

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

|    |   |  |
|----|---|--|
| 1. | ARP coordinates and site at AD                                | 230416.28N 0723735.15E<br>036°/710M from extremity of RWY 05.  |
| 2. | Direction and distance from (city)                            | 045°/8KM from Ahmedabad Railway station.   |
| 3. | Elevation/Reference temperature                               | 57.53M/42°C  |
| 4. | MAG VAR/Annual change   | 0.30°W(1985)/0.017°Decreasing  |
| 5. | AD Administration, AD Address, telephone, Telefax, telex, AFS | Airport Director<br>Airports Authority of India,<br>Sardar VallabhBhai Patel International Airport,<br>Ahmedabad-380003. |
|    |   | Tele 079-22869211,<br>9825024022,<br>079-22861885(R)   |
|    |   | Fax 079-22863561   |
|    |   | AFS VAAHYHYX   |
|    |   | E-Mail <a href="mailto:apdahmad1@sancharnet.in">apdahmad1@sancharnet.in</a>  |
| 6. | Types of traffic permitted (IFR/VFR)                          | VFR/IFR  |
| 7. | Remarks   | DGCA License no. AL/Public/010   |

**VAAH AD 2.3 OPERATIONAL HOURS**

|     |                           |   |
|-----|---------------------------|---|
| 1.  | AD Administration         | MON-FRI : 0400-1200 (0930-1730)<br>SAT,SUN+ HOL : Nil |
| 2.  | Custom and immigration    | H24   |
| 3.  | Health and sanitation     | H24 Doctor Available on call basis                    |
| 4.  | AIS Briefing office       | H24 with Control Tower                                |
| 5.  | ATS Reporting Office(ARO) | H-24 in control TWR                                   |
| 6.  | MET Briefing office       | H24   |
| 7.  | ATS                       | H24   |
| 8.  | Fuelling                  | H24   |
| 9.  | Handling                  | PN With local Airlines Operators.                     |
| 10. | Security                  | H24   |
| 11. | De-icing                  | Nil   |
| 12. | Remarks                   | Nil   |

**VAAH AD 2.4 HANDLING SERVICES AND FACILITIES**

|    |   |  |
|----|---|--|
| 1. | Cargo-handling facilities               | Limited - Manual by arrangement with local Airlines  |
| 2. | Fuel/oil types                          | ATF, Jet A1, AVGAS 100LL,OIL- Nil  |
| 3. | Fuelling facilities/capacity            | JET A1 4 Refuellers,64,000 liters,20 liters/Sec<br>ATF, 1Refuellers 66,000 liters, 20 liters/Sec<br>AVGAS 2 Refuellers, 6,000 liters,20 liters/Sec |
| 4. | De-icing facilities                     | Nil  |
| 5. | Hanger space for visiting aircraft      | Nil  |
| 6. | Repair facilities for visiting aircraft | Limited, prior arrangement with local airlines required.   |
| 7. | Remarks                                 | Nil  |

**VAAH AD 2.5 PASSENGER FACILITIES**

|    |                      |   |
|----|----------------------|---|
| 1. | Hotels               | In the city & near the AD.  |
| 2. | Restaurants          | At AD and in the city   |
| 3. | Transportation       | Taxi, Car hire from AD, train , buses from the city   |
| 4. | Medical Facilities   | First aid at AD. Doctor on call   |
| 5. | Bank and post office | Limited hours   |
| 6. | Tourist office       | During flight timings at domestic terminal  |
| 7. | Remarks              | Extension counter of Vijay Bank (Day Time at Domestic Terminal) Post office at Domestic Terminal<br>Currency Exchange Counter of Bank of Baroda at Intl. Terminal<br>ATM facility of Bank of Baroda at Domestic terminal. |

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

|    |   |  |
|----|---|--|
| 1. | AD category for fire fighting               | H24 CAT 9  |
| 2. | Rescue equipment                            | AVBL. as per category.                                     |
| 3. | Capability for removal of disabled aircraft | As per removal of Disabled acft. Plan.                     |
| 4. | Remarks                                     | Tow bar for B747/A320/A300/B737 avbl. with Indian Airlines |

