

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

VAOZ - OZAR / DOMESTIC

VAOZ AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

| | | |
|---|--|---|
| 1 | Aerodrome reference point coordinates and its site | 200712N 0735448E 360 DEG /40M from centre of Runway |
| 2 | Direction and distance of aerodrome reference point from the centre of the city or town which the aerodrome serves | 025 DEG /19 Km from Nasik Road Railway Station |
| 3 | Aerodrome elevation and reference temperature | 1995 FT / 38.3 DEG C |
| 4 | Magnetic variation, date of information and annual change | 0.42 DEG W (1990) /0.033 DEG E |
| 5 | Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available) | Hindustan Aeronautics Limited (HAL) Chief Manager, Airport Services Department, HAL, Ozar Airport, Ojhar Township - P.O. PIN 422 207 |
| | Telephone: | +91 2550 275816 |
| | Fax: | +91 2550 275816 +91-2550-275881 |
| | AFS: | |
| | Email: | atc.nsk@hal-india.com |
| 6 | Types of traffic permitted (IFR/VFR) | IFR/VFR |
| 7 | Remarks | NIL |

VAOZ AD 2.3 OPERATIONAL HOURS

| | | |
|----|----------------------------|--|
| 1 | Aerodrome Operator | MON-SAT 0230-0900 UTC (0800-1430 IST) HAL Holidays and all SUN - NIL |
| 2 | Custom and immigration | Custom available between 0430-1230 UTC (1000 to 1800 IST). Immigration available on call. |
| 3 | Health and sanitation | As ATS |
| 4 | AIS briefing office | As ATS |
| 5 | ATS reporting office (ARO) | As ATS |
| 6 | MET Briefing office | As ATS |
| 7 | Air Traffic Service | MON –SAT: 0230-0900 UTC (0800-1430 IST) HAL Holidays and all SUN - NIL. Also refer Remarks at serial no. 12 |
| 8 | Fuelling | As ATS |
| 9 | Handling | As ATS |
| 10 | Security | H24 |
| 11 | De-icing | NIL |
| 12 | Remarks | Operational hours extended as per requirement. All non-sked aircraft including IAF operator to take prior clearance on telefax +91-2550-275816. Alternate FAX +91-2550-275881. Mobile number of duty officer +91-9422246316. |

VAOZ AD 2.4 HANDLING SERVICES AND FACILITIES

| | | |
|---|---|--|
| 1 | Cargo-handling facilities | Up to 40 Ton per package handling possible |
| 2 | Fuel and Oil types | JET A1 Oil type MJO-II |
| 3 | Fuelling facilities and capacity | Indian Oil, 47,000 Litres |
| 4 | De-icing facilities | Not Available |
| 5 | Hangar space for visiting aircraft | NIL |
| 6 | Repair facilities for visiting aircraft | NIL |
| 7 | Remarks | Narrow and wide body ground handling equipment available. MDL capacity up to 40 Ton. Perishable, DGR, VAL and general cargo warehousing and handling facilities available. |

VAOZ AD 2.5 PASSENGER FACILITIES

| | | |
|---|---|--|
| 1 | Hotel(s) at or in the vicinity of aerodrome | In Nashik City. |
| 2 | Restaurant(s) at or in the vicinity of aerodrome | Limited options available at Ojhar. Rest in Nashik City. |
| 3 | Transportation possibilities | Taxies, Luxury Car on hire, Public Buses at Ojhar. |
| 4 | Medical Facilities | First aid at AD. HAL Hospital, Wockhardt Hospital and Lifeline Hospital |
| 5 | Bank and post office at or in the vicinity of aerodrome | Banks: At 1 km from AD, (ATM - H24) Post office: At 1 Km from AD (0900 to 1500 IST) |
| 6 | Tourist office | Maharashtra Tourism |
| 7 | Remarks | Air-conditioned Lounge available. |

VAOZ AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

| | | |
|---|---|---|
| 1 | Aerodrome category for fire fighting | Within ATS HR: CAT-9 |
| 2 | Rescue equipment | Available as per Category |
| 3 | Capability for removal of disabled aircraft | 1. All Airlines shall submit their aircraft recovery plan to AD Authorities. 2. Cranes, Tractors, Jacks available. |
| 4 | Remarks | Type specific tow bar not available. |

VAOZ AD 2.7 SEASONAL AVAILABILITY CLEARING

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

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

| | | |
|---|--|---|
| 1 | Designation, surface and strength of aprons | Designator: ATC Apron (Stand No.1, 2, 3, 4) Surface: Concrete Strength: PCN 40/R/C/X/T Designator: Civil Apron (Stand No. A1, A2, A3, A4, A5) Surface: Concrete Strength: PCN 72/R/B/X/T |
| 2 | Designation, width, surface and strength of taxiways | Refer AD 2.23 |
| 3 | Location and elevation of altimeter checkpoints | NIL |
| 4 | Location of VOR checkpoints | Holding position TWY 'C' 251.2 DEG /1 NM Holding position TWY 'E' 257 DEG /1.7 NM |
| 5 | Position of INS checkpoints | |
| 6 | Remarks | NIL |

VAOZ AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

| | | |
|---|--|---|
| 1 | Use of aircraft stand identification signs, taxiway guidelines and visual docking/parking guidance system at aircraft stands | Aircraft stand ID signs, TWY guidelines available. Use ground marshallars for aircraft parking. |
| 2 | Runway and taxiway markings and lights | RWY Markings: Designation, THR, TDZ, Centreline, Side stripes, Aiming point RWY Lighting: THR, Edge, End, Turning Point TWY Markings: Centreline, Holding position, Edge. TWY Lighting: Edge on Link 'C' & 'E' |
| 3 | Stop bars (if any) | NIL |
| 4 | Remarks | "Follow me" Jeep would be provided on a requirement basis. Illuminated Signages are available. |

