

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

| | | |
|----|---|--|
| 1. | ARP coordinates and site at AD | 082846.12N 0765512.02E, 281.5°/358m from intersection of RWY 14/32 and Taxiway 'B'. |
| 2. | Direction and distance from (city) | 261°, 06KM from Thiruvananthapuram railway station. |
| 3. | Elevation/Reference temperature | 4.55M /33°C |
| 4. | MAG VAR/Annual change | 3.25°W (1985)/Nil |
| 5. | AD Administration, address, telephone, telefax, telex, AFS | Airport Director Airports Authority Of India, Thiruvananthapuram Intl. Airport, Thiruvananthapuram -695008. |
| | | TEL 0471-2500283, 2501424 (20Lines) |
| | | FAX 0471-2500283 |
| | | AFS VOTVYHYX |
| 6. | Types of traffic permitted (IFR/VFR) | IFR/VFR |
| 7. | Remarks | DGCA License no. AL/Public/006 |

VOTV AD 2.3 OPERATIONAL HOURS

| | | |
|-----|----------------------------|--|
| 1. | AD Administration | MON-FRI :0400-1200 UTC (0930-1730 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. | ATS | H24 |
| 8. | Fuelling | H24 |
| 9. | Handling | H24 |
| 10. | Security | H24 |
| 11. | De-icing | Nil |
| 12. | Remarks | Ground handling FAC AVBL with Air India / Indian Airlines with P/N. |

VOTV AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|----|---|---|
| 1. | Cargo-handling facilities | AVBL with KSIE H24 |
| 2. | Fuel/oil types | Jet A1 / Mobile Jet Oil MJ02 With IOC Jet A1 with BPCL |
| 3. | Fuelling facilities/capacity | IOC: 2no. 500KL & 2nos 220KL static tanks 1no. 27KL, 2no. 16KL, 1no. 11KL. Fuel Bowsers and 3 Nos fuel dispensers. BPCL: 2no. 250KL static tanks 1no. 45KL, 1no. 27KL & 1no. 12KL fuel bowsers. |
| 4. | De-icing facilities | Nil |
| 5. | Hanger space for visiting aircraft | Nil |
| 6. | Repair facilities for visiting aircraft | Nil |
| 7. | Remarks | Nil |

VOTV AD 2.5 PASSENGER FACILITIES

| | | |
|----|----------------------|-------------------------------------|
| 1. | Hotels | In the city |
| 2. | Restaurants | At AD and in the city |
| 3. | Transportation | Buses, Taxis and car hire from city |
| 4. | Medical Facilities | First Aid at AD. Hospital in city. |
| 5. | Bank and 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. | AD category for fire fighting | H24: CAT 8 |
| 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, B767/B737/B747 (empty ACFT) AVBL with Air India & local airlines. |
| 4. | Remarks | Nil |

VOTV AD 2.7 SEASONAL AVAILABILITY - CLEARING

Nil

VOTV AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

| | | | |
|----|-------------------------------------|-----------|---|
| 1. | Apron surface and strength | Surface | Concrete |
| | | Strength | PCN: 70/R/C/X/T except Stand 8 PCN Stand 8: 48/R/B/W/T |
| 2. | Taxiway width, surface and strength | Width | See VOTV AD 2.23 |
| | | Surface | ---- |
| | | Strength | ---- |
| 3. | ACL and elevation | Location | At all parking stands |
| | | Elevation | 4.2M/14FT |
| 4. | VOR/INS checkpoints | VOR | TWY B RWY holding point |
| | | INS | All parking stands |
| 5. | Remarks | Nil | |

VOTV 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 intersections with TWY and RWY and at all holding positions. Guidelines at apron. Nose-in guidance at aircraft stands. | | |
| 2. | RWY and TWY markings and LGT | RWY | Marked | Aiming point, TDZ, THR Designation, Centerline, Edge. |
| | | | Lighted | Edge, End, THR, Wing-bar |
| | | TWY | Marked | Centerline, Edge, holding positions, transverse strips, On TWY/RWY curves. |
| | | | Lighted | Edge. (Except TWY D) |
| 3. | Stop bars | Nil | | |
| 4. | Remarks | Nil | | |

