#### **AD 2. AERODROMES**

#### **VOBG AD 2.1 AERODROME LOCATION INDICATOR AND NAME**

VOBG - HAL AIRPORT BENGALURU / DOMESTIC

#### VOBG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

| 1 | Aerodrome reference point coordinates and its site   | 125708N 0773953E<br>322.5 DEG at 762m from Control TWR |                      |  |  |
|---|--|--|----------------------|--|--|
| 2 | Direction and distance of aerodrome reference<br>point from the center of the city or town which<br>the aerodrome serves | 6.3 Nm (11.6 Km) south east of Bengaluru City          |                      |  |  |
| 3 | Aerodrome elevation and reference temperature  | 2912 FT / 33.9 DEG C                                   | 2912 FT / 33.9 DEG C |  |  |
| 4 | Magnetic variation, date of information and annual change  | 2.15 DEG W (1995) /0.017 DEG E                         |                      |  |  |
| 5 | Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)             |  |                      |  |  |
|   |  |  |                      |  |  |
|   |  |  |                      |  |  |
|   |  | AFS:   | VOBGZPZX             |  |  |
|   |  | Email:   | halatcmail@gmail.com |  |  |
| 6 | Types of traffic permitted (IFR/VFR)   | IFR/VFR  |                      |  |  |
| 7 | Remarks  | NIL  |                      |  |  |

### **VOBG AD 2.3 OPERATIONAL HOURS**

| 1  | Aerodrome Operator         | MON - SAT: 0130 - 0930 UTC (0700-1500 IST)  |
|----|----------------------------|---|
| 2  | Custom and immigration     | NIL   |
| 3  | Health and sanitation      | Available on prior notice   |
| 4  | AIS briefing office        | H24   |
| 5  | ATS reporting office (ARO) | H24   |
| 6  | MET Briefing office        | H24   |
| 7  | Air Traffic Service        | H24   |
| 8  | Fuelling                   | 0030 - 1630 UTC   |
| 9  | Handling                   | H24 Available on prior notice to HAL-Air India Joint Working Group.                                       |
| 10 | Security                   | H24   |
| 11 | De-icing De-icing          | NIL   |
| 12 | Remarks                    | Prior permission required for Non-Sked Flights (Including Military)     AVGAS 100 LL Refuelling not AVBL. |

# VOBG AD 2.4 HANDLING SERVICES AND FACILITIES

| 1 | Cargo-handling facilities | Contact HAL-A1 JWG for details                     |  |
|---|---------------------------|--|--|
| 2 | Fuel and Oil types        | JET A1<br>(with IOC/BPCL)<br>MWM-451<br>(with IOC) |  |

| 3 | Fuelling facilities and capacity        | IOC: 6KL, 16KL & 27KL refuellers.<br>BPCL: 9KL,127KL & 18KL refuellers.  |  |  |  |
|---|---|--|--|--|--|
| 4 | De-icing facilities                     | NIL  |  |  |  |
| 5 | Hangar space for visiting aircraft      | Nil  |  |  |  |
| 6 | Repair facilities for visiting aircraft | HAL: Servicing checks 'C' & 'D', structural repairs, and composite repairs for B-737 & ATR-72 Repair/Overhaul facilities with overhaul division of HAL for certain military aircrafts. |  |  |  |
| 7 | Remarks                                 | HAL - Air India joint working group provide ground handling or prior notice.   |  |  |  |
|   |   | HAL - AI JWG Office +91-80-22323214<br>+91-80-22317829<br>Fax: +91-80-22317041<br>IOC Operational Room (Except<br>Sundays and holidays) 91-80-25220944<br>FAX: 080-25227096            |  |  |  |
|   |   |  |  |  |  |
|   |   | BPCL Operational Room (All +91-9845514113 Days)  |  |  |  |

#### **VOBG 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        | In the city  |
| 3 | Transportation possibilities                            | Taxies, Coaches and Public Buses   |
| 4 | Medical Facilities                                      | HAL Hospital at AD and in the city   |
| 5 | Bank and post office at or in the vicinity of aerodrome | Banks: at AD<br>Post office: 0300-1100 (0830-1630 IST)   |
| 6 | Tourist office  | NIL  |
| 7 | Remarks   | 1.Fixed base operation at AD fully airconditioned 12-seater conference room pilot rest room pantry with dining room. PH: +91-80-25227374 |

#### **VOBG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES**

| 1 | Aerodrome category for fire fighting        | Within ATS HR: CAT-7                           |
|---|---|--|
| 2 | Rescue equipment                            | Limited equipments available                   |
| 3 | Capability for removal of disabled aircraft | Cranes , Tractors, Jacks , Tow Bars available. |
| 4 | Remarks                                     | Upgradable to Cat 9 when required.             |