VAOZ 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 09/APCH | NATURAL HIGHPOINT | 200646.7N 0734604.6E | 3232 FT | NIL | Ramshej Hill |
| 27/TKOF 09/APCH | NATURAL HIGHPOINT | 200725.0N 0734536.3E | 3150 FT | NIL | Hill Top |
| 27/TKOF 09/APCH | ANTENNA | 200701.2N 0734418.1E | 3642 FT | LGTD | Antenna on Borgarh Hill Top |
| 27/TKOF 09/APCH | NATURAL HIGHPOINT | 200704.7N 0734417.7E | 2822 FT | NIL | Hill Top |
| 27/TKOF 09/APCH | NATURAL HIGHPOINT | 200636.3N 0734610.3E | 2900 FT | NIL | Hill Top |
| 27/TKOF 09/APCH | NATURAL HIGHPOINT | 200703.5N 0734618.0E | 2428 FT | NIL | Hill Top |
| 27/TKOF 09/APCH | NATURAL HIGHPOINT | 200725.0N 0734536.3E | 3150 FT | NIL | Hill Top |
| 27/TKOF 09/APCH | TOWER | 200609.5N 0734849.0E | 2205 FT | LGTD | Tower at Dhakambe |
| 27/TKOF 09/APCH | TOWER | 200611.6N 0734856.2E | 2205 FT | LGTD | Tower at Dhakambe ODU |
| 27/TKOF 09/APCH | TOWER | 200713.6N 0734724.9E | 2389 FT | LGTD | Tower at Pimpalnare |

| 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 09/APCH | OTHER | 200717.9N 0735540.4E | 2011 FT | Marked | Arrester Barrier Hut |
| 27/TKOF 09/APCH | ANTENNA | 200707.7N 0735355.0E | 1994 FT | Marked | AWS Antenna |
| 27/APCH 09/TKOF | BUILDING | 200731.4N 0735749.7E | 1962 FT | Marked | Bhalerao Cold Storage |
| 27/APCH 09/TKOF | BUILDING | 200738.2N 0735751.3E | 1939 FT | NIL | Kshirsagar Cold Storage |
| 27/APCH 09/TKOF | TOWER | 200730.0N 0740135.7E | 2021 FT | LGTD | BSNL Tower at Vadali Najik |
| 27/APCH 09/TKOF | TOWER | 200900.4N 0740329.2E | 2011 FT | LGTD | Tower at Dawachwadi |
| 27/APCH 09/TKOF | TOWER | 200835.5N 0740147.3E | 2100 FT | LGTD | Tower at Karsul |
| 27/APCH 09/TKOF | TOWER | 200739.9N 0740121.7E | 1988 FT | LGTD | Tower at Vadali Najik |
| 27/APCH 09/TKOF | OTHER | 200707.7N 0735355.5E | 1955 FT | Marked | Arrester Barrier Hut |
| 27/APCH 09/TKOF | ANTENNA | 200712.7N 0735542.1E | 1938 FT | Marked | AWS Antenna |
| In circling area and at AD | BUILDING | 200700.5N 0735449.0E | 2021 FT | LGTD | ATC Building |
| In circling area and at AD | NAVAID | 200627.1N 0735435.6E | 2083 FT | LGTD | NDB |
| In circling area and at AD | TANK | 200651.2N 0735519.6E | 2051 FT | LGTD | Water Tank |
| In circling area and at AD | POLE | 200627.3N 0735432.9E | 2119 FT | LGTD | TX Mast |
| In circling area and at AD | BUILDING | 200706.8N 0735453.2E | 1992 FT | LGTD | PAR Building |
| In circling area and at AD | ANTENNA | 200720.8N 0735418.7E | 2018 FT | LGTD | MSSR Antenna |
| In circling area and at AD | ANTENNA | 200719.2N 0735528.3E | 1965 FT | LGTD | Glide Scope Antenna |
| In circling area and at AD | BUILDING | 200654.2N 0735423.9E | 2005 FT | LGTD | HRDF Building |
| In circling area and at AD | BUILDING | 200700.1N 0735448.1E | 1975 FT | LGTD | CCR Building |
| In circling area and at AD | POLE | 200651.9N 0735400.2E | 2034 FT | LGTD | High Mast-1 at 'E' Apron |
| In circling area and at AD | POLE | 200651.6N 0735357.6E | 2034 FT | LGTD | High Mast-2 at 'E' Apron |
| In circling area and at AD | POLE | 200651.4N 0735354.9E | 2034 FT | LGTD | High Mast-3 at 'E' Apron |
| In circling area and at AD | POLE | 200649.7N 0735352.1E | 2034 FT | LGTD | High Mast-4 at 'E' Apron |
| In circling area and at AD | TOWER | 200547.2N 0735640.0E | 2037 FT | LGTD | Tower at Ojhar –1 |
| In circling area and at AD | TOWER | 200615.5N 0735646.2E | 2037 FT | LGTD | Tower at Ojhar –2 |
| In circling area and at AD | TOWER | 200544.4N 0735530.1E | 1975 FT | LGTD | Tower at Ojhar –3 |
| In circling area and at AD | TOWER | 200524.4N 0735523.4E | 2037 FT | LGTD | Tower at Ojhar –4 |

| In Approach/Take-off/Circling Area and at AD | | | | | |
|--|---------------|-------------------------|-----------|-------------|--------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| RWY/Area affected | Obstacle type | Coordinates | Elevation | Marking/LGT | Remarks |
| In circling area and at AD | TOWER | 200512.4N 0735511.5E | 2103 FT | LGTD | Tower at Ojhar –5 |
| In circling area and at AD | TOWER | 200612.0N 0735533.5E | 2037 FT | LGTD | Tower at IAF Ojhar |
| In circling area and at AD | TOWER | 200615.9N 0735311.1E | 2037 FT | LGTD | Tower at Janori |

VAOZ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

| | | |
|----|---|---|
| 1 | Name of the associated meteorological office | HAL, MET |
| 2 | Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours | 0730 IST till completion of ATC Watch hrs. NIL. |
| 3 | Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts | TAF issued at 0200 UTC valid from 0300 to 1200 UTC TAF issued at 0600 UTC valid from 0900 to 0600 UTC |
| 4 | Availability of the trend forecast for the aerodrome and interval of issuance | Trend forecast appended to METAR Every Hour / Half Hourly during monsoon. |
| 5 | Information on how briefing and/or consultation is provided | Provided |
| 6 | Types of flight documentation supplied and language(s) used in flight documentation | Chart form and tabular form. English |
| 7 | Charts and other information displayed or available for briefing or consultation | Synoptic, Wind and, SIGMET Charts, SAT Pictures , etc. |
| 8 | Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images; | Laser Range Finder (LRF), Automatic Weather Stations (AWS), positioned at both ends of Runway for real time information on change in weather. Broad Band, HAL LAN/ WAN system |
| 9 | The air traffic services unit(s) provided with meteorological information | Ozar ATC Met, Pune ATC Met. |
| 10 | Additional information, e.g. concerning any limitation of service. | Actual visibility based on visual landmarks. |