**VAAH AD 2.7 SEASONAL AVAILABILITY - CLEARING**

Nil

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

|    |                                     |           |  |
|----|-------------------------------------|-----------|--|
| 1. | Apron surface and strength          | Surface   | Concrete 550X200M                          |
|    |                                     | Strength  | ---  |
| 2. | Taxiway width, surface and strength | Width     | 23M (TWY A,B,P,C,D,F )                     |
|    |                                     | Surface   | TWY B BITUMEN<br>TWY A, P,C, D, F CONCRETE |
|    |                                     | Strength  | TWY P, C, D, F PCN 80/R/B/W/U              |
| 3. | ACL and elevation                   | Location  | At apron                                   |
|    |                                     | Elevation | 54.5 M/ 179 FT                             |
| 4. | VOR/INS checkpoints                 | VOR       | TWY B holding PSN, 206Deg 0.3NM.           |
|    |                                     | INS       | ---  |
| 5. | Remarks                             | ---       |  |

**VAAH 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  | Designation, THR, TDZ, Centerline , Aiming point |
|    |  |   | Lighted | THR,RWY edge, RWY end.                           |
|    |  | TWY   | Marked  | Centerline, Holding Positions.                   |

|    |           |  |         |               |
|----|-----------|--|---------|---------------|
|    |           |  | Lighted | Edge, Signage |
| 3. | Stop bars | Nil  |         |               |
| 4. | Remarks   | Aircraft taxiing on L1 to make low power turn. |         |               |

**VAAH AD 2.10 AERODROME OBSTACLES**

| In approach /TKOF areas |  |                         | In circling area and at AD                |             | Remarks |
|-------------------------|--|-------------------------|---|-------------|---------|
| 1.                      |  |                         | 2.  |             | 3.      |
| RWY /Area affected      | Obstacle type<br>Elevation<br>Markings<br>/LGT | Coordinates             | Obstacle type<br>Elevation<br>Marking/LGT | Coordinates |         |
| a                       | b  | c                       | a   | b           |         |
| 1. 05APCH<br>23TKOF     | APCH LIGHT<br>55.0M/180FT                      | 230356.1N<br>0723718.9E |   |             |         |
| 2.                      | TREE<br>65.8M/216FT                            | 230347.8N<br>0723706.2E |   |             |         |
| 3.                      | TREE<br>66.3M/218FT                            | 230347.3N<br>0723702.0E |   |             |         |
| 4.                      | GP OF TREES<br>69.2M/227FT                     | 230343.9N<br>0723659.4E |   |             |         |
| 5.                      | GP OF TREES<br>76.4M/251FT                     | 230335.7N<br>0723653.9E |   |             |         |
| 6.                      | VENT PIPE<br>69.4M/228FT                       | 230335.7N<br>0723605.5E |   |             |         |
| 7.                      | TREE<br>73.4M/241FT                            | 230335.8N<br>0723705.5E |   |             |         |
| 8.                      | VENT PIPE<br>66.2M/217FT                       | 230346.2N<br>0723705.0E |   |             |         |
| 9.                      | TREE<br>67.9M/223FT                            | 230346.8N<br>0723707.7E |   |             |         |
| 10.                     | TREE<br>70.5M/231FT                            | 230344.9N<br>0723711.3E |   |             |         |

**VAAH AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

|     |  |   |
|-----|--|---|
| 1.  | Associated MET office  | Ahmedabad   |
| 2.  | Hours of service<br>Met office outside hours                           | H24<br>---  |
| 3.  | Office responsible for TAF preparation<br>Periods of validity          | Ahmedabad<br>9 and 24 HR.   |
| 4.  | Types of landing forecast<br>Interval of issuance                      | Metar/Speci/Special reports with Trend<br>30 Min  |
| 5.  | Briefing / consultation provided                                       | Provided with enroute forecast  |
| 6.  | Flight documentation<br>Language(s) use                                | Tabular form<br>English   |
| 7.  | Charts and other information available<br>For briefing or consultation | S, U85, U70, U50 U30 U20.   |
| 8.  | Supplementary equipment available for<br>Providing information         | Telex, Telefax, Satellite display work<br>station   |
| 9.  | ATS units provided with information                                    | Ahmedabad ATS   |
| 10. | AD Additional information (limitation of<br>service, etc.)             | Advance notice of 2 Hrs required for<br>domestic routes and 12 Hrs notice required<br>for INTL. routes. |