# VOBG AD 2.7 SEASONAL AVAILABILITY CLEARING

| 1 | Type(s) of clearing equipment | AD serviceable during all seasons |  |  |
|---|-------------------------------|-----------------------------------|--|--|
| 2 | Clearance priorities          | AD serviceable during all seasons |  |  |
| 3 | Remarks                       | AD serviceable during all seasons |  |  |

# VOBG AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

| 1 | Designation, surface and strength of aprons                                  | Designator: Apron 1 Surface: Concrete Strength: PCN 55/R/B/W/T  Designator: Apron 2 Surface: Concrete Strength:  Designator: Apron 3 Surface: Concrete Strength:  Designator: Apron 4 Surface: Concrete Strength:  Designator: Apron 5 Surface: Concrete Strength:  Designator: Apron 5 Surface: Concrete Strength:  Designator: Apron 6 Surface: Concrete Strength:   |
|---|--|--|
| 2 | Designation, width, surface and strength of taxiways                         | Designator: E1 Width: 23 M Surface: Asphalt Strength: PCN 55/F/A/W/T  Designator: E2 Width: 23 M Surface: Asphalt Strength:  Designator: M Width: 23 M Surface: Asphalt Strength: PCN 50/F/A/W/T  Designator: W1 Width: 23 M Surface: Asphalt Strength: PCN 56/F/A/W/T  Designator: W1 Width: 23 M Surface: Asphalt Strength: PCN 56/F/A/W/T  Designator: W2 Width: 23 M Surface: Asphalt Strength: PCN 47/F/A/X/T |
| 4 | Location and elevation of altimeter checkpoints  Location of VOR checkpoints | Apron1 2910FT; Apron2 2935FT; Apron3 2904FT  East Link TWY: Holding Position 284 DEG/0.5NM E2: Holding Position 045 DEG/0.3NM West Link TWY: Holding Position 273 DEG/1.3NM W2: Holding Position 273 DEG/1.67NM RWY 09 THR: 269 DEG/1.7NM RWY 27 THR: 055 DEG/0.2NM  |

| 5 | Position of INS checkpoints | RWY 09 THR: 125656.00N 0773913.70E (876.116M)<br>RWY 27 THR: 125706.00N 0774103.60E (881.690M)<br>West Link TWY W1: 878.309M<br>East Link TWY E1: 887.046M<br>ARP: 125708.00N 0773952.07E (888.347M)                         |
|---|-----------------------------|--|
| 6 | Remarks                     | W1/E1 refer to holding positions.  Apron1: 9 bays for A320/B737 or similar ACFT  Apron2: 3 bays for cargo/VIP ACFTS  Apron3: 2 bays for AN-32& 2 bays for Dornier or similar ACFT.  Apron4: 4bays for AN-32 or similar ACFT. |
|   |                             | Apron5: 5 bays for A320/B737 or similar ACFT  Apron6: 4 bays for A320/B737 or similar ACFT   |

# VOBG 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 |  |
|---|--|--|
| 2 | Runway and taxiway markings and lights   | RWY Markings: Designation, THR, TDZ, Centerline, Edge. RWY Lighting: Edge, THR/End. TWY Markings: Center Line, Holding Position . TWY Lighting: Edge |
| 3 | Stop bars (if any)   | NIL  |
| 4 | Remarks  | NIL  |

### **VOBG 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                |  |
| 27/TKOF<br>09/APCH | TREE   | 125655.2N<br>0773855.9E | 2898 FT   | NIL         | Tree on<br>Bund        |  |
| 27/TKOF<br>09/APCH | TREE   | 125653.3N<br>0773850.6E | 2933 FT   | NIL         | Tree (Pipal)           |  |
| 27/TKOF<br>09/APCH | TREE   | 125654.2N<br>0773846.0E | 2948 FT   | NIL         | Tree                   |  |
| 27/TKOF<br>09/APCH | TREE   | 125652.4N<br>0773832.8E | 2966 FT   | NIL         | Tree                   |  |
| 27/TKOF<br>09/APCH | TREE   | 125650.0N<br>0773859.3E | 2946 FT   | NIL         | Tree                   |  |
| 27/TKOF<br>09/APCH | OTHER  | 125656.2N<br>0773857.0E | 2890 FT   | NIL         | Mobile Road<br>Traffic |  |
| 27/TKOF<br>09/APCH | TREE   | 125659.8N<br>0773858.0E | 2922 FT   | NIL         | Tree                   |  |
| 27/TKOF<br>09/APCH | TREE   | 125655.9N<br>0773844.3E | 2932 FT   | NIL         | Tree                   |  |
| 27/TKOF<br>09/APCH | TREE   | 125657.2N<br>0773841.8E | 2958 FT   | NIL         | Tree                   |  |
| 27/TKOF<br>09/APCH | BUILDING                                     | 125653.3N<br>0773833.1E | 2946 FT   | NIL         | Building               |  |

