

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

VABP - RAJA BHOJ AIRPORT, BHOPAL / DOMESTIC

VABP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

| | | |
|---|--|---|
| 1 | Aerodrome reference point coordinates and its site | 231713N 0772013E 345 DEG/197M from intersection of RWY 30 & TWY 'E' |
| 2 | Direction and distance of aerodrome reference point from the center of the city or town which the aerodrome serves | 288 DEG, 8KM from Bhopal Railway Station. |
| 3 | Aerodrome elevation and reference temperature | 1719 FT / 41.0 DEG C |
| 4 | Magnetic variation, date of information and annual change | 0.36 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, RAJA BHOJ AIRPORT, Bhopal Airport, Bhopal -462030., Telephone: +91-755-2646001 +91-9425008255 Fax: +91-755-2646002 +91-755-2646003 +91-755-2640989 AFS: VABPYHYX Email: APDBHOPAL@AAI.AERO |
| 6 | Types of traffic permitted (IFR/VFR) | IFR/VFR |
| 7 | Remarks | |

VABP AD 2.3 OPERATIONAL HOURS

| | | |
|----|----------------------------|--|
| 1 | Aerodrome Operator | MON-FRI 0400-1230 UTC (0930-1800 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 | Air Traffic Service | 0100-1630 UTC |
| 8 | Fuelling | As ATS |
| 9 | Handling | N/A |
| 10 | Security | As ATS |
| 11 | De-icing | N/A |
| 12 | Remarks | 1. Outside of ATS hour's services are available O/R with 24 HR PN to AD. 2. The ATS approved hourly runway traffic handling capacity is as follows: Maximum number of arrival and departure -12 (the minimum spacing between two successive arrival and departure shall be more than five minutes) Maximum number of arrivals only -06 Maximum number of departures only -10 |

VABP AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|---|---|---|
| 1 | Cargo-handling facilities | NIL |
| 2 | Fuel and Oil types | ATF (K-50), AVGAS (100 LL) |
| 3 | Fuelling facilities and capacity | Indian Oil: Three Bowser (Capacity 9KL & 10KL,11KL), One Trolley Unit for AVGAS, 1KL Bharat Petroleum :Three Bowser (Capacity- 12KL,15KL,27KL) |
| 4 | De-icing facilities | NIL |
| 5 | Hangar space for visiting aircraft | NIL |
| 6 | Repair facilities for visiting aircraft | NIL |
| 7 | Remarks | NIL |

VABP AD 2.5 PASSENGER FACILITIES

| | | |
|---|---|--|
| 1 | Hotel(s) at or in the vicinity of aerodrome | In the city. |
| 2 | Restaurant(s) at or in the vicinity of aerodrome | At AD and in the city |
| 3 | Transportation possibilities | Car Rental & Taxi |
| 4 | Medical Facilities | First aid at AD. Hospital in the city. |
| 5 | Bank and post office at or in the vicinity of aerodrome | Banks: Limited Hrs. Post office: Limited Hrs. |
| 6 | Tourist office | As ATS |
| 7 | Remarks | NIL |

VABP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|---|---|----------------------------|
| 1 | Aerodrome category for fire fighting | Within ATS HR: CAT-7 |
| 2 | Rescue equipment | Available as per category. |
| 3 | Capability for removal of disabled aircraft | Not Available |
| 4 | Remarks | NIL |

VABP AD 2.7 SEASONAL AVAILABILITY CLEARING

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

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

| | | |
|---|---|--|
| 1 | Designation, surface and strength of aprons | Designator: New Apron Surface: Concrete Strength: PCN 80/R/C/W/T Designator: Old Apron Surface: Concrete Strength: PCN 60/R/B/W/T |
|---|---|--|

| | | |
|---|--|---|
| 2 | Designation, width, surface and strength of taxiways | <p>Designator: TWY A Width: 23 M Surface: Strength: PCN 78/F/C/W/T</p> <p>Designator: TWY B Width: 23 M Surface: Concrete Strength: PCN 73/R/B/W/T</p> <p>Designator: TWY C Width: 23 M Surface: Asphalt Strength:</p> <p>Designator: TWY D Width: 23 M Surface: Concrete Strength: PCN 69/R/B/W/T</p> <p>Designator: TWY E Width: 45 M Surface: Asphalt Strength: PCN 78/F/C/W/T</p> <p>Designator: TWY F Width: 23 M Surface: Concrete Strength: PCN 80/F/C/W/T</p> <p>Designator: TWY G Width: 23 M Surface: Concrete Strength: PCN 80/R/C/W/T</p> |
| 3 | Location and elevation of altimeter checkpoints | Location At apron Elevation 1711FT |
| 4 | Location of VOR checkpoints | Holding Position RWY 30 |
| 5 | Position of INS checkpoints | NIL |
| 6 | Remarks | <p>1.Isolation bay location: Southwest, length 120m, breadth 110m, shoulder 7.5m all around. PCN 80/R/C/W/T, designed ACFT B767-400</p> <p>2.TWY D is connected with New Apron to TWY E.</p> <p>3.Link TWY F: joins RWY & Isolation Bay, Length 215m, Shoulder 7.5m.</p> <p>4.TWY G is connecting New Apron to RWY 12/30</p> <p>5.Length & Shoulder of TWY D 237M/10.5M</p> <p>6.Length & Shoulder of TWY G 228.5M/10.5M</p> |

VABP 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 | Taxiing guidance provided on R/T |
|---|--|----------------------------------|

| | | |
|---|--|---|
| 2 | Runway and taxiway markings and lights | RWY Markings: THR ,Centreline, RWY Designation, Aiming point, RWY Edge Lights: Edge, End, THR TWY Marking: Centreline, Holding positions, TWY Edge Lights: Edge. |
| 3 | Stop bars (if any) | NIL |
| 4 | Remarks | NIL |