VAOZ 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 |
| 09 | 83.66 DEG | 3000 x 45 M | 72/R/B/X/T (Up to 700 m from both THR) 65/F/A/X/T (1600 m in the middle of RWY) | THR: 200705.64N 0735356.64E |
| 27 | 263.66 DEG | 3000 x 45 M | 72/R/B/X/T (Up to 700 m from both THR) 65/F/A/X/T (1600 m in the middle of RWY) | THR: 200715.72N 0735539.78E |
| 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: 1995.0FT TDZ: 1995.0FT | -0.57% | NIL | NIL | 3120 x 300 M |
| THR: 1940.0FT TDZ: 1940.0FT | 0.57% | NIL | NIL | 3120 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 | |
| 240M x 90M | Location: 35 m from THR Marking. Stancion height 7.5m and net centre height 4.7m. | NIL | Arrester Net will be in raised position during Fighter aircraft departure/arrival. | |
| 240M x 90M | Location: 35 m from THR Marking. Stancion height 7.5m and net centre height 4.7m. | NIL | Arrester Net will be in raised position during Fighter aircraft departure/arrival. | |

VAOZ 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 |
| 09 | 3000 | 3000 | 3000 | 3000 | |
| 27 | 3000 | 3000 | 3000 | 3000 | |

VAOZ 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 |
| 09 | SALS 420 M Crossbar at 300 M 5 step LIH | Green | PAPI LEFT/3.00 DEG MEHT (11.20M) | NIL |
| 27 | SALS 420 M Crossbar at 300 M 5 step LIH | Green | PAPI LEFT/3.00 DEG MEHT (15.10M) | NIL |

| 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 |
| | 3000 M 60 M Variable White 5 step LIH | Red | NIL | NIL |
| | 3000 M 60 M Variable White 5 step LIH | Red | NIL | NIL |

VAOZ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

| | | | |
|---|---|--|---|
| 1 | Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any) | ABN | Above Aerodrome control Tower, Flashing White & Green Every 2 sec, As required. |
| | | IBN | NIL |
| 2 | Location and lighting (if any) of anemometer/landing direction indicator; | LDI | 75 m West of Link 'C' LGT |
| | | Anemometer | RWY 27: West of Link "C" LGT. RWY 27: Between Link "A" & "B". |
| 3 | Taxiway edge and taxiway centre line lights; | Edge | TWY C & E |
| | | Centre Line | NIL |
| 4 | Secondary power supply including switch-over time; | Secondary power supply to all lighting at AD. Switchover time: 10 sec | |
| 5 | Remarks | NIL | |

VAOZ 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 | -- |
| 2 | TLOF and/or FATO area elevation: | -- |
| 3 | TLOF and FATO area dimensions to the nearest metre or foot, surface type, bearing strength and marking; | -- |
| 4 | True bearings of FATO; | -- |
| 5 | Declared distances available | -- |
| 6 | Approach and FATO lighting; | -- |
| 7 | Remarks | -- |

VAOZ AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

| | | |
|---|---|--|
| 1 | Airspace designation, geographical coordinates and lateral limits | CTR: Area bounded by lines joining points 201903N 0734457E; 205703N 0740257E then along the clockwise arc of a circle of 50NM radius centred on 200703N 0735457E to 201503N 0744757E; 195303N 0735057E then along the clockwise arc of a circle of 15NM radius centred on 200703N 0735457E to point of origin. |
| 2 | Vertical limits | FL 460 |
| 3 | Airspace classification | D |
| 4 | Call sign and language(s) of the air traffic services unit providing service; | Ozar Approach, English |
| 5 | Transition altitude | 6000 FT |
| 6 | Hours of applicability | |
| 7 | Remarks | Designated as VAR 34, VAR 35 & VAR 36 |

VAOZ AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

| Service Designation | Call sign | Channel(s) | SATVOICE Number(s), if available |
|---------------------|---------------|-------------|----------------------------------|
| 1 | 2 | 3 | 4 |
| APP | Ozar Approach | 120.600 MHz | |
| TWR | Ozar Tower | 123.500 MHz | |
| RADAR | Ozar Radar | 120.600 MHz | |

| Logon address, as appropriate | Hours of operation | Remarks |
|-------------------------------|--------------------|--------------------|
| 5 | 6 | 7 |
| | AS ATS | Stand by 122.7 MHz |
| | As ATS | NIL |
| | AS ATS | MSSR. Range: 250NM |

VAOZ 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 | IOZR | 110.700 MHz | H24 |
| GP 27 | | 330.200 MHz | H24 |
| DME ILS 27 | IOZR | CH44X | H24 |
| VOR/DME | OJR | 115.600 kHz CH103X | H24 |
| NDB | OZR | 324 kHz | AS ATS |

| 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 |
| 200704.0N 0735343.1E | | | |
| 200719.2N 0735528.3E | | | |
| 200719.2N 0735528.3E | 1935 FT | | Co-located with GP27 |
| 200727.1N 0735548.7E | 1925 FT | | Under OPS Control of HAL |
| 200627.1N 0735435.6E | | | Under OPS Control of HAL |

VAOZ AD 2.20 LOCAL AERODROME REGULATIONS

- i) Taxiing procedure RWY 27: - All pilots to execute right 180 DEG turn for line up after back track. Left 180 DEG turn is not permitted to prevent FOD to aircraft at holding point.
- ii) Prohibited Area: - Airspace within 1500 M radius around 200410N 0735130E, 227 DEG/8000 M from ARP. All aircraft/ helicopter to exercise caution and avoid over flying this location.
- iii) Helicopter flying at Nasik Road airfield operate upto 5000 FT. All flights approaching OJR from south are to maintain 6000 FT or above till 07 DME from OJR. All southbound departing aircraft are to climb overhead to 6000 FT or above before setting course.
- iv) Due to fuel constraints, Military Test Flying aircraft will be given priority.