|                            | Iı            | n Approach/Take-off/C   | ircling Area and at A | AD.         |                            |
|----------------------------|---------------|-------------------------|-----------------------|-------------|----------------------------|
| 1                          | 2             | 3                       | 4                     | 5           | 6                          |
| RWY/Area affected          | Obstacle type | Coordinates             | Elevation             | Marking/LGT | Remarks                    |
| 27/TKOF<br>09/APCH         | TREE          | 125652.6N<br>0773851.2E | 2953 FT               | NIL         | Group of<br>Trees          |
| 27/TKOF<br>09/APCH         | TREE          | 125701.4N<br>0773839.3E | 2965 FT               | NIL         | Group of<br>Trees          |
| 27/TKOF<br>09/APCH         | POLE          | 125659.4N<br>0773911.7E | 2894 FT               | NIL         | WDI                        |
| 27/TKOF<br>09/APCH         | BUILDING      | 125658.2N<br>0773910.4E | 2882 FT               | NIL         | Temple                     |
| 27/TKOF<br>09/APCH         | FUEL SYSTEM   | 125653.3N<br>0773911.7E | 2882 FT               | NIL         | Pump Station               |
| 27/TKOF<br>09/APCH         | POLE          | 125652.6N<br>0773912.0E | 2893 FT               | NIL         | Electric Pole              |
| 27/TKOF<br>09/APCH         | WALL          | 125652.4N<br>0773912.0E | 2876 FT               | NIL         | Boundary<br>Wall           |
| 27/TKOF<br>09/APCH         | OTHER         | 125651.7N<br>0773912.0E | 2889 FT               | NIL         | Mobile Road Traffic        |
| 27/TKOF<br>09/APCH         | ANTENNA       | 125656.2N<br>0773904.2E | 2878 FT               | NIL         | LOC<br>Antenna             |
| 27/TKOF<br>09/APCH         | OTHER         | 125702.7N<br>0773902.0E | 2891 FT               | NIL         | Mobile Road<br>Traffic     |
| 27/APCH<br>09/TKOF         | BUILDING      | 125708.7N<br>0774103.8E | 2903 FT               | NIL         | Security Hut               |
| 27/APCH<br>09/TKOF         | BUILDING      | 125702.8N<br>0774103.8E | 2903 FT               | NIL         | Security Hut               |
| 27/APCH<br>09/TKOF         | POLE          | 125657.2N<br>0774106.0E | 2912 FT               | NIL         | WDI                        |
| 27/APCH<br>09/TKOF         | TREE          | 125706.1N<br>0774125.3E | 2900 FT               | NIL         | Tree                       |
| 27/APCH<br>09/TKOF         | POLE          | 125702.8N<br>0774303.2E | 3000 FT               | NIL         | HT Pylon<br>Mast           |
| 27/APCH<br>09/TKOF         | POLE          | 125716.2N<br>0774303.6E | 3013 FT               | NIL         | HT Pylon<br>Mast           |
| In circling area and at AD | POLE          | 130357.0N<br>0774701.6E | 3287 FT               | LGTD        | Air Mast                   |
| In circling area and at AD | TOWER         | 125458.1N<br>0773535.0E | 3402 FT               | LGTD        | TV Tower                   |
| In circling area and at AD | TOWER         | 125458.0N<br>0773452.7E | 3363 FT               | LGTD        | Microwave<br>Tower 2       |
| In circling area and at AD | TOWER         | 125854.0N<br>0773520.7E | 3271 FT               | LGTD        | Microwave<br>Tower 1       |
| In circling area and at AD | BUILDING      | 125544.1N<br>0773506.7E | 3209 FT               | LGTD        | Jayanagar<br>Complex       |
| In circling area and at AD | BUILDING      | 125826.0N<br>0773637.7E | 3291 FT               | LGTD        | Public Utility<br>Building |