VABP 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 |
| 30/APCH 12/TKOF | POLE | 231700.0N 0772040.2E | 1729 FT | NIL | LIGHT POST |
| 30/APCH 12/TKOF | POLE | 231701.0N 0772034.0E | 1714 FT | NIL | LIGHT POST |
| 30/APCH 12/TKOF | POLE | 231652.7N 0772032.3E | 1715 FT | NIL | LIGHT POST |
| 30/APCH 12/TKOF | POLE | 231652.8N 0772033.7E | 1718 FT | NIL | LIGHT POST |
| 30/APCH 12/TKOF | TREE | 231658.6N 0772040.8E | 1732 FT | NIL | TREE |
| 30/APCH 12/TKOF | TREE | 231648.9N 0772038.2E | 1749 FT | NIL | TREE |
| 30/APCH 12/TKOF | TREE | 231652.0N 0772038.3E | 1728 FT | NIL | TREE |
| In circling area and at AD | ANTENNA | 231707.5N 0772029.9E | 1755 FT | NIL | AERODROME BEACON |
| In circling area and at AD | POLE | 231706.8N 0772031.3E | 1742 FT | NIL | LIGHT POST |
| In circling area and at AD | TREE | 231707.6N 0772031.5E | 1753 FT | NIL | TREE |
| In circling area and at AD | TOWER | 231706.9N 0772029.6E | 1754 FT | NIL | TOWER |
| In circling area and at AD | POLE | 231720.3N 0771934.4E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231720.6N 0771933.8E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231720.1N 0771935.0E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231719.8N 0771935.5E | 1720 FT | LGTD | LIGHT POST |
| In circling area and at AD | POLE | 231720.8N 0771933.2E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231719.6N 0771936.1E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231719.4N 0771936.7E | 1719 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231721.0N 0771932.6E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231719.1N 0771937.3E | 1720 FT | NIL | LIGHT POST |

| 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 | POLE | 231718.9N 0771937.9E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231721.3N 0771932.1E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231718.6N 0771938.4E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231718.4N 0771939.0E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231718.2N 0771939.6E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231717.9N 0771940.2E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231721.5N 0771931.5E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231717.7N 0771940.8E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231721.8N 0771930.9E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231722.0N 0771930.3E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231722.3N 0771929.7E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231722.5N 0771929.1E | 1722 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231722.8N 0771928.5E | 1722 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231708.7N 0771958.9E | 1714 FT | NIL | LIGHT POST |
| In circling area and at AD | TOWER | 231422.7N 0772317.5E | 2231 FT | NIL | TV TOWER |
| In circling area and at AD | POLE | 231703.4N 0772034.7E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231703.6N 0772033.8E | 1722 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231705.9N 0772032.2E | 1771 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231705.9N 0772032.3E | 1737 FT | NIL | LIGHT POST |
| In circling area and at AD | TREE | 231720.4N 0771934.0E | 1780 FT | NIL | TREE |
| In circling area and at AD | TREE | 231720.7N 0771933.3E | 1790 FT | NIL | TREE |
| In circling area and at AD | TREE | 231719.6N 0771935.8E | 1763 FT | NIL | TREE |
| In circling area and at AD | TREE | 231719.1N 0771937.3E | 1753 FT | NIL | TREE |
| In circling area and at AD | TREE | 231721.9N 0771930.5E | 1774 FT | NIL | TREE |
| In circling area and at AD | TREE | 231722.7N 0771928.6E | 1763 FT | NIL | TREE |
| In circling area and at AD | POLE | 231652.5N 0772030.8E | 1717 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231704.7N 0772032.9E | 1736 FT | NIL | LIGHT POST |

| 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 | POLE | 231704.8N 0772030.5E | 1739 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231739.3N 0771853.7E | 1723 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231739.0N 0771854.4E | 1723 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231738.7N 0771855.1E | 1723 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231738.3N 0771855.8E | 1722 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231738.0N 0771856.5E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231736.7N 0771859.2E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231736.4N 0771859.9E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231736.4N 0771859.9E | 1724 FT | NIL | LIGHT POST |
| In circling area and at AD | ELECTRIC SYSTEM | 231734.8N 0771901.5E | 1746 FT | NIL | ELECTRIC POST |
| In circling area and at AD | POLE | 231736.0N 0771900.6E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231735.7N 0771901.3E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231735.4N 0771902.0E | 1720 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231735.0N 0771902.7E | 1721 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231734.0N 0771903.2E | 1737 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231734.7N 0771903.3E | 1722 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231734.4N 0771904.0E | 1723 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231734.0N 0771904.7E | 1724 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231733.7N 0771905.4E | 1724 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231733.6N 0771905.7E | 1728 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231733.2N 0771906.4E | 1728 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231733.0N 0771906.8E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231732.9N 0771907.1E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231732.7N 0771907.4E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231732.6N 0771907.8E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231732.4N 0771908.1E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231732.2N 0771908.5E | 1730 FT | NIL | LIGHT POST |