VAOZ AD 2.21 NOISE ABATEMENT PROCEDURES

VAOZ AD 2.22 FLIGHT PROCEDURES

VAOZ AD 2.23 ADDITIONAL INFORMATION

I. APRONS

| APRON | Locations | Dimensions (M) | Parking stands |
|-------------|---------------------|----------------|--|
| ATC Apron | North of ATC Tower | 80 x 100 | - 1 to 4 for category 'B' and below aircraft only. - 1, 4 for category 'C' aircraft with 2 and 3 kept vacant. |
| Civil Apron | South of 09 Dumbell | 127 x 240 | - A1 to A5 for category 'C' and below aircraft only. - A2, A4 for category 'D' aircraft with other bays kept vacant. - A2 and A5 for category 'E' with other bays kept vacant. |

Note: Apron areas include pavement from the edge of the taxiway/lane serving it to the edge of the terminal or next taxiway/ lane. Pavement area includes aircraft parking, head of stand road, and tail of stand road, and GSE depending on the configuration of the apron. Apron area is rounded to the nearest meter.

General Restrictions:

1. Operators shall ensure necessary ground precautions to ward off vehicular traffic behind running engine.

II. TAXIWAYS

| Designation | Location and direction | Strength | Length (m) | Minimum width (m) | Minimum Shoulder width (m) | Restrictions |
|-------------|---|------------|------------|-------------------|----------------------------|---|
| C | 1500m beyond 27 Threshold, at 90° South of RWY. | 40/R/C/X/T | 160 | 23 | 7.5 | |
| E | 2950m beyond 27 Threshold, at 90° South of RWY. | 61/R/C/X/T | 400 | 30.5 | 7.5 | This TWY gives access to the extremity of RWY 09. |

Note: Angles (in degrees) given in the direction of aircraft movement and distance is from 27 dumbell.

III. PARKING STANDS DETAILS**ATC APRON**

| STAND | COORDINATES | | TYPE OF AIRCRAFT | PCN | REMARKS | CONTACT/ REMOTE |
|-------|-------------|--------------|--------------------|------------|--------------------|-----------------|
| 1 | 200701.80 N | 0735449.50 E | Code 'C' and below | 40/R/C/X/T | Power in-Power out | Remote |
| 2 | 200702.88 N | 0735449.44 E | | 40/R/C/X/T | Power in-Power out | Remote |
| 3 | 200701.68 N | 0735448.08 E | | 40/R/C/X/T | Power in-Power out | Remote |
| 4 | 200702.88 N | 0735448.00 E | | 40/R/C/X/T | Power in-Power out | Remote |

CIVIL APRON

| STAND | COORDINATES | | TYPE OF AIRCRAFT | PCN | REMARKS | CONTACT/ REMOTE |
|-------|-------------|--------------|--------------------|------------|--------------------|-----------------|
| A1 | 200653.28 N | 0735400.96 E | Code 'E' and below | 72/R/B/X/T | Power in-Push back | Remote |
| A2 | 200653.10 N | 0735359.58 E | | 72/R/B/X/T | Power in-Push back | Remote |
| A3 | 200652.98 N | 0735358.20 E | | 72/R/B/X/T | Power in-Push back | Remote |
| A4 | 200652.86 N | 0735356.82 E | | 72/R/B/X/T | Power in-Push back | Remote |
| A5 | 200652.74 N | 0735355.44 E | | 72/R/B/X/T | Power in-Push back | Remote |

IV. Prior permission required for operating Non-Sked / heavy transport aircraft including Military operators for risk of FOD to fighter aircraft at base.

V. Circuit pattern for both RWY (09/27) is to the north of RWY.

VI. Devlali Range, VAD 16 is permanently active.

VII. Bird activity observed 30 min before sunrise to two hours after sunrise and 1½ hrs before sunset to 30 min after sunset.

VIII. Open monsoon drain at 3 m south of parallel taxi track. Extensive peacock menace on RWY, taxi tracks and shoulders. Significant bird menace at low level during one hour prior to sunset. All pilots to exercise caution

IX. DGCA India has granted permanent exemption in respect of following non-compliance against requirements specified in DGCA CAR – Section 4, Series B, Part I: “Presence of arrester barriers and its huts on runway strip.”

VAOZ AD 2.24 CHARTS RELATED TO AN AERODROME

1. Aerodrome Chart
2. Aircraft Parking/Docking Chart ATC Apron.
3. Aircraft Parking/Docking Chart Civil Apron.
4. Aerodrome Obstacle Chart – Type A (Obstacle Limitations) RWY 09
5. Aerodrome Obstacle Chart – Type A (Obstacle Limitations) RWY 27

AERODROME CHART

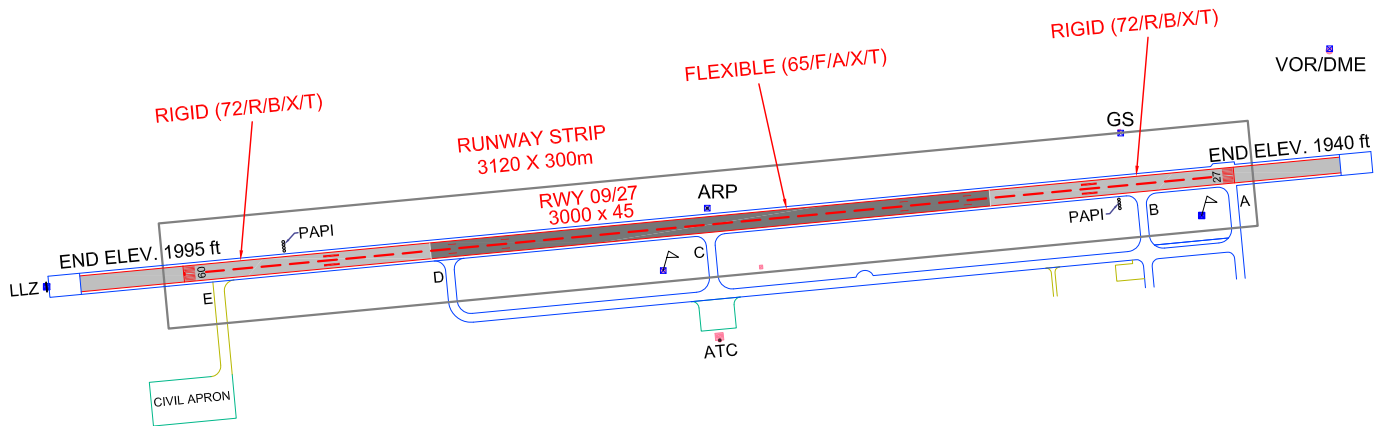
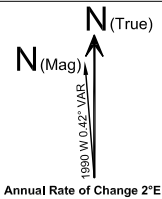
20°07'12"N
073°54'48"E