# VOBG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| 1 | Name of the associated meteorological office   | AD MET service, Bengaluru |
|---|--|---------------------------|
| 2 | Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours | H24                       |
| 3 | Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts         |                           |

| 4  | Availability of the trend forecast for the aerodrome and interval of issuance   | NIL   |
|----|---|---|
| 5  | Information on how briefing and/or consultation is provided   | Self-briefing   |
| 6  | Types of flight documentation supplied and language(s) used in flight documentation   | NIL   |
| 7  | Charts and other information displayed or available for briefing or consultation  | METAR   |
| 8  | Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images; |   |
| 9  | The air traffic services unit(s) provided with meteorological information   | HAL ATS Reporting Office                                    |
| 10 | Additional information, e.g. concerning any limitation of service.  | Ph: +91-80-25220960, +91-80-22322658<br>Fax-+91-80-25228387 |

# VOBG AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

| Designations | TRUE Bearings | Dimensions of RWY<br>(M) | Strength of pavement (PCN) and associated data) and surface of runway and associated stopways | Geographical<br>coordinates for<br>threshold and<br>runway end |
|--------------|---------------|--------------------------|---|--|
| 1            | 2             | 3                        | 4   | 5  |
| 09           | 85.00 DEG     | 3306 x 61 M              | 60/F/A/X/T<br>Asphalt   | THR:<br>125656.00N<br>0773913.70E                              |
| 27           | 265.00 DEG    | 3306 x 61 M              | 60/F/A/X/T<br>Asphalt   | THR:<br>125706.00N<br>0774103.60E                              |

| THR elevation and highest elevation of TDZ of precision APP RWY | Slope of<br>runway and<br>associated<br>stopway | Dimensions of<br>stopway<br>(M) | Dimensions of<br>clearway<br>(M) | Dimensions of<br>strips<br>(M) |
|---|---|---------------------------------|----------------------------------|--------------------------------|
| 6   | 7   | 8                               | 9                                | 10                             |
| THR: 2874.0FT<br>TDZ:   | 0.63%   | 90 x 61 M                       | 300 x 150                        | 3666 x 165 M                   |
| THR: 2893.0FT<br>TDZ:   | 0.39%   |                                 | 300 x 150                        | 3666 x 165 M                   |

| Dimensions of<br>runway end<br>safety areas | Location and<br>description of<br>arresting system<br>(if any)   | Existence of an<br>obstacle-free<br>zone | Remarks.   |
|---|--|--|--|
| 11  | 12   | 13                                       | 14   |
| 150M x 61M                                  | Location: RWY09 Dumbell 40M beyond THR. Description: Barrier is raised only for fighter ops. Barrier when raised at the end of active RWY has height of approximately 3.4m. Barrier arms in lowered position has height of approximately 0.25m on either side beyond dumbell. Barrier is remotely controlled from TWR. Pilots to exercise caution while landing and takeoff  | Eastern side of Airport                  | 1. Over all Slope: 0.35 % 2. A distance of 90M is available as SWY for RWY 09. However, caution should be exercised for a steep drop in terrain after 60M from the described SWY. 3. Width of strip: 90M North of RWY centerline. 75M South of RWY centerline. 4. Trees have been planted in the Golf club grounds, which is situated approximately 1km west of RWY (Approach path of RWY09), these trees are being pruned by golf club personnel periodically on the advice of ATS authorities to be within permissible limit. 5. RESA of 150M & 140M is available. Caution has to be exercised for a steep drop in the terrain after RESA for RWY 09     |
| 150M x 61M                                  | Location: RWY27 Dumbell 32M beyond THR. Description: Barrier is raised only for fighter ops. Barrier when raised at the end of active RWY has height of approximately 3.4m. Barrier arms in lowered position has height of approximately 0.25m on either side beyond dumbell. Barrier is remotely controlled from TWR. Pilots to exercise caution while landing and take-off | Eastern side of Airport                  | 1. Over all Slope: 0.35 %  2. A distance of 90M is available as SWY for RWY 09. However, caution should be exercised for a steep drop in terrain after 60M from the described SWY.  3. Width of strip: 90M North of RWY centerline. 75M South of RWY centerline.  4. Trees have been planted in the Golf club grounds, which is situated approximately 1km west of RWY (Approach path of RWY09), these trees are being pruned by golf club personnel periodically on the advice of ATS authorities to be within permissible limit.  5. RESA of 150M & 140M is available. Caution has to be exercised for a steep drop in the terrain after RESA for RWY 09 |