| 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 | POLE | 231732.1N 0771908.8E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231731.9N 0771909.2E | 1730 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231731.7N 0771909.5E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231731.6N 0771909.8E | 1730 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231731.2N 0771910.5E | 1731 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231731.1N 0771910.9E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231730.9N 0771911.2E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231730.7N 0771911.6E | 1729 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231730.5N 0771911.9E | 1730 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231730.4N 0771912.2E | 1733 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231730.2N 0771912.6E | 1731 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231730.0N 0771912.9E | 1733 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231729.9N 0771913.3E | 1733 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231729.7N 0771913.6E | 1731 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231729.5N 0771913.9E | 1730 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231725.2N 0771922.7E | 1736 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231725.4N 0771922.2E | 1735 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231725.6N 0771921.6E | 1736 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231725.9N 0771921.0E | 1735 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231726.1N 0771920.4E | 1735 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231726.4N 0771919.8E | 1735 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231726.6N 0771919.3E | 1736 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231726.8N 0771918.7E | 1735 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231727.1N 0771918.1E | 1736 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231727.3N 0771917.5E | 1737 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231727.6N 0771917.1E | 1737 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231729.1N 0771915.7E | 1738 FT | NIL | LIGHT POST |

| 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 | POLE | 231728.8N 0771916.3E | 1739 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231728.6N 0771916.9E | 1738 FT | NIL | LIGHT POST |
| In circling area and at AD | POLE | 231728.3N 0771917.4E | 1736 FT | NIL | LIGHT POST |
| In circling area and at AD | BUILDING | 231624.3N 0772241.5E | 1988 FT | NIL | BUILDING |
| In circling area and at AD | WATER TOWER | 231641.1N 0772042.5E | 1791 FT | LGTD | WATER TANK |
| In circling area and at AD | TREE | 231720.4N 0771934.1E | 1810 FT | NIL | TREE |
| In circling area and at AD | TOWER | 231635.3N 0772237.3E | 1939 FT | LGTD | CELL PHONE MAST |
| In circling area and at AD | TOWER | 231615.1N 0772308.2E | 1972 FT | LGTD | CELL PHONE MAST |
| In circling area and at AD | BUILDING | 231620.8N 0772301.6E | 1944 FT | NIL | SCHOOL BUILDING |
| In circling area and at AD | BUILDING | 231659.4N 0772150.4E | 2106 FT | NIL | TEMPLE |
| In circling area and at AD | BUILDING | 231644.7N 0772042.3E | 1762 FT | NIL | BUILDING |
| In circling area and at AD | WATER TOWER | 231711.6N 0771947.0E | 1781 FT | LGTD | WATER TANK |
| In circling area and at AD | TOWER | 231701.9N 0772151.1E | 2095 FT | LGTD | CELL PHONE MAST |
| In circling area and at AD | BUILDING | 231623.9N 0772250.4E | 1939 FT | NIL | NEHRU HOSPITAL |
| In circling area and at AD | CONTROL TOWER | 231707.5N 0772030.1E | 1777 FT | LGTD | ATC TOWER |
| In circling area and at AD | BUILDING | 231704.5N 0772035.0E | 1743 FT | LGTD | MET BUILDING |
| In circling area and at AD | BUILDING | 231706.5N 0772028.1E | 1739 FT | LGTD | OLD TERMINAL BUILDING |

VABP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|---|--|------------------------|
| 1 | Name of the associated meteorological office | Bhopal |
| 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 | Bhopal 9 AND 24HRS |
| 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 Form (English) |
| 7 | Charts and other information displayed or available for briefing or consultation | S,U85,U70,U50,U30,U20 |

| | | |
|----|---|--------------------|
| 8 | Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images; | Telephone |
| 9 | The air traffic services unit(s) provided with meteorological information | Bhopal ATC and ACS |
| 10 | Additional information, e.g. concerning any limitation of service. | NIL |

VABP 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 |
| 12 | 117.67 DEG | 2744 x 45 M | 88/F/C/X/T | THR: 231740.52N 0771905.05E |
| 30 | 297.67 DEG | 2744 x 45 M | 88/F/C/X/T | THR: 231659.10N 0772030.57E |

| 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: 1711.0FT TDZ: 1718.0FT | -0.06% | NIL | | 2864 x 300 M |
| THR: 1709.0FT TDZ: 1719.0FT | 0.06% | NIL | | 2864 x 300 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 |
| 90M x 90M | | NIL | 1. PCN RWY 12: 0-699M: 63/F/B/W/T 699-2744M: 88/F/C/W/T 2. Between TWY E and TWY G the strip varies from 135 to 140M |
| 90M x 90M | | NIL | 1. PCN RWY 30 0-2045M: 88/F/C/W/T 2045M-2744M: 63/F/B/W/T |

VABP 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 |
| 12 | 2744 | 2744 | 2744 | 2744 | --- |
| 30 | 2744 | 2744 | 2744 | 2744 | |

VABP 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 |
| 12 | SALS 420 M LIH | Green | PAPI LEFT/3.00 DEG MEHT (30.00FT) | |
| 30 | CAT I 900 M LIH | Green | PAPI LEFT/3.00 DEG MEHT (30.00FT) | |

| 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 |
| | 2744 M 60 M White LIH | Red | | Cross bar consisting of 11 LGT fittings at a distance of 300M from THR RWY 12. |
| | 2744 M 60 M White LIH | Red | | Cross bar provided at distance of 150M, 300M, 450M, 600M and 750M from THR RWY 30 |

VABP AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | | |
|---|---|---|--|
| 1 | Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any) | ABN | At ATC Tower Building FLG White & Green FREQ 24-30 revolution per minute. HO |
| | | IBN | NIL |
| 2 | Location and lighting (if any) of anemometer/landing direction indicator; | LDI | Near signal area lighted |
| | | Anemometer | On tower building, not lighted |
| 3 | Taxiway edge and taxiway centre line lights; | Edge | AVBL |
| | | Centre Line | NIL |
| 4 | Secondary power supply including switch-over time; | Secondary power supply to all lighting at AD. Switch-over time: 15 Sec. | |
| 5 | Remarks | NIL | |