VOTV AD 2.10 AERODROME 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 | |
| APCH14 TKOF32 | 1. | LLZ ANTENNA 6.0M/20FT | 082937.9N 0765428.4E | | |
| | 2. | GP OF TREES 15.8M/52FT | 082942.7N 0765356.0E | | |
| | 3. | MOB RD TFC 9.5M/31FT | 082941.4N 0765424.8E | | |
| | 4. | GP OF TREES 19.4M/64FT | 082942.0N 0765424.9E | | |
| | 5. | ELECT. POLE 11.2M/37FT | 082939.4N 0765422.6E | | |
| | 6. | GP OF TREES 17.7M/58FT | 082943.2N 0765418.0E | | |
| | 7. | GP OF TREES 18.2M/60FT | 082946.0N 0765421.2E | | |
| | 8. | GP OF TREES 21.7M/71FT | 082949.3N 0765418.8E | | |
| | 9. | GP OF TREES 23.3M/76FT | 082945.5N 0765415.1E | | |
| | 10. | TITANCHIMNEY 30.6M/100FT | 082957.5N 0765357.5E | | |
| | 11. | ELECT. POLE 11.5M/38FT | 082944.1N 0765426.7E | | |
| | 12. | TELE. POLE 9.5M/31FT | 082942.2N 0765425.3E | | |
| | 13. | TELE. POLE 9.4M/31FT | 082940.6N 0765423.7E | | |
| | 14. | ELECT. POLE 11.2M/37FT | 082939.1N 0765422.4E | | |
| | 15. | TELE. POLE 9.3M/31FT | 082939.1N 0765422.1E | | |
| 16. APCH32 TKOF14 | | GP OF TREES 18.5M/61FT | 082813.1N 0765551.4E | | |
| 17. | | HOUSE 6.9M/23FT | 082813.0N 0765550.9E | | |

| 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 | |
| 18APCH32 TKOF14 | GPOF TREES 21.1M/69FT | 082814.1N 0765550.2E | | | |
| 19 | GP OF TREES 23.4M/77FT | 082808.6N 0765559.5E | | | |
| 20. | GP OF TREES 22.9M/75FT | 082756.4N 0765605.7E | | | |
| 21. | ELECT. POLE 10.7M/35FT | 082814.7N 0765554.6E | | | |
| 22. | ELECT. POLE 7.4M/24FT | 082814.6N 0765555.6E | | | |
| 23. | GP OF TREES 18.4M/60FT | 082813.7N 0765555.5E | | | |
| 24. | SCHOOL 12.3M/40FT | 082811.0N 0765559.6E | | | |
| 25. | ELECT. POLE 11.9M.39FT | 082806.4N 0765558.7E | | | |
| 26. | ELECT. POLE 13.4M/44FT | 082806.7N 0765559.2E | | | |
| 27. | ELECT. POLE 13.1M/43FT | 082807.3N 0765600.6E | | | |
| 28. | ELECT. POLE 16.0M/52FT | 082807.6N 0765600.8E | | | |
| 29. | ELECT. POLE 12.6M/41FT | 082805.4N 0765559.4E | | | |
| 30. | MAST 17.0M/56FT | 082804.0N 0765604.1E | | | |
| 31. | TRANSMETER 15.2M/50FT | 082804.1N 0765604.5E | | | |
| 32. | ELECT. POLE 13.0M/43FT | 082807.4N 0765601.1E | | | |
| 33. | GP OF TREES 19.7M/65FT | 082800.5N 0765609.3E | | | |
| 34. | ELECT. POLE 12.9M/42FT | 082809.2N 0765601.9E | | | |
| 35. | ELECT. POLE 11.8M/39FT | 082808.3N 0765640.0E | | | |
| 36. | ELECT. POLE 11.6M/38FT | 082809.8N 0765559.7E | | | |