### **VOBG AD 2.13 DECLARED DISTANCES**

| RWY Designator | Take-off<br>run<br>available<br>TORA<br>(M) | Take-off<br>distance<br>available<br>TODA<br>(M) | Accelerate<br>distance<br>available<br>ASDA<br>(M) | Landing<br>distance<br>available<br>LDA<br>(M) | Remarks (including runway entry or start point where alternative reduced declared distances have been declared) |
|----------------|---|--|--|--|---|
| 1              | 2   | 3  | 4  | 5  | 6   |
| 09             | 3306  | 3606   | 3396   | 3307   | For Heavy Aircraft:<br>TORA: 3155 M<br>TODA: 3429 M<br>ASDA: 3155 M<br>LDA: 3307 M                              |
| 27             | 3306  | 3606   | 3306   | 3307   | For Heavy Aircraft:<br>TORA: 3155 M<br>TODA: 3429 M<br>ASDA: 3155 M<br>LDA: 3307 M                              |

### VOBG AD 2.14 APPROACH AND RUNWAY LIGHTING

| Runway<br>Designator | Type, length and intensity of approach lighting system | Runway threshold<br>lights, colour and<br>wing bars | Type of visual<br>slope indicator<br>system | Length of runway<br>touchdown zone<br>lights |
|----------------------|--|---|---|--|
| 1                    | 2  | 3   | 4   | 5  |
| 09                   | SALS<br>300 M  | Green   | PAPI<br>LEFT/3.00 DEG                       |  |
| 27                   | SALS<br>300 M  | Green   | PAPI<br>LEFT/3.00 DEG                       |  |

| Length, spacing,<br>colour and<br>intensity of<br>runway centre line<br>lights | Length, spacing,<br>colour and<br>intensity of<br>runway edge lights | Colour of runway<br>end lights and<br>wing bars | Length and colour of stopway lights | Remarks |
|--|--|---|-------------------------------------|---------|
| 6  | 7  | 8   | 9                                   | 10      |
|  | 3300 M<br>60 M   | Red   |                                     | NIL     |
|  | 3300 M<br>60 M   | Red   |                                     | NIL     |

# **VOBG AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY**

| 1 | Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any) | ABN   | NIL  |
|---|---|---|--|
|   |   | IBN   | Nil  |
| 2 | Location and lighting (if any) of anemometer/landing direction indicator;                           | LDI   | Appx. 700 M North of<br>Control Tower unlighted                    |
|   |   | Anemometer  | Over ATS reporting office (1000m north of control tower) unlighted |
| 3 | Taxiway edge and taxiway centre line lights;  | Edge  | All TWY except W2 (Reflectors AVBL)                                |
|   |   | Centre Line   | NIL  |
| 4 | Secondary power supply including switch-over time;  | Secondary power supply to all lighting at AD 6 sec. |  |

# VOBG 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 | Helinad Brayo: 125718 1N 0774043 6F        |
|---|---|--|
| 2 | TLOF and/or FATO area elevation:  | Helipad Alpha: 881m<br>Helipad Bravo: 891m |
| 3 | TLOF and FATO area dimensions to the nearest metre or foot, surface type, bearing strength and marking;   |  |
| 4 | True bearings of FATO;  | NIL  |
| 5 | Declared distances available  | NIL  |
| 6 | Approach and FATO lighting;   | NIL  |
| 7 | Remarks   | NIL  |

# VOBG AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

| 1 | Airspace designation, geographical coordinates and lateral limits             | CTR: Not Established   |
|---|---|--|
| 2 | Vertical limits   |  |
| 3 | Airspace classification   |  |
| 4 | Call sign and language(s) of the air traffic services unit providing service; | HAL TOWER / HAL APPROACH, English  |
| 5 | Transition altitude   | 7000 FT  |
| 6 | Hours of applicability  |  |
| 7 | Remarks   | Restricted Airspaces viz,<br>VOR 181A/VOR 181B/VOR 185 are<br>controlled by HAL (Bengaluru) ATC. |

### **VOBG AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES**

| Service Designation | Call sign       | Channel(s)  | SATVOICE Number(s),<br>if available |
|---------------------|-----------------|-------------|-------------------------------------|
| 1                   | 2               | 3           | 4                                   |
| PAR                 | HAL PRECISION   | 119.500 MHZ |                                     |
| APP                 | HAL APPROACH    | 127.700 MHZ |                                     |
| TWR                 | HAL TOWER       | 123.500 MHZ |                                     |
| ATIS                | HAL INFORMATION | 128.250 MHZ |                                     |
| RADAR               | HAL RADAR       | 122.700 MHZ |                                     |
| RADAR               | HAL RADAR       | 127.700 MHZ |                                     |

| Logon<br>address, as<br>appropriate | Hours of operation | Remarks                  |
|-------------------------------------|--------------------|--------------------------|
| 5                                   | 6                  | 7                        |
|                                     | 0130 - 1630 UTC    | NIL                      |
|                                     | H24                | VDF Available            |
|                                     | H24                | VDF Available            |
|                                     | H24                | Computer generated Voice |

| Logon<br>address, as<br>appropriate | Hours of operation | Remarks        |
|-------------------------------------|--------------------|----------------|
|                                     | 0130 - 1630 UTC    | Secondry Freq. |
|                                     | H24                | Primary Freq.  |