VABP 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 |

VABP AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

| | | |
|---|---|--|
| 1 | Airspace designation, geographical coordinates and lateral limits | CTR: Circular area centered on ARP VABP (231713N 0772013E) within a 30NM radius. |
| 2 | Vertical limits | FL 55 |
| 3 | Airspace classification | D |
| 4 | Call sign and language(s) of the air traffic services unit providing service; | Bhopal Tower, English |
| 5 | Transition altitude | 5000 FT |
| 6 | Hours of applicability | HO |
| 7 | Remarks | NIL |

VABP AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

| Service Designation | Call sign | Channel(s) | SATVOICE Number(s), if available |
|---------------------|--------------------|-------------|----------------------------------|
| 1 | 2 | 3 | 4 |
| APP | Bhopal Approach | 118.050 MHZ | |
| TWR | Bhopal Tower | 118.050 MHZ | |
| TWR | Bhopal Tower | 118.550 MHZ | |
| ATIS | Bhopal Information | 127.250 MHZ | |

| Logon address, as appropriate | Hours of operation | Remarks |
|-------------------------------|--------------------|----------------------------|
| 5 | 6 | 7 |
| | As ATS | TWR & APP Service Combined |
| | As ATS | NIL |
| | As ATS | ALT FREQ |
| | As ATS | NIL |

VABP 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 30 | IBPH | 109.900 MHz | As ATS |
| GP 30 | IBPH | 333.800 MHz | As ATS |
| DME ILS 30 | IBPH | CH36X | 0100- 1630 |
| DVOR/DME | BPL | 117.100 MHz CH118X | 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 |
| 231746.7N 0771852.3E | | | |
| 231700.3N 0772018.6E | | | 3 DEG |
| 231700.3N 0772018.6E | 1754 FT | | Collocated with GP30 |
| 231657.9N 0772009.1E | 1744 FT | | |

VABP AD 2.20 LOCAL AERODROME REGULATIONS

VABP AD 2.21 NOISE ABATEMENT PROCEDURES

VABP AD 2.22 FLIGHT PROCEDURES

VABP AD 2.23 ADDITIONAL INFORMATION

NIL

VABP AD 2.24 CHARTS RELATED TO AN AERODROME

1. Aerodrome Chart
2. Aircraft Parking/Docking Chart
3. Aerodrome Obstacle Chart Type – A (Operating Limitations) RWY 12/30
4. ILS (Z) Procedure RWY 30
5. ILS (Y) Procedure RWY 30
6. VOR (Z) Procedure RWY 12
7. VOR (Z) Procedure RWY 30

AERODROME CHART

23°17'12.91"N
077°20'13.07"E

ELEV 1719

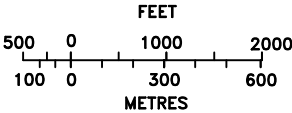
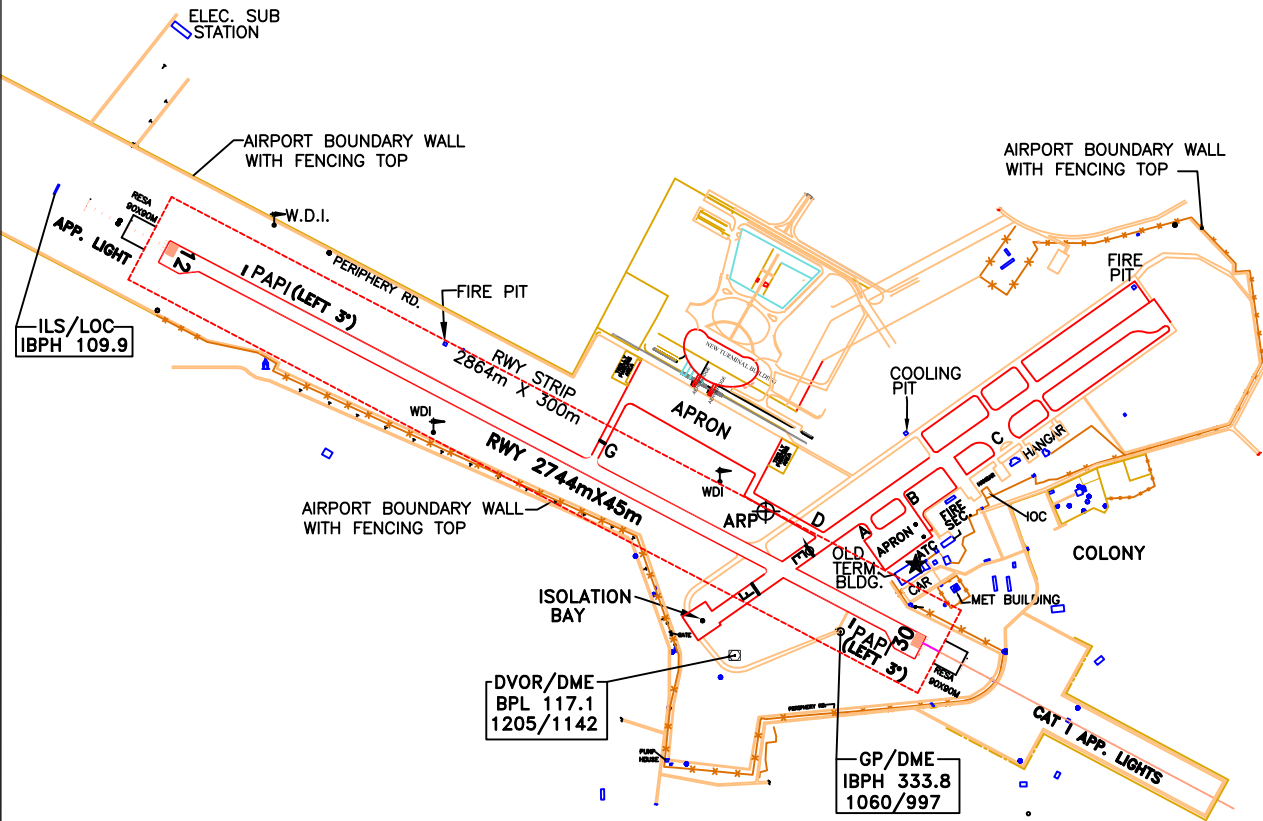
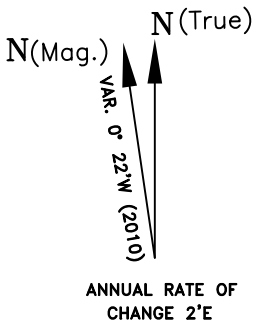
TWR 118.05/118.55