ELEV. 1995 ft

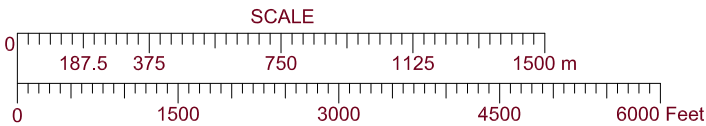
INDIA / OZAR

| RWY | DIRECTION | THR. COORDINATES | THR. ELEV. | BEARING STRENGTH |
|-----|-----------|---------------------------------|------------|--------------------------|
| 09 | 084.08° | 20°07'05.64"N 073°53'56.64"E | 1995 ft | 72/R/B/X/T 65/F/A/X/T |
| 27 | 264.08° | 20°07'15.72"N 073°55'39.78"E | 1940 ft | |

DATUM: WGS 84
ELEVATIONS IN FEET AND DIMENSIONS IN METERS
BEARINGS ARE MAGNETIC

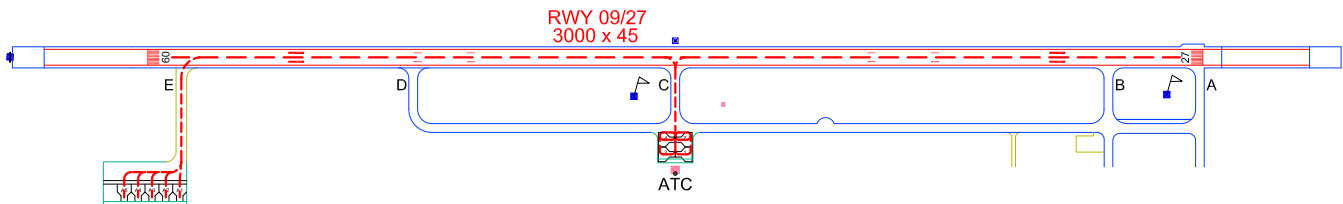


| TWY | LENGTH (m) | WIDTH (m) | BEARING STRENGTH |
|-----|------------|-----------|------------------|
| C | 160 | 23 | 40/R/C/X/T |
| E | 400 | 30.5 | 61/R/C/X/T |