### **VOBG 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 27   | IBLR           | 110.500 MHz   | H24                                 |
| GP 27  |                | 329.600 MHz   | H24                                 |
| DME ILS 27   | IBLR           | CH24X   | H24                                 |
| DVOR/DME   | BBG            | 115.500 MHz<br>CH102X   | H24                                 |

| Geographical coordinates of the position of the transmitting antenna | Elevation of transmitting antenna of DME/ elevation of GBAS reference point | Service volume radius<br>from the GBAS<br>reference point | Remarks                                    |
|--|---|---|--|
| 5  | 6   | 7   | 8  |
| 125654.7N<br>0773903.9E  |   |   | Elevation of LOC antenna 2879<br>FT        |
| 125700.6N<br>0774055.6E  |   |   | Elevation of Glide Path<br>Antenna 2962 FT |
| 125700.6N<br>0774055.6E  | 2943 FT   |   | ILS DME<br>Collocated<br>With GP           |
| 125659.1N<br>0774051.6E  | 2945 FT   |   |  |

**VOBG AD 2.20 LOCAL AERODROME REGULATIONS** 

NIL

**VOBG AD 2.21 NOISE ABATEMENT PROCEDURES** 

NIL

**VOBG AD 2.22 FLIGHT PROCEDURES** 

1.PAR PROCEDURE:

| RWY  | 09           | 27           |
|--|--------------|--------------|
| Threshold elevation (FT)   | 2872         | 2890         |
| Inbound track (M)  | 088          | 268          |
| Intermediate Approach Altitude (FT)  | 4500         | 4500         |
| IF range from touch down(NM)   | 10           | 10           |
| Glide angle  | 3 DEG (5.3%) | 3 DEG (5.3%) |
| Termination point dist. from touch   | 1            | 1            |
| Down (NM)<br>OCA (FT)  | 3200         | 3200         |
| Missed approach procedure: climb straight ahead to 45 6000FT. OR: climb straight ahead to 4500FT turn left |              | at           |