BHOPAL,INDIA

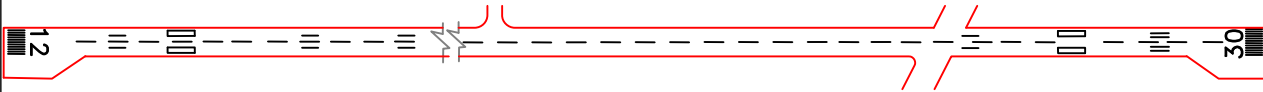
RAJA BHOJ AIRPORT

| RWY | DIRECTION | THR CO-ORDINATES | THR ELEV. | BEARING STRENGTH |
|-----|-----------|---------------------------------|--------------|---|
| 12 | 118° | 23°17'40.52"N 077°19'05.05"E | 1711 | RWY 30/12 FROM 0 TO 2045M 88/F/C/W/T |
| 30 | 298° | 23°16'59.10"N 077°20'30.57"E | 1709 | FROM 2045M TO 2744M 63/F/B/W/T |

- * DATUM : WGS-84
- * BEARINGS ARE MAGNETIC
- * DIMENSIONS IN METRES
- * ELEVATIONS IN FEET
- * TAXIWAY 23M WIDE



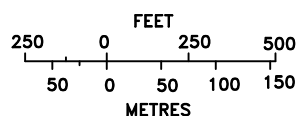
MARKING AIDS RUNWAY 12/30



NOTE: AERONAUTICAL GROUND LIGHTS ARE NOT SHOWN IN THIS CHART

DATE OF AERONAUTICAL INFORMATION
FEB. 2016

RAJA BHOJ AIRPORT



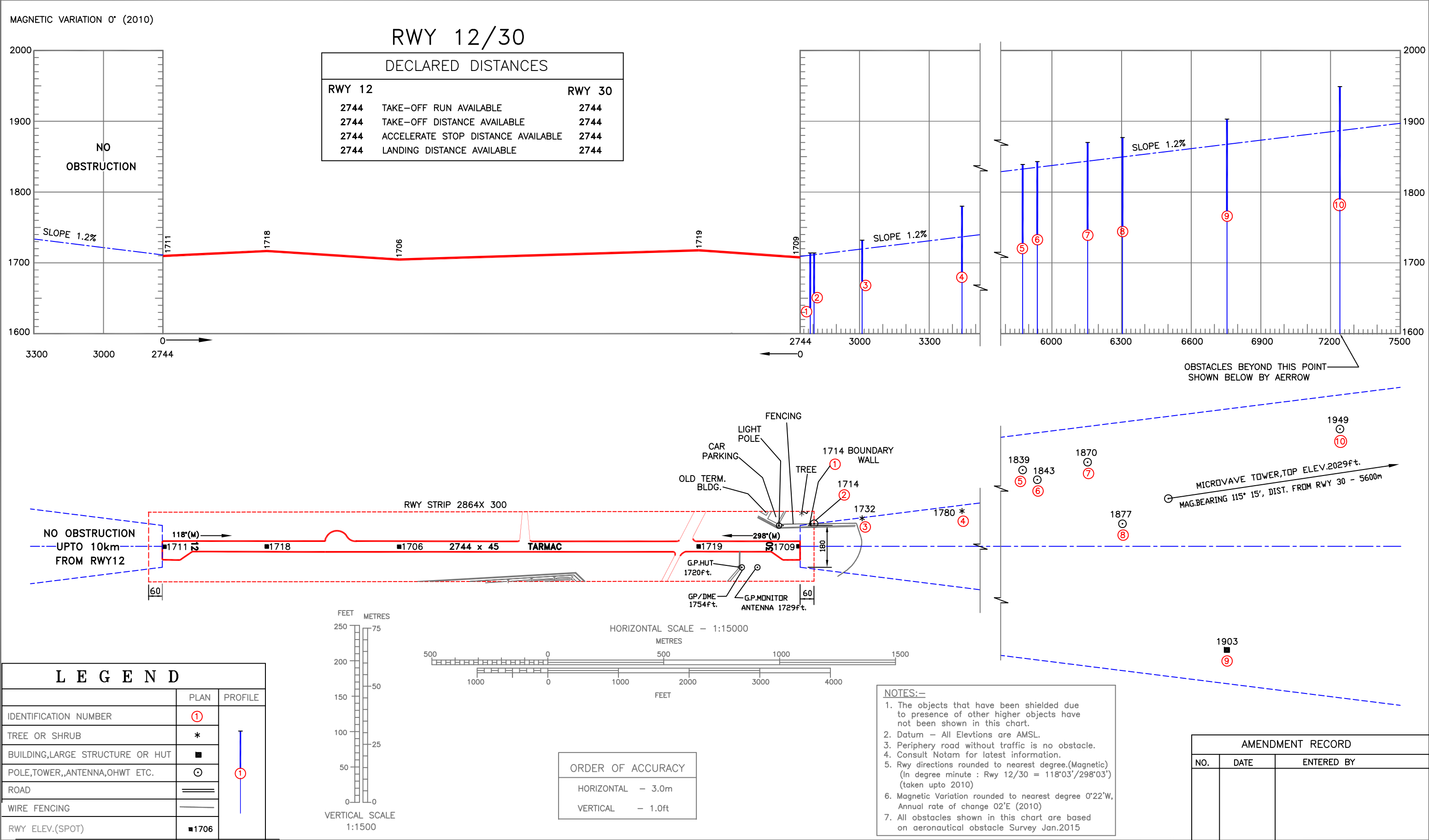
| STAND NO. | WGS84 CO-ORDINATES | WINGSPAN | LEN | POWER IN/OUT | PCN | ELEV. | | | |
|-----------|------------------------|----------|-----|---------------------|------------|-------|---------------|------------|-------|
| | NEW APRON | | | | | | | | |
| 1. | 231726.95N 0771959.15E | 36M | 45M | POWER IN, POWER OUT | 80/R/C/W/T | 1707 | | | |
| 2. | 231726.32N 0772000.48E | 36M | 45M | POWER IN, POWER OUT | 80/R/C/W/T | 1707 | | | |
| 3. | 231725.46N 0772002.24E | 36M | 45M | POWER IN, POWER OUT | 80/R/C/W/T | 1707 | | | |
| 4. | 231724.82N 0772003.56E | 36M | 45M | POWER IN, POWER OUT | 80/R/C/W/T | 1707 | | | |
| 5. | 231724.46N 0772006.78E | 36M | 45M | POWER IN, PUSH BACK | 80/R/C/W/T | 1706 | | | |
| 6. | 231723.60N 0772007.98E | 36M | 45M | POWER IN, PUSH BACK | 80/R/C/W/T | 1706 | | | |
| 7. | 231721.82N 0772008.65E | 36M | 45M | POWER IN, POWER OUT | 80/R/C/W/T | 1706 | | | |
| 8. | 231721.90N 0772012.33E | 27M | 27M | POWER IN, POWER OUT | 80/R/C/W/T | 1704 | ISOLATION BAY | PCN | WIDTH |