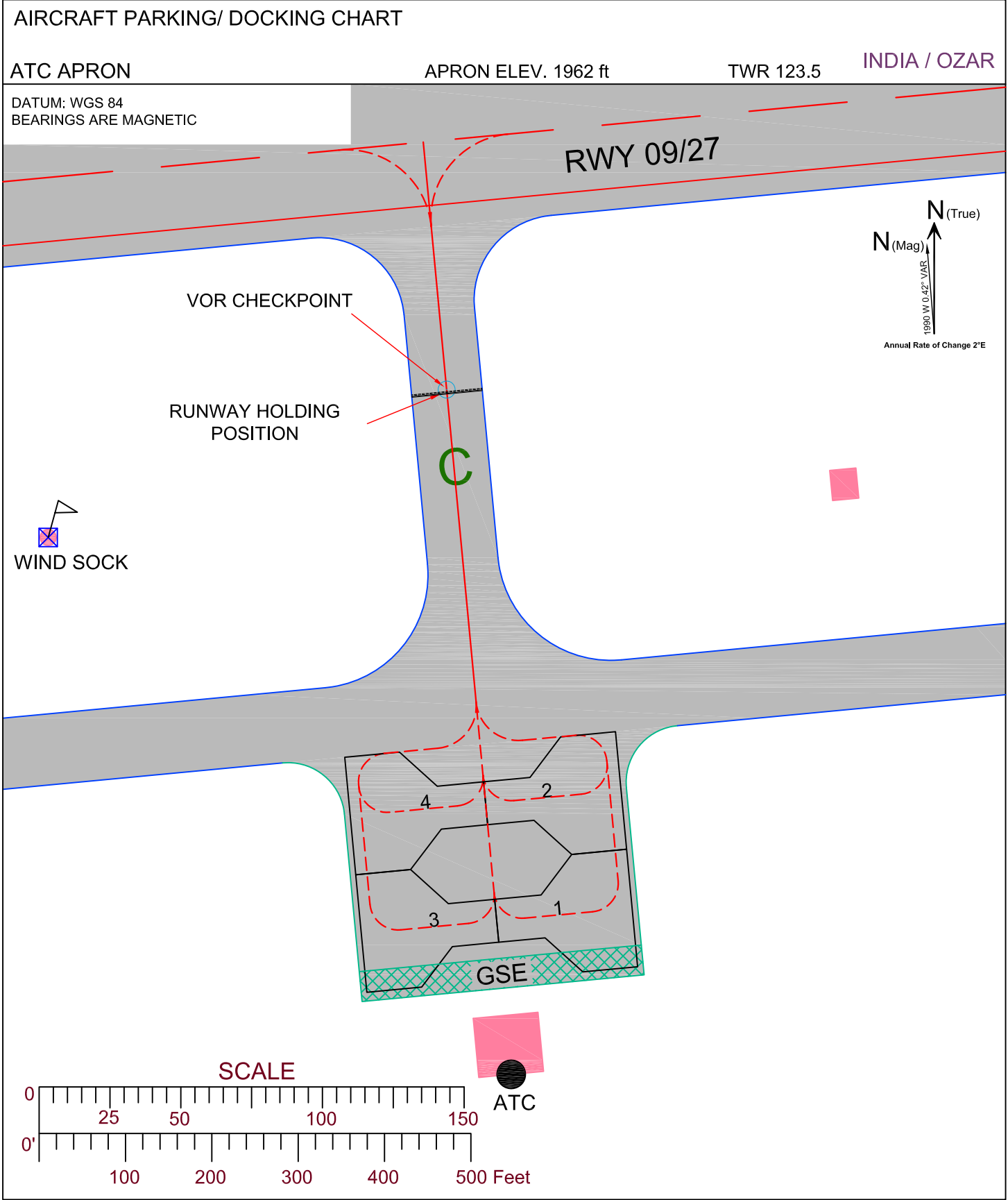


- RUNWAY PAVEMENT (PCN)
- FLEXIBLE (65/F/A/X/T)
 - RIGID (72/R/B/X/T)
 - WIND SOCK

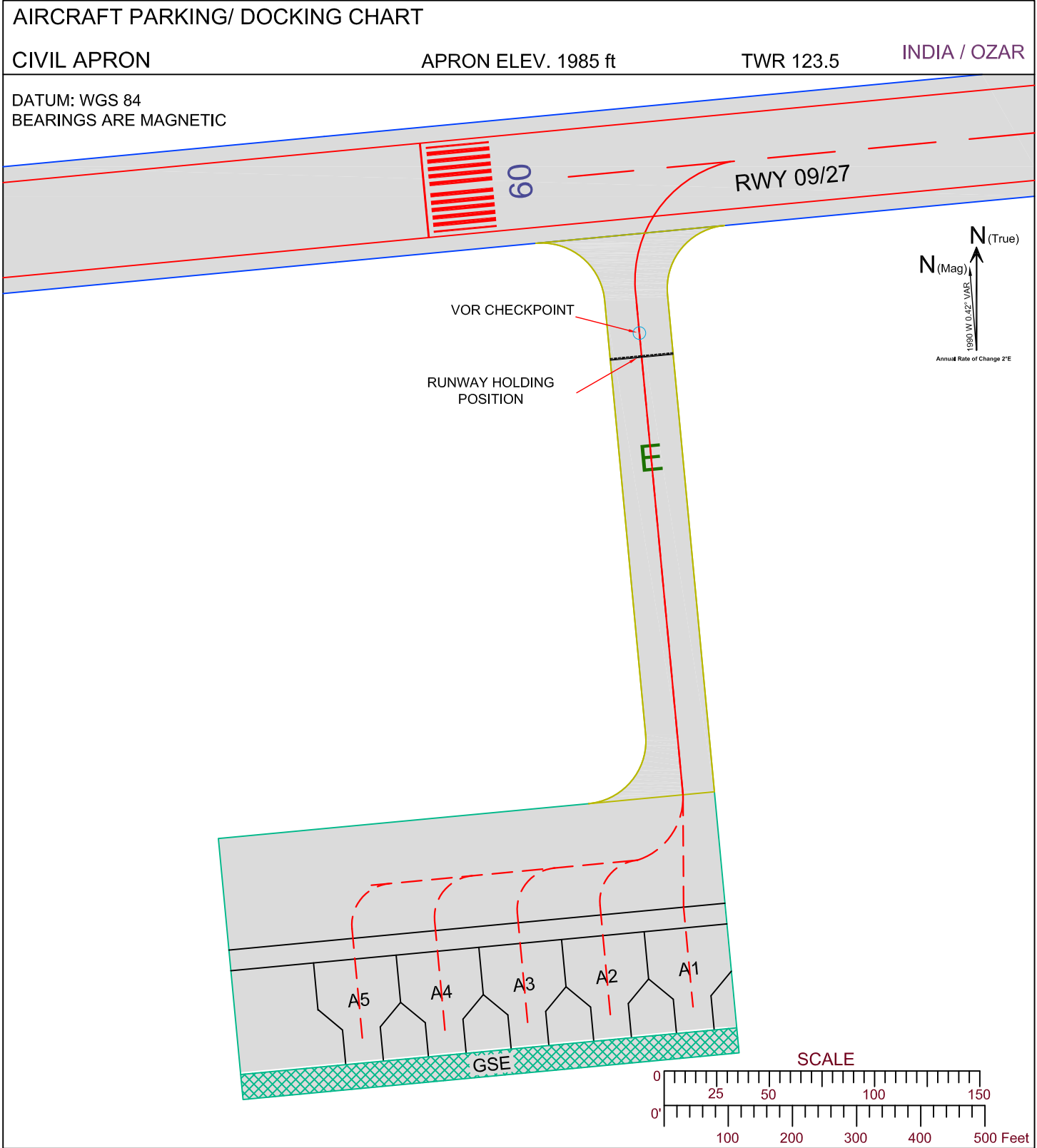
MARKING AIDS RWY 09/27



NOTE: a) AERONAUTICAL GROUND LIGHTS ARE NOT SHOWN ON THIS CHART.
b) ONLY TAXIWAY 'C' & 'E' AVAILABLE FOR CIVIL AIRCRAFT OPERATIONS.