| | | | | | |
|----------|-------------|------------|--|--|--|
| 37APCH32 | ELECT. POLE | 082809.9N | | | |
| TKOF14 | 12.6M/41FT | 0765600.1E | | | |
| 38. | ELECT. POLE | 082811.0N | | | |
| | 11.2M/37FT | 0765559.2E | | | |
| 39. | ELECT. POLE | 082812.2N | | | |
| | 10.5M/34FT | 0765558.5E | | | |
| 40. | ELECT. POLE | 082812.6N | | | |
| | 11.9M/39FT | 0765558.9E | | | |
| 41. | HOUSE | 082811.0N | | | |
| | 8.1M/27FT | 0765552.2E | | | |
| 42. | HOUSE | 082809.8N | | | |
| | 8.1M/27FT | 0765551.9E | | | |
| 43. | ELECT. POLE | 082807.1N | | | |
| | 9.6M/31FT | 0765554.9E | | | |
| 44. | ELECT. POLE | 082806.2N | | | |
| | 9.5M/31FT | 0765555.6E | | | |
| 45. | ELECT. POLE | 082808.8N | | | |
| | 9.6M/31FT | 0765553.7E | | | |
| 46. | GP OF TREES | 082806.6N | | | |
| | 18.7M/61FT | 0765555.0E | | | |
| 47. | ELECT. POLE | 082809.9N | | | |
| | 9.5M/31FT | 0765553.1E | | | |
| 48. | ELECT. POLE | 082808.8N | | | |
| | 9.5M/31FT | 0765554.8E | | | |
| 49. | ELECT. POLE | 082808.4N | | | |
| | 9.6M/31FT | 0765553.1E | | | |
| 50. | ELECT. POLE | 082809.7N | | | |
| | 8.7M/29FT | 0765552.6E | | | |
| 51. | ELECT. POLE | 082809.4N | | | |
| | 9.4M/31FT | 0765552.2E | | | |
| 52. | ELECT. POLE | 082811.2N | | | |
| | 9.5M/31FT | 0765552.4E | | | |
| 53. | GP OF TREES | 082811.3N | | | |
| | 16.7M/55FT | 0765552.6E | | | |
| 54. | ELECT. POLE | 082810.2N | | | |
| | 9.5M/31FT | 0765553.4E | | | |
| 55. | ELECT. POLE | 082811.6N | | | |
| | 9.4M/31FT | 0765552.7E | | | |
| 56. | ELECT. POLE | 082811.8N | | | |
| | 9.4M/31FT | 0765552.4E | | | |
| 57. | ELECT. POLE | 082810.5N | | | |
| | 9.4M/31FT | 0765551.5E | | | |
| 58. | HOUSE | 082811.3N | | | |
| | 8.1M/27FT | 0765551.5E | | | |

VOTV AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|-----|--|--|
| 1. | Associated MET office | Thiruvananthapuram. |
| 2. | Hours of service Met office outside hours | H24 |
| 3. | Office responsible for TAF preparation Periods of validity | Thiruvananthapuram 9 and 24 Hr. |
| 4. | Types of landing forecast Interval of issuance | Trend 30min |
| 5. | Briefing / consultation provided | Provided |
| 6. | Flight documentation Language(s) used | Tabular and chart form English |
| 7. | Charts and other information available For briefing or consultation | S,U ₈₅ ,U ₇₀ ,U ₅₀ ,U ₂₀ ,P ₃₀ ,P ₂₅ ,P ₂₀ SW (Upto FL460) |
| 8. | Supplementary equipment available for Providing information | Telex, Telefax, Satellite display Work station. |
| 9. | ATS units provided with information | Thiruvananthapuram ATC and ACS. |
| 10. | Additional information (limitation of service, etc.) | Nil. |

VOTV 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 |
| 14 | 136°00'GEO 139°00'MAG | 3398X45 | 65/F/C/W/T Asphalt Concrete (First 3048m) | 082925.9N 0765441.3E | THR4.2M/14FT TDZ:--- |
| 32 | 316°00'GEO 319°00'MAG | 3398X45 | 69/R/C/W/T Concrete (cement) (First 350m) | 082828.0N 0765538.1E | THR4.2M/14FT TDZ:--- |
| Slope of RWY- SWY | SWY dimensions (M) | CWY dimensions (M) | Strip dimensions (M) | OFZ | Remarks |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 0.015% | Nil | Nil | 3498X180M | | Last 350m 69/R/C/W/T Concrete |
| 0.015% | Nil | 222X150 | 3498X180M | | Last 3048m 65/F/C/W/T Asphalt Concrete |

VOTV AD 2.13 DECLARED DISTANCES

| RWY Designation | TORA (M) | TODA (M) | ASDA (M) | LDA (M) | Remarks |
|-----------------|-------------|-------------|-------------|------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 14 | 3398 | 3398 | 3398 | 2992 | Nil |
| 32 | 3398 | 3620 | 3398 | 3238 | Nil |