| 9. | 231720.96N 0772011.79E | 27M | 27M | POWER IN, POWER OUT | 80/R/C/W/T | 1705 | | 80/R/C/W/T | |
| 10. | 231719.64N 0772011.05E | 27M | 27M | POWER IN, POWER OUT | 80/R/C/W/T | 1705 | | | |
| 11. | 231721.20N 0772013.78E | 27M | 27M | POWER IN, POWER OUT | 80/R/C/W/T | 1699 | TAXIWAY | | |
| 12. | 231720.25N 0772013.24E | 27M | 27M | POWER IN, POWER OUT | 80/R/C/W/T | 1704 | TWY G | 80/R/C/W/T | 23M |
| 13. | 231718.94N 0772012.50E | 27M | 27M | POWER IN, POWER OUT | 80/R/C/W/T | 1705 | TWY F | 80/F/C/W/T | 23M |
| | OLD APRON | | | | | | TWY E | 78/F/C/W/T | 45M |
| 1. | 231708.44N 0772027.82E | 36M | 45M | POWER IN, POWER OUT | 60/R/B/W/T | 1711 | TWY D | 69/R/B/W/T | 23M |
| 2. | 231709.54N 0772029.55E | 36M | 45M | POWER IN, POWER OUT | 60/R/B/W/T | 1710 | TWY C | — | 23M |
| 3. | 231709.51N 0772027.02E | 27M | 27M | POWER IN, POWER OUT | 60/R/B/W/T | 1711 | TWY B | 73/R/B/W/T | 23M |
| 4. | 231710.78N 0772028.70E | 27M | 27M | POWER IN, POWER OUT | 60/R/B/W/T | 1711 | TWY A | 78/F/C/W/T | 23M |

eAIP 2.0

ELEVATIONS IN FEET
ALL OTHER DIMENSIONS IN METRES

AERODROME OBSTACLE CHART
TYPE -A (OPERATING LIMITATIONS)

INDIA/BHOPAL
RAJA BHOJ AIRPORT/RWY 12/30



INSTRUMENT
APPROACH
CHARTAERODROME ELEV. 1719ft
HEIGHT RELATED TO
THR RWY 30 ELEV.1709ftTWR.118.05
APP.118.05BHOPAL(VABP)
INDIA
ILS (Z) RWY 30
(Cat.A/B&C)

77°10' E

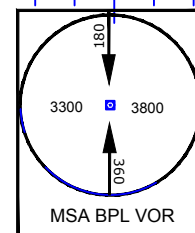
77°20'

77°30'

23°
30' N23°
30' N

All radials and distances are from VOR (117.1 BPL)
unless otherwise specified.
BEARING ARE MAGNETIC.
ALTITUDE, ELEVATIONS AND HEIGHTS IN FEET.
VAR 0°22' W 2010

DME REQUIRED



NOTE

1. ATC may clear with in
aerodrome control zone aircraft
established on any radial other
than the promulgated radial to
join 12D VOR-DME arc procedure
at or above 3800ft.

