.ILS Procedure RWY 32
- 4.VOR Procedure RWY 14
- 5.VOR procedure RWY 32

ELEVATIONS IN FEET
ALL OTHER DIMENSIONS IN METRES

AERODROME OBSTACLE CHART
TYPE -A (OPERATING LIMITATIONS)

INDIA/THIRUVANANTHAPURAM
THIRUVANANTHAPURAM INTL. AIRPORT/RWY 14



AERONAUTICAL INFORMATION UPTO - SEPTEMBER 2014
वैमानिक सूचना - सितंबर 2014 तक

COMPILED BY : CARTO-ACC, AIRPORTS AUTHORITY OF INDIA
संग्रहित किया : वै.मा.प्र.-कार्टो, भारतीय विमानपत्तन प्राधिकरण

CHART No. AAI/36-OBS/CARTO-ACC/2014
चार्ट सं. भा.वि.प्रा./36-अव./वैमाप्र.-कार्टो/2014

INDIA/THIRUVANANTHAPURAM
THIRUVANANTHAPURAM INTL. AIRPORT/RWY 32

MAGNETIC VARIATION 3°W (2010)

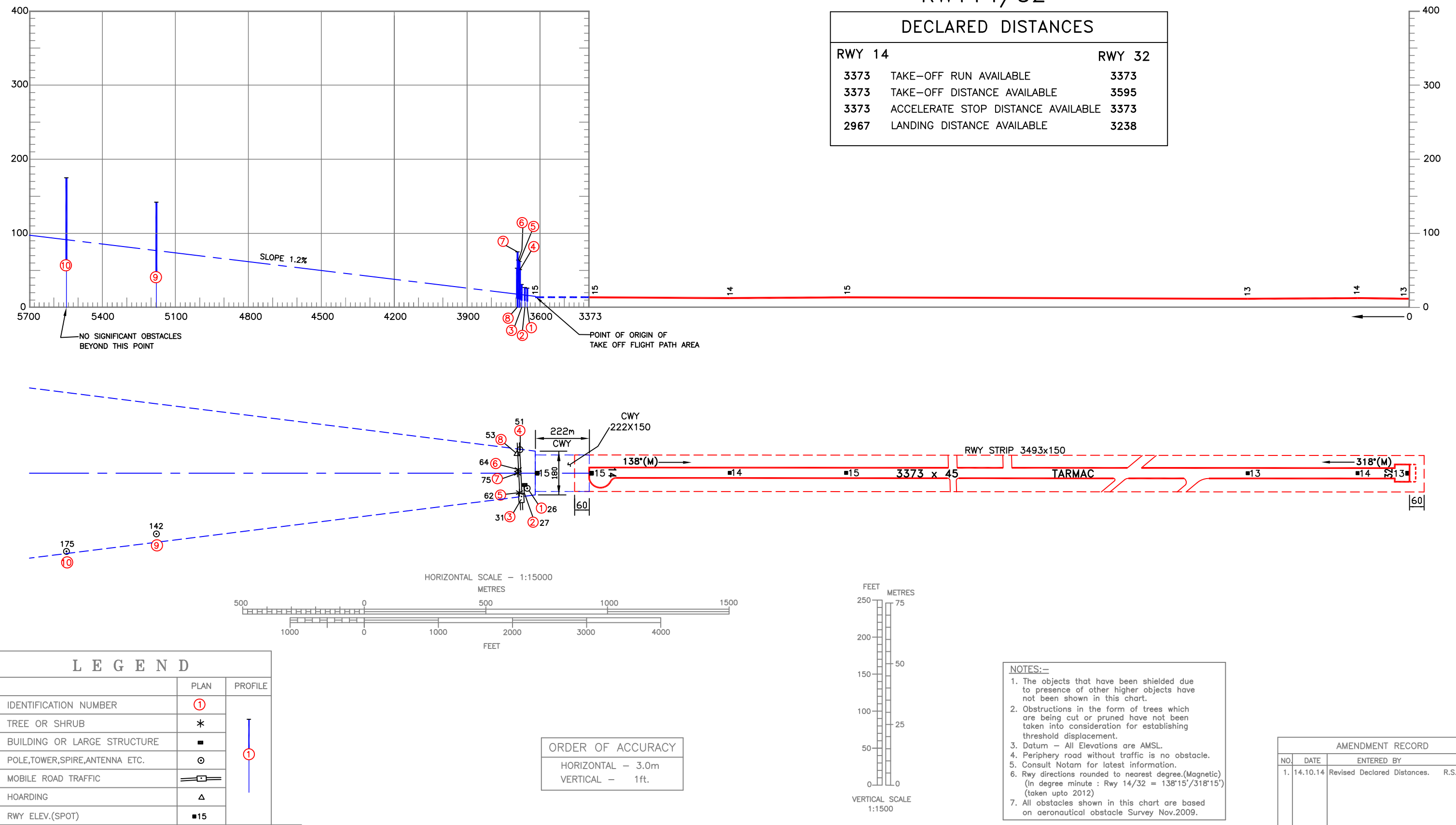


CHART No. AAI/37-OBS/CARTO-ACC/2014
चार्ट सं. भा.वि.प्रा./37-अव./वै.मा.प्र.-कार्टो/2014