#### **VOBG AD 2.23 ADDITIONAL INFORMATION**

i. Coordinates of stands in Apron 1

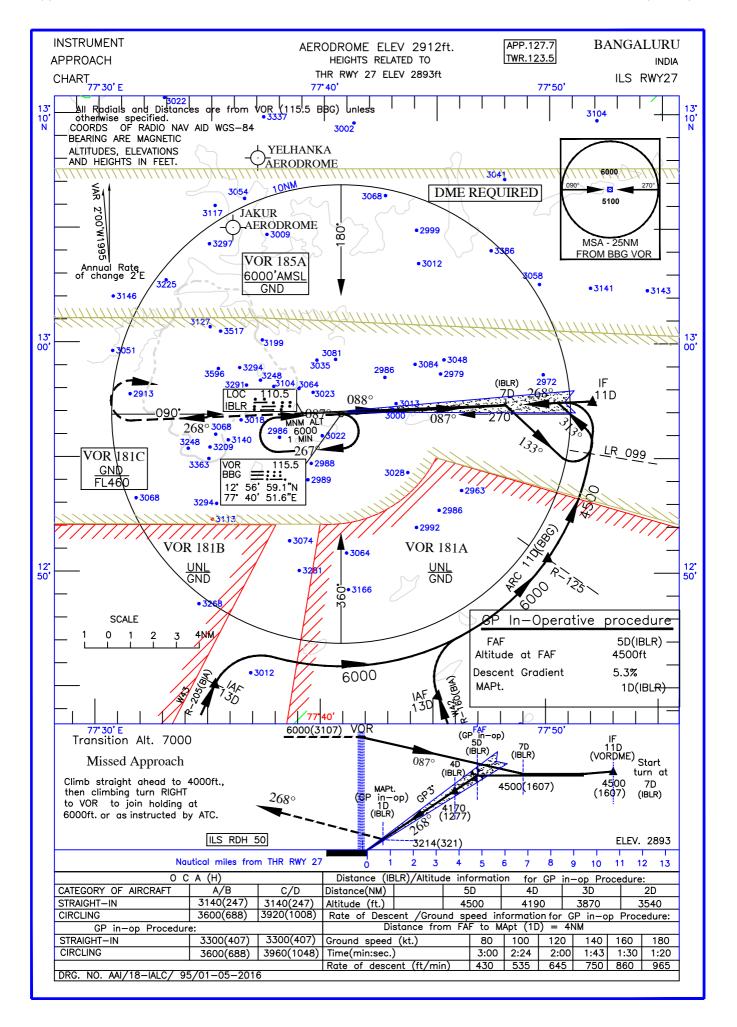
| Stand No | Coordinates            | Remarks   |
|----------|------------------------|---|
| 1        | N125713.00 E0773941.00 | 1. All the stands to be used in Power-in/push-back mode.                |
| 2        | N125/13.00 E0//3943.00 |   |
| 3        | N125713.00 E0773944.00 | 2. Nose-in guidance (PAPA-AGNIS) available for Bays 5/5A & 6. along     |
|          |                        | with Aerobridge facility.   |
| 4        | N125/13.00 E07/3945.00 |   |
| 5        | N125713.00 E0773947.00 | 3a. When Stand 5A is used, the vehicular path west of stand will remain |
|          |                        | closed  |
| 5A       | N125/12.00 E07/3946.00 |   |
| 6        | N125/13.00 E07/3949.00 | 3b. Two B/4/-400 types of aircraft could be parked in Bays 5A & Bay 6   |
|          |                        | simultaneously.   |
| 7        | N125/13.00 E0//3952.00 |   |
| 8        | N125/10.00 E07/3952.00 | 4. When Bay 4 is occupied, the aircraft parked in Bay 1, 2 & 3 (except  |
|          |                        | ATRs) shall be pushed   |
| 9        | N125710.00 E0773949.00 | back up to main taxiway to avoid jet blast to the aircraft in stand 4.  |
| 10       | N125/10.00 E0//394/.00 |   |

- ii. Operators of Medium/Heavy aircraft to ensure availability of Tow Bar for Pushback due to Nose-In Parking Stands.
- iii. TWY W2 operational for occasional use during daytime at the discretion of ATC. First 150M of TWY shoulder of intersection with TWY W1 (West Link) TWY is not ramped / merged with the adjoining area. All the taxiing aircraft to exercise caution.
- iv. TWY E2 available for operation during day and night for light and medium type of aircraft. Length 1390M from east link TWY to THR RWY 27.
- v. H24, Regular Helicopter flying will take place over Bravo Helipad which is 250 M North of RWY 09/27. All ARR/ DEP ACFT to exercise caution.
- vi. All Arrivals and Departures aircrafts may activate ACAS when flying over VOYK Air-Force base as intense training flights are in progress.
- vii. Microwave mast installed LOC 125714N 0773950E. Height 921M AMSL. Distance 1139 FT approx. from ARP. Lighted by night.