GP-INOPERATIVE PROCEDURE
FAF 5.5D (IBPH)
Altitude at FAF 3470ft
Descent Gradient 5.24% (3 Deg)
MAPt 1D (IBPH)

VOR/DME 117.1
BPL
23° 16' 57.9"N
77° 20' 09.1"E

LO 363
BH
23° 14' 33"N
77° 25' 40.5"E

SCALE

1 0 1 2 3 4NM

Transition Alt. 5000

MISSED APPROACH

Climb straight ahead and turn RIGHT
at 3800ft. or at 5D (IBPH) to VOR to
join holding or as instructed by ATC.

ILS RDH 57

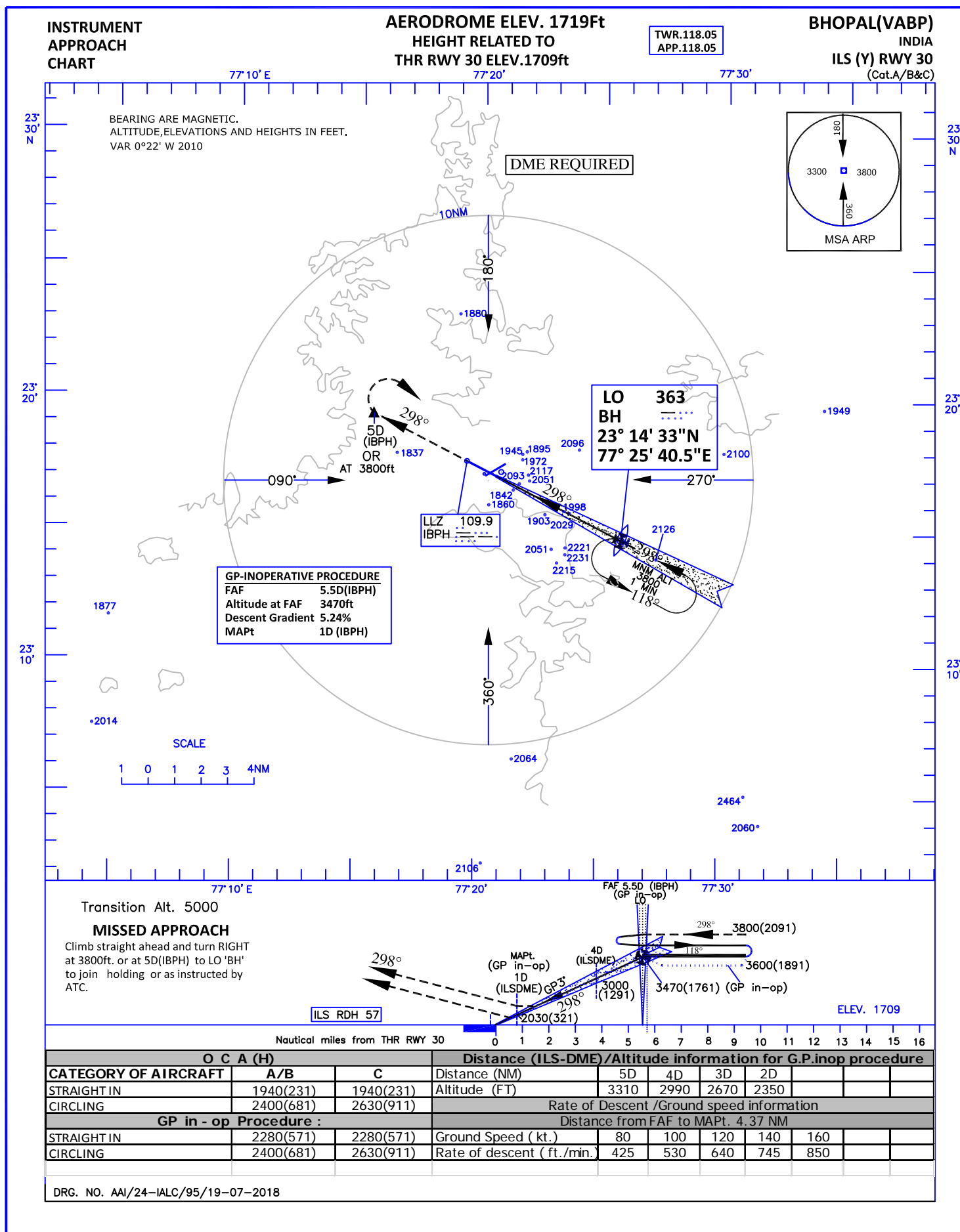
Nautical miles from THR RWY 30

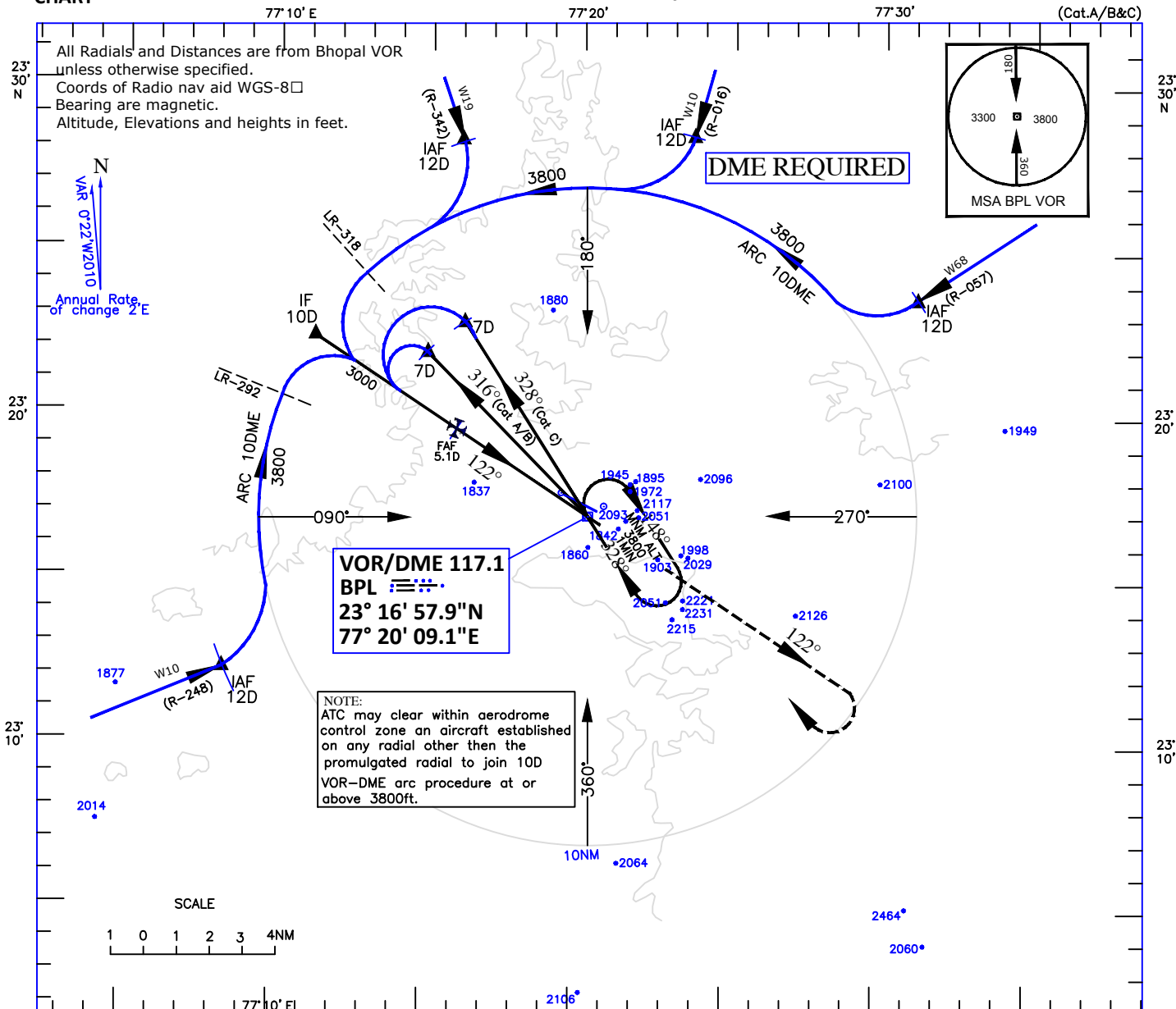
Procedure
turn at
LO
or
6D (BPL)

ELEV. 1709

| O C A (H) | | | Distance (IBPH)/Altitude information for G.P.inoperative procedure | | | | | | |
|------------------------|-----------|-----------|--|------|------|------|------|-----|--|
| CATEGORY OF AIRCRAFT | A/B | C | Distance (NM) | 5D | 4D | 3D | 2D | | |
| STRAIGHT IN | 1940(231) | 1940(231) | Altitude (FT) | 3310 | 2990 | 2670 | 2350 | | |
| CIRCLING | 2400(681) | 2630(911) | Rate of Descent /Ground speed information | | | | | | |
| GP in - op Procedure : | | | Distance from FAF to MAPt. 4.37 NM | | | | | | |
| STRAIGHT IN | 2280(571) | 2280(571) | Ground Speed (kt.) | 80 | 100 | 120 | 140 | 160 | |
| CIRCLING | 2400(681) | 2630(911) | Rate of descent (ft./min.) | 425 | 530 | 640 | 745 | 850 | |

DRG. NO. AAI/24-IALC/95/19-07-2018



INSTRUMENT
APPROACH
CHARTAERODROME ELEV. 1719Ft