**VAAH AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

| Designations<br>RWY<br>NR | TRUE &<br>MAG BRG         | Dimensions of<br>RWY(M)   | Strength (PCN)<br>and surface of<br>RWY and<br>SWY | THR coordinates         | THR elevation<br>and highest<br>elevation of<br>TDZ of precision<br>APP RWY |
|---------------------------|---------------------------|---------------------------|--|-------------------------|---|
| 1                         | 2                         | 3                         | 4  | 5                       | 6   |
| 05                        | 044 30'GEO<br>045°00'MAG  | 3505X45M                  | 2743M<br>ASPHALT<br>762M<br>CONCRETE               | 230357.5N<br>0723720.4E | THR54.9M/<br>180FT  |
| 23                        | 224°30'GEO<br>225°00'MAG  | 3505X45M                  | 762M<br>CONCRETE<br>2743M<br>ASPHALT               | 230518.2N<br>0723847.8E | THR57.5M/<br>189FT  |
| Slope of<br>RWY-<br>SWY   | SWY<br>dimensions<br>( M) | CWY<br>dimensions<br>( M) | Strip<br>dimensions<br>( M)                        | OFZ                     | Remarks   |
| 7                         | 8                         | 9                         | 10   | 11                      | 12  |
| Nil                       | Nil                       | Nil                       | 3685X150   | Nil                     | ---   |
| 0.07%<br>SW               | 60X60                     | Nil                       | 3685X150   | Nil                     | ---   |

**VAAH AD 2.13 DECLARED DISTANCES**

| RWY Designation | TORA<br>(M) | TODA<br>(M) | ASDA<br>(M) | LDA<br>(M) | Remarks         |
|-----------------|-------------|-------------|-------------|------------|-----------------|
| 1               | 2           | 3           | 4           | 5          | 6               |
| 05              | 3505        | 3505        | 3505        | 3505       | 1:50 RESA 90X90 |
| 23              | 3505        | 3505        | 3565        | 3505       | 1:50 RESA 90X90 |

**VAAH AD 2.14 APPROACH AND RUNWAY LIGHTING**

| Designations<br>RWY              | APCH LGT<br>TYPE<br>LEN<br>INTST | THR LGT<br>COLOUR<br>WBAR | VASIS<br>(MEHT)<br>PAPI           | TDZ,<br>LGT<br>LEN | RWY<br>Centerline,<br>LGT<br>Length<br>Spacing<br>Color,INTST | RWY<br>Edge,<br>LGT,LEN<br>Spacing<br>Color,INTST |
|----------------------------------|----------------------------------|---------------------------|-----------------------------------|--------------------|---|---|
| 1                                | 2                                | 3                         | 4                                 |                    | 6   | 7   |
| 05                               | SALS<br>HIRL 420<br>HIL          | Green<br>HIL              | PAPI<br>LEFT/<br>2°48'<br>14.769M | Nil                | Nil   | 3505M<br>60M<br>Standard<br>HIRL                  |
| 23                               | CAT – I<br>ALS<br>750<br>HIL     | Green<br>HIL              | PAPI<br>LEFT/<br>3° '<br>20.44M   | Nil                | Nil   | 3505M<br>60M<br>Standard<br>HIRL                  |
| RWY END<br>LGT<br>COLOUR<br>WBAR | SWY<br>LGT LEN(M)<br>Colour      | Remarks                   |                                   |                    |   |   |
| 8                                | 9                                | 10                        |                                   |                    |   |   |
| Red                              | Nil                              | Nil                       |                                   |                    |   |   |
| Red                              | Nil                              | Nil                       |                                   |                    |   |   |

**VAAH AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

|    |  |   |   |
|----|--|---|---|
| 1. | ABN/IBN location, characteristics and Hours of operation | ABN   | At 230434N 0723753E H24                                   |
|    |  | IBN   | Nil   |
| 2. | LDI location and LGT<br>Anemometer location and LGT      | LDI   | Nil   |
|    |  | Anemometer  | RWY23 at 762M from beginning Rwy05 near TWY B not lighted |
| 3. | TWY edge and centre line lighting                        | Edge  | All TWY.  |
|    |  | Center line   | Nil   |
| 4. | Secondary power supply/switch-over Time                  | Secondary power supply to all lighting at AD. Switch-over time :15 SEC. |   |
| 5. | Remarks  | Apron edge and flood lights available.                                  |   |