VOTV 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 |
| 14 | ---- | Green | PAPI Left/3° 19.04M | ---- | ---- | 3048M 60M white, LIH |
| 32 | CAT I SALS 540M HIL 3BARS | Green | PAPI Left/3° 20.76M | ---- | ---- | 3048M 60M white LIH |
| RWY End LGT Colour WBAR | | | SWY LGT LEN(M) Colour | | Remarks | |
| 8 | | | 9 | | 10 | |
| Red | | | ---- | | ---- | |
| Red | | | ---- | | ---- | |

VOTV AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | | |
|----|--|--|---|
| 1. | ABN/IBN location, characteristics and Hours of operation | ABN | At Tower building, FLG W&G Ev.5sec. H24 |
| | | IBN | Nil |
| 2. | LDI location and LGT Anemometer location and LGT | LDI | 92m north of ARP lighted. |
| | | Anemometer | Near DVOR, not lighted. |
| 3. | TWY edge and centre line lighting | Edge | All TWYs (except TWY D) |
| | | Centre line | ---- |
| 4. | Secondary power supply/switch-over Time | Secondary power supply to all lighting at AD. Switch over time 15 Sec. | |
| 5. | Remarks | ---- | |

VOTV AD 2.16 HELICOPTER LANDING AREA

Not Established.

VOTV AD 2.17 ATS AIRSPACE

| | | |
|----|-----------------------------------|---|
| 1. | Designation and lateral limits | Thiruvananthapuram CTR: A circle, radius 46.3KM(25NM) centered at 082831.3N 0765531.1E(VOR) 'TVM' |
| 2. | Vertical limits | SFC To F150. |
| 3. | Airspace classification | D |
| 4. | ATS unit call sign Language(s) | Thiruvananthapuram Tower English |
| 5. | Transition altitude | 8000 Ft MSL |
| 6. | Remarks | Nil |

VOTV AD 2.18 ATS COMMUNICATION FACILITIES

| Service Designator | Call sign | Frequency | Hours of operation | Remarks |
|--------------------|--------------------------------|-----------------|--------------------|--------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| APP | Thiruvananthapuram Approach | 119.600MHz | As ATS | EMERGENCY 121.500 MHz |
| TWR | Thiruvananthapuram Tower | 118.100MHz | H24 | |
| SMC | Thiruvananthapuram Ground | 121.900MHz | H24 | |
| TAR | Thiruvananthapuram Radar | 119.600MHz | As ATS | |
| RSR | Thiruvananthapuram Radar | 125.95/120.9MHz | H24 | 120.9 MHz Secondary Frequency. |
| DATIS | Thiruvananthapuram Information | 126.600MHz | H24 | |
| EMERGENCY | | 121.500 MHz | H24 | |

VOTV 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 | TVM | 115.1MHz | H24 | 082831.3N 0765531.1E | | |
| DME | TVM | 1122/1185MHz TX/WT | H24 | 082831.3N 0765531.1E | 43FT | Collocated with DVOR |
| LLZ 32 ILS CAT | ITDM | 109.9MHz | H24 | 082940.2N 0765425.0E | | |
| GP32 | --- | 333.8MHz | H24 | 082838.3N 0765534.0E | | 3°, RDH/50FT |
| DME(ILS) | ITDM | 0997/1060MHz | H24 | 082838.3N 0765534.0E | 65FT | Collocated with GP32 |
| LO | TD | 317KHz | H24 | 082541.3N 0765827.0E | | |
| OM | --- | 75MHz | H24 | 082541.3N 0765827.0E | | |
| MM | --- | 75MHz | H24 | 082803.3N 0765605.0E | | LOC: 0.56NM (3430 FT) FM THR of RWY 32 EM:A2A |

VOTV AD 2.20 LOCAL TRAFFIC REGULATIONS

- Entry to Parking stands 1 to 7 will be through TWY 'B'.
- Aircraft on stand 1 to 7 will be required to push back to TWY B and will Taxi via TWY B for departure. However, aircraft on stand 1 to 6 can Taxi out on own power via TWY A if stand 11 is vacant. (Aircraft on stand 1 to 6 can Taxi out on own power via TWY A even if stand 12 is occupied).
- Entry in to parking stands 11 and 12 will be through TWY B and stand 1 & 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 push back.