HEIGHT RELATED TO
THR RWY 12 ELEV. 1711 FtTWR.118.05
APP.118.05BHOPAL
INDIA
VOR (Z) RWY 12
(Cat.A/B&C)

Transition Alt. 5000

MISSED APPROACH

Climb straight ahead to 3800ft. then
turn RIGHT to VOR to join holding
or as instructed by ATC.

ELEV. 1711

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|----|----|----|----|----|-----------|---|---|-----------|---|---|---|---|---|------|--------------------------------|------|--|------|--|-----|--|-----|--|-----|--|
| 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | Nautical miles from THR RWY 12 | | | | | | | | | | |
| O C A(H) | | | | | | | | | | | | | | | | Distance Altitude information | | | | | | | | | | |
| CATEGORY OF AIRCRAFT | | | | | | A/B | | | C | | | Distance(NM) | | | 5.1D | | 4D | | 3D | | | | | | | |
| STRAIGHT-IN | | | | | | 2350(639) | | | 2350(639) | | | Altitude (ft.) | | | 3000 | | 2650 | | 2330 | | | | | | | |
| CIRCLING | | | | | | 2400(681) | | | 2630(911) | | | Rate of Descent /Ground speed information | | | | | | | | | | | | | | |
| | | | | | | | | | | | | Ground speed (kt.) | | | 80 | | 100 | | 120 | | 140 | | 160 | | 180 | |
| | | | | | | | | | | | | Rate of descent (ft/min) | | | 420 | | 525 | | 630 | | 755 | | 845 | | 950 | |
| DRG. NO. AAI/43-IALC/95/01-05-2016 | | | | | | | | | | | | | | | | | | | | | | | | | | |

DRG. NO. AAI/43-IALC/95/01-05-2016