**VAAH AD 2.16 HELICOPTER LANDING AREA**

Not established

**VAAH AD 2.17 ATS AIRSPACE**

|    |                                   |   |
|----|-----------------------------------|---|
| 1. | Designation and lateral limits    | Ahmedabad CTR :<br>A circle radius 55KM (30NM) Centred at 230405.4N 0723744.8E (VOR).<br>Ahmedabad CTA:<br>30NM to 100NM AAE FL70 to FL460<br>100NM AAE to CTA boundary FL150 to FL460. |
| 2. | Vertical limits                   | SFC to FL70   |
| 3. | Airspace classification           | D   |
| 4. | ATS unit call sign<br>Language(s) | Ahmedabad Tower<br>English  |
| 5. | Transition altitude               | 4000 FT MSL   |
| 6. | Remarks                           | Nil   |

**VAAH AD 2.18 ATS COMMUNICATION FACILITIES**

| Service Designator  | Call sign             | Frequency              | Hours of Operation | Remarks                                  |
|---------------------|-----------------------|------------------------|--------------------|--|
| 1                   | 2                     | 3                      | 4                  | 5  |
| TWR                 | Ahmedabad             | 118.1MHz               | H24                | Primary Frequency                        |
| APP                 | Ahmedabad Approach    | 119.6MHz<br>118.1MHz   | H24                | Primary Frequency Secondary Frequency    |
| ACC                 | Ahmedabad Control     | 123.75MHz<br>134.2 MHz | H24                | Primary Frequency Secondary Frequency    |
| ATIS                | Ahmedabad Information | 126.8MHz               | H24                |  |
| TAR                 | Ahmedabad Radar       | 119.8MHz               | AS ATS             | Refer NOTAM for Current HR of operation  |
| RSR                 | Ahmedabad Radar       | 123.75MHz<br>134.2 MHz | H24                | Primary Frequency<br>Secondary frequency |
| Emergency Frequency |                       | 121.5MHz               | H24                |  |

**VAAH AD 2.19 RADIO NAVIGATION AND LANDING AIDS**

| Type of aid<br>CAT of<br>ILS/MLS<br>(For VOR/ILS/<br>MLS, give VAR) | ID   | Frequency         | Hours<br>of<br>operation | Site of<br>transmitting<br>antenna<br>coordinates | Elevation of<br>DME trans-<br>mitting<br>antenna | Remarks                |
|---|------|-------------------|--------------------------|---|--|------------------------|
| 1   | 2    | 3                 | 4                        | 5   | 6  | 7                      |
| DVOR  | AAE  | 113.1MHz          | H24                      | 230405.4N<br>0723744.8E                           |  |                        |
| DME   | AAE  | 1102/<br>1165 MHz | H24                      | 230405.4N<br>0723744.8E                           | 63M/207FT  | Colocated<br>with DVOR |
| LO  | AH   | 215KHz            | H24                      | 230829.0N<br>0724158.8E                           |  |                        |
| OM  |      | 75MHz             | H24                      | 230829N<br>0724158.8E                             |  |                        |
| LLZ 23  | IAHD | 110.3MHz          | H24                      | 230349.9N<br>0723712.8E                           |  |                        |
| GP23  |      | 335.0MHz          | H24                      | 230457.9N<br>0723819.8E                           |  | 3°,RDH/50FT            |
| DME23<br>(ILS)  | IAHD | 1001/1064<br>MHz  | H24                      | 230457.9N<br>0723819.8E                           | 63.4M/220F<br>T.                                 | Colocated<br>with GP23 |

**VAAH AD 2.20 LOCAL TRAFFIC REGULATIONS**

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**VAAH AD 2.21 NOISE ABATEMENT PROCEDURES**

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**VAAH AD 2.22 FLIGHT PROCEDURES**

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**VAAH AD 2.23 ADDITIONAL INFORMATION**

I. Routine Wx. Radar observations taken at 0150,0250,0550,0850,1050,1350,1450, 1750, 2050 and 2250. during pre monsoon, monsoon and post monsoon seasons in case of no echoes In case echoes are observed additional observations are taken at 0350,0450,0650,0750,0950,1550,1650,1850,1950 and 2150. Observations are also taken in other seasons during bad Wx. Conditions.

II.Obst Lgt. provided on lightning arrestor pole on Antenna of the ASR/MSSR building antenna Hgt 237FT Coordinates 230412N 0723754E distance from centerline of RWY-870FT south of RWY, distance from beginning of RWY05-3350FT.

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

1. ILS RWY 23
2. VOR RWY 23
3. VOR RWY 05
4. NDB RWY 23
5. Obstacle Chart Type-A RWY 05
6. Obstacle Chart Type-A RWY 23