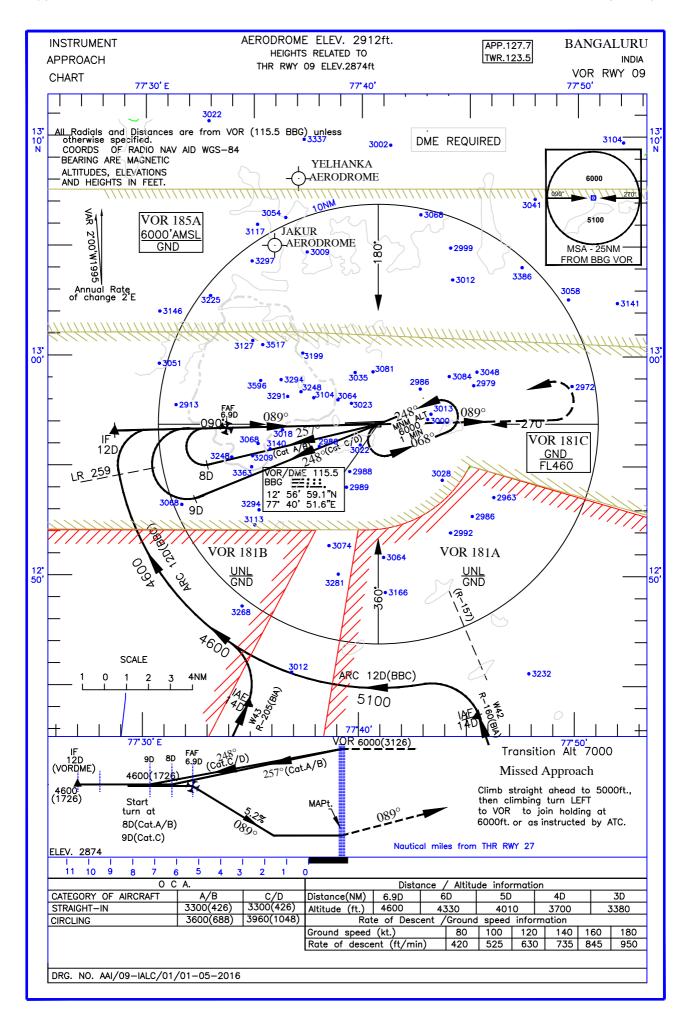
- viii. Heavy aircrafts to lineup 152m (500ft) ahead of THR markings to protect arrester barrier at both ends of RWY. For heavy aircrafts SWY not available for RWY 09/27.
- ix. APN 5 bay 1 is located south of main TWY behind APN 1 bay 7 and bay 8. ACFT parked in bay 7 and bay 8 may push back across the main TWY to APN 5 bay 1 facing north.
- 'x. Pushback bay' LOC south of main TWY ABM APN 1 behind bay 5 and bay 6. ACFT parked in APN 1 bay 5 and bay 6 to push back across main TWY to 'pushback bay' facing north.
- xi. Exercise caution during landing and take-off between 1130 to 1330 due to excess bird activity. DLY 0000-0200 EXP DLA for ARR/DEP due excessive bird act over the airfield.
- xii. Exercise caution for metal plate (Judder Plate) 1.5 M x 2.5 M fixed on RWY. From RWY27 Dumbell longitudianally.2500 FT laterally, 30FT north of Centre line.
- xiii. Avoid arrival /departure 0015 min prior to and 0045 min after sunset due bat activity over the Airport.

#### VOBG AD 2.24 CHARTS RELATED TO AN AERODROME

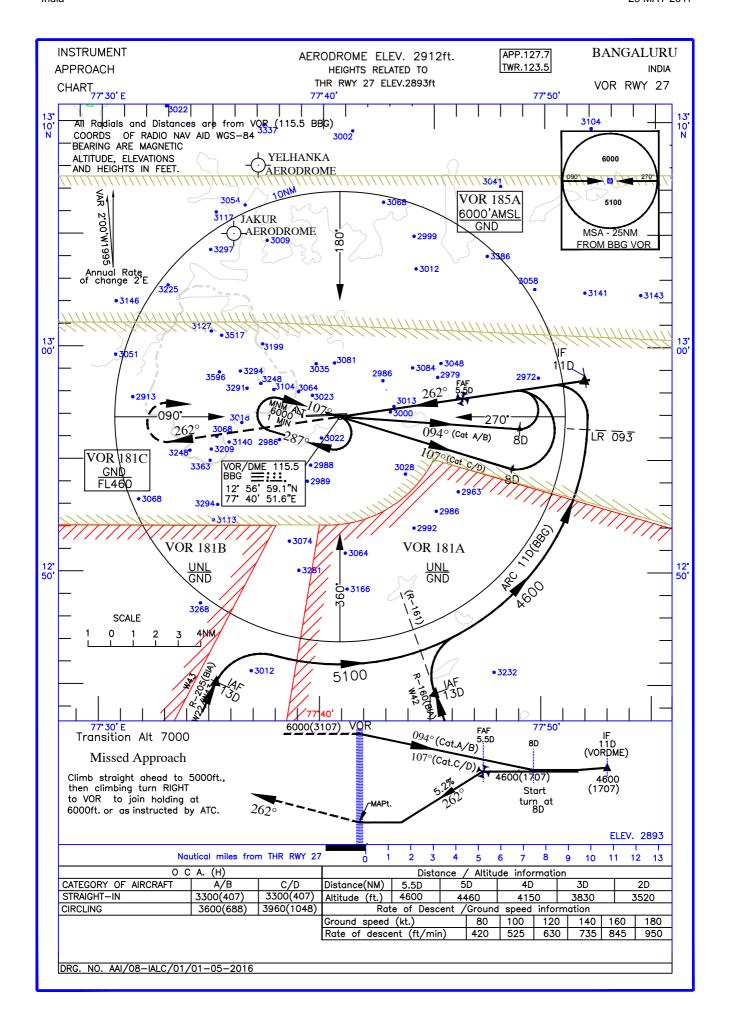
- 1.ILS Procedure RWY 27
- 2.VOR Procedure RWY 09
- 3.VOR Procedure RWY 27



Airports Authority of India eAIP 2.0



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