4. Whenever an aircraft is parked on stand 11, TWY A will be available for Taxi of aircraft up to a wingspan of 36 m only.
5. Whenever a B747-400 aircraft is parked on stand 7, stand 6 will be restricted for parking of aircraft having wingspan up to 44 m.
6. In case two wide-bodied aircraft operates simultaneously, the first arrival will be parked on stand 7 and second aircraft in between stands 5 and 6, in line with the nose wheel marking of stand 7. This aircraft will be required to be pushed back for departure.
7. 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, in coordination with Apron control and ATC.
8. All aircraft shall follow nose wheel guidelines strictly and shall not make 180 deg. turn on parking stands.

VOTV AD 2.21 NOISE ABATEMENT PROCEDURE

VOTV AD 2.22 FLIGHT PROCEDURE

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)

1. 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 2000ft.
2. 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 2500ft.
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 2500ft.
3. a) 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 4700ft.
b) Area bounded by N085406.2 E0765446.1 then along the shorter arc of circle of radius 25NM at MSSR (N082850.3 E0765501.1) to N085312.2 E0770122.0 to N084037.4 E0765804.0 then along the shorter arc of circle of radius 12NM centered at MSSR (N082850.3 E0765501.1) to N084104.4 E0765446.1 to N085406.2 E0765446.1. Minimum altitude 4700ft.
4. 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 7000ft.
5. 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 6100ft.
6. 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 5500ft.
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 5500ft.
 7. 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 8400ft.
 8. 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 7500ft.

II. RADIO COMMUNICATION FAILURE PROCEDURE

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

- a) 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.
- b) 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

I. APRON

| STAND NO. | SURFACE | PCN | CO-ORDINATES | REMARKS |
|-----------|----------|-----------|------------------|--------------------------|
| 1 | CONCRETE | 70R/C/X/T | 0828.7N 07655.3E | Upto wing span 35M |
| 2 | ---DO--- | ---DO--- | 0828.7N 07655.2E | ---DO--- |
| 3 | ---DO--- | ---DO--- | 0828.7N 07655.2E | ---DO--- |
| 4 | ---DO--- | ---DO--- | 0828.7N 07655.2E | Upto wing span of 45M |
| 5 | ---DO--- | ---DO--- | 0828.7N 07655.2E | Upto wing span of 45m |
| 6 | ---DO--- | ---DO--- | 0828.7N 07655.1E | Upto wing span 50M |
| 7 | ---DO--- | ---DO--- | 0828.7N 07655.1E | Upto wing span 60M |
| 11 | CONCRETE | 48R/C/W/T | 0828.0N 07656.0E | Acft len. 45M W/S 35.79M |
| 12 | CONCRETE | ---DO--- | 0828.8N 07655.2E | Acft Len.55M W/S 35.79M |

NOTE: - Stand no. 1 to 12 are with POWER-IN, PUSH-BACK configuration.

II. TAXIWAYS

| <u>DESIGN</u> | <u>WIDTH</u> | <u>SURFACE</u> | <u>STRENGTH</u> |
|---------------|--------------|----------------|--|
| A | 23M | BITUMEN | PCN66/F/B/X/T (RWY TO APRON EDGE) |
| | | CONCRETE | PCN70R/C/X/T (STAND 6 TO APRON EDGE) |
| B | 23M | BITUMEN | PCN76/F/B/X/T (RWY TO STAND 7) PCN44/F/B/X/T (STAND 7 TO TWY C) |
| C | 23M | BITUMEN | PCN52/F/B/X/T |
| D | 23M | CONCRETE | PCN10/R/B/X/T |
| E | 23M | BITUMEN | PCN45/F/B/X/T |

- Note: 1. TWY C restricted for aircrafts up to wing Span of 52M.
 2. TWY D used for Flying Club / NCC Aircrafts.
 3. TWY E used only for taxiing to Isolated Parking Position.
 4. Wind Sock installed at RWY14 west side (140 M from center line RWY14 and 650M from RWY14 beginning.

VOTV 2.24 CHARTS RELATED TO AN AERODROME

1. ILS RWY 32
2. VOR (X) RWY 32
3. VOR (Y) RWY 32
4. VOR (X) RWY 14
5. VOR (Y) RWY 14