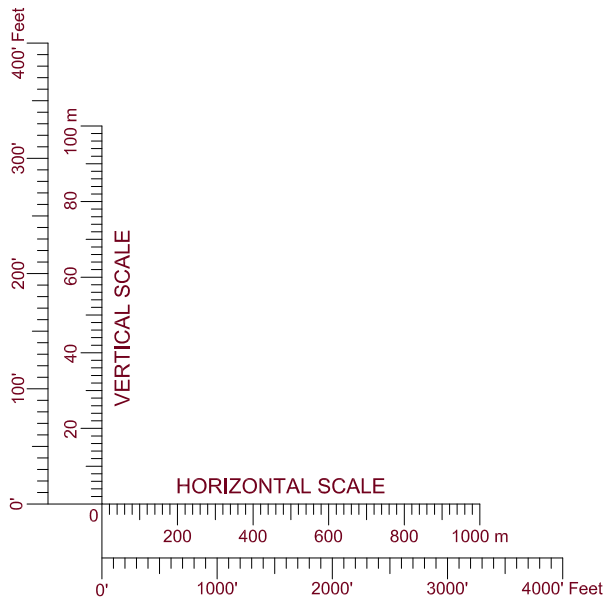
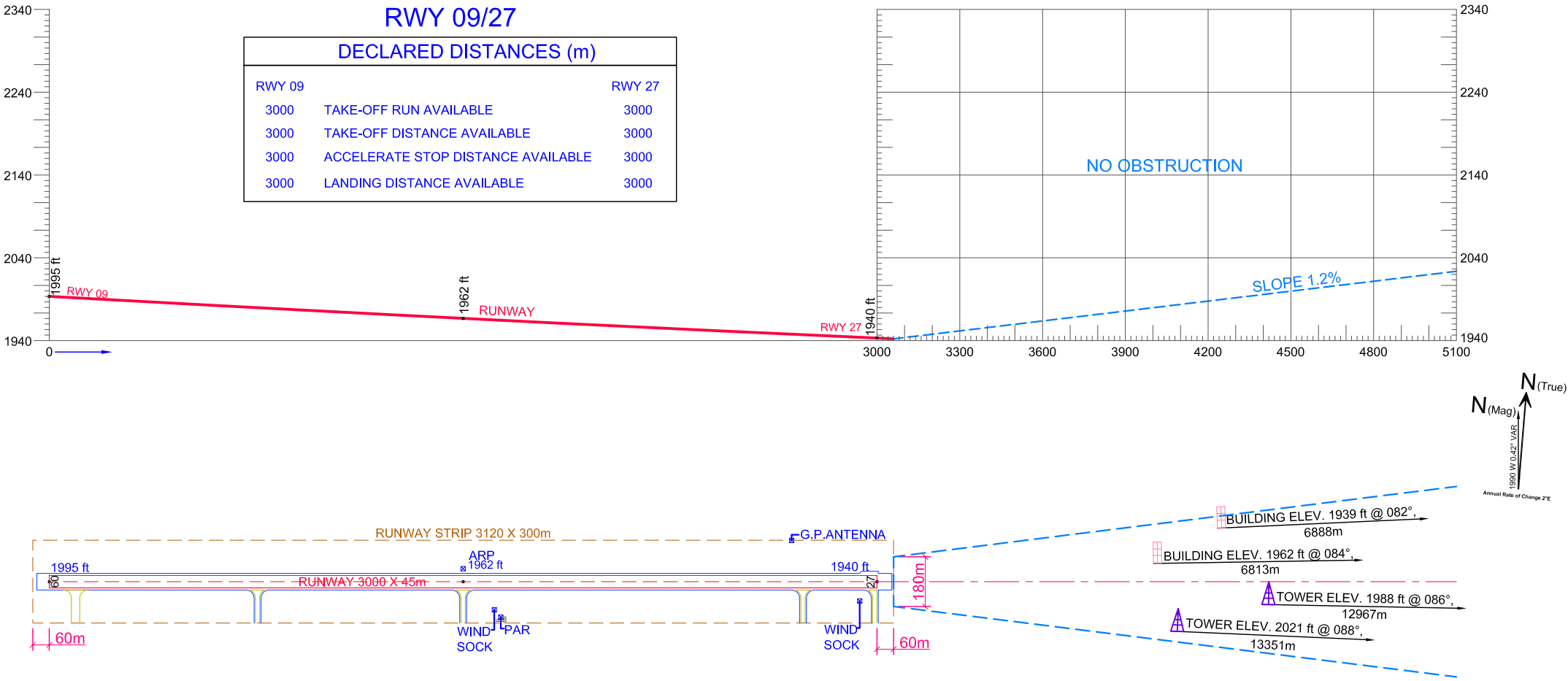
| STAND WGS COORDINATES DD MM SS,S | | | PARKING STAND REMARKS | PCN | REMARKS | CONTACT /REMOTE |
|-------------------------------------|----------------|-----------------|---|------------|----------------------|-----------------|
| 1 | 20°07'01.80" N | 073°54'49.50" E | a) 1 to 4 for category 'B' and below aircraft only b) 1,4 for category 'C' aircraft with 2,3 kept vacant | 40/R/C/X/T | Power in - Power out | R |
| 2 | 20°07'02.88" N | 073°54'49.44" E | | 40/R/C/X/T | Power in - Power out | R |
| 3 | 20°07'01.68" N | 073°54'48.08" E | | 40/R/C/X/T | Power in - Power out | R |
| 4 | 20°07'02.88" N | 073°54'48.00" E | | 40/R/C/X/T | Power in - Power out | R |



| STAND WGS COORDINATES DD MM SS,S | | | PARKING STAND REMARKS | PCN | REMARKS | CONTACT /REMOTE |
|-------------------------------------|----------------|-----------------|---|------------|--------------------|--------------------|
| A1 | 20°06'53.28" N | 073°54'0.96" E | a) A1 to A5 for category 'C' and below aircraft only b) A2 and A4 for category 'D' aircraft with other bays kept vacant c) A2 and A5 for category 'E' with other bays kept vacant | 72/R/B/X/T | Power in-push back | R |
| A2 | 20°06'53.10" N | 073°53'59.58" E | | 72/R/B/X/T | Power in-push back | R |
| A3 | 20°06'52.98" N | 073°53'58.20" E | | 72/R/B/X/T | Power in-push back | R |
| A4 | 20°06'52.86" N | 073°53'56.82" E | | 72/R/B/X/T | Power in-push back | R |
| A5 | 20°06'52.74" N | 073°53'55.44" E | | 72/R/B/X/T | Power in-push back | R |
| | | | | | | |

NOTE: AERONAUTICAL GROUND LIGHTS ARE NOT SHOWN ON THIS CHART.

AERODROME OBSTACLE CHART
TYPE-A (OPERATING LIMITATIONS)



REFER NOTAM FOR LATEST INFORMATION

| LEGEND | |
|-----------------|---|
| RWY ELEV.(SPOT) | ■ |
| TOWER | ▲ |
| BUILDING | ▤ |

| ORDER OF ACCURACY | |
|-------------------|--------|
| HORIZONTAL | - 1.0m |
| VERTICAL | - 0.5m |

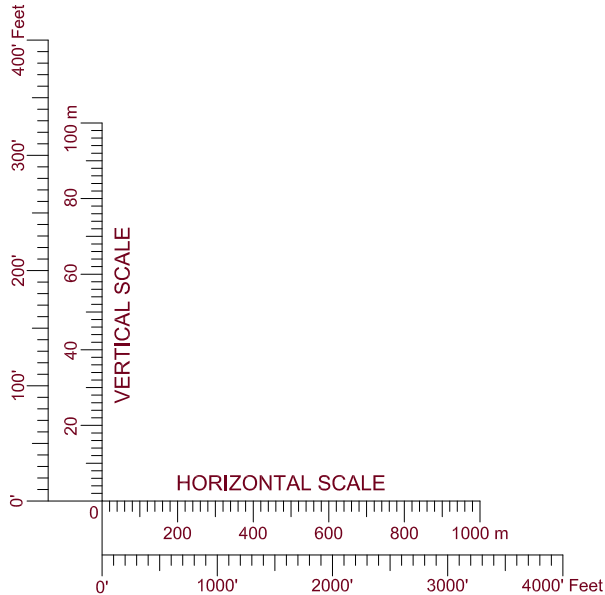
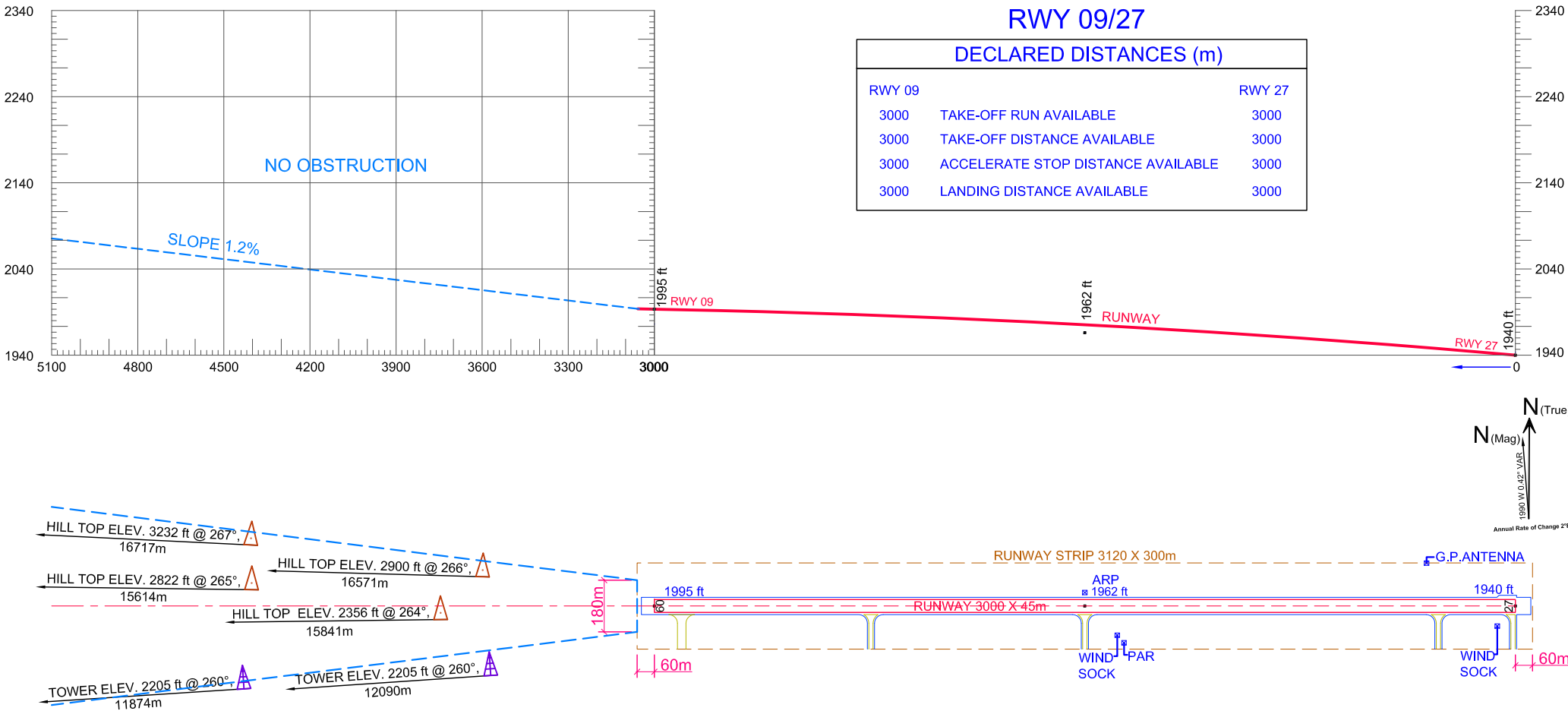
- NOTES:
- ALL DISTANCES ARE IN METERS. ALL ELEVATIONS ARE IN FEET.
 - ALL OBSTACLES SHOWN IN THIS CHART ARE BASED ON AERONAUTICAL OBSTACLE SURVEY OF MAY 2012.
 - CO-ORDINATES ARE IN WGS-84 SYSTEM.

| | | | | |
|-------------|-----------------|---|-------------------------|------------------------------|
| CLIENT: | | HAL- OZAR AIRPORT, NASIK | | |
| CONSULTANT: | | RAJ TECHNOLOGIES, NASHIK | Phone No.: 0253-2353407 | Email ID.: info@rgistech.com |
| PROJECT: | | DEVELOPMENT OF OBSTACLE CHARTS FOR OZAR AIRPORT | | |
| TITLE: | | AERODROME OBSTACLE CHART - TYPE-A | | |
| SIZE : A3 | DATE: 18 Feb 15 | DRG NO:- RT/AV/HAL-OZAR-2-15/R4 | APPROVED BY: | Date: |
| DWG. BY: | VERIFY BY: | | SBD | 18 Feb 15 |
| AAD | SBD | SCALE: HOR 1:20000 VER 1:2000 | | |

AERODROME OBSTACLE CHART

TYPE-A (OPERATING LIMITATIONS)

INDIA / OZAR
OZAR AIRPORT / RWY 27



| ORDER OF ACCURACY | |
|-------------------|--------|
| HORIZONTAL | - 1.0m |
| VERTICAL | - 0.5m |

- NOTES:
1. ALL DISTANCES ARE IN METERS. ALL ELEVATIONS ARE IN FEET.
 2. ALL OBSTACLES SHOWN IN THIS CHART ARE BASED ON AERONAUTICAL OBSTACLE SURVEY OF MAY 2012.
 3. CO-ORDINATES ARE IN WGS-84 SYSTEM.

REFER NOTAM FOR LATEST INFORMATION

| LEGEND | |
|-----------------|---|
| RWY ELEV.(SPOT) | ■ |
| TERRAIN | ▲ |
| TOWER | ⚓ |

| | | | | | |
|-------------|-----------------|---|--|---|-----------|
| CLIENT: | | HAL- OZAR AIRPORT, NASIK | | | |
| CONSULTANT: | | RAJ TECHNOLOGIES, NASHIK | | Phone No.: 0253-2353407 Email ID.: info@rgistech.com | |
| PROJECT: | | DEVELOPMENT OF OBSTACLE CHARTS FOR OZAR AIRPORT | | | |
| TITLE: | | AERODROME OBSTACLE CHART - TYPE-A | | | |
| SIZE : A3 | DATE: 18 Feb 15 | DRG NO:- RT/AV/HAL-OZAR-3-15/R4 | | APPROVED BY: | Date: |
| DWG. BY: | VERIFY BY: | | | SBD | 18 Feb 15 |
| AAD | SBD | SCALE: HOR 1:20000 VER 1:2000 | | | |