

TEL: +91-11-24632950 Extn: 2219/2233 AFS: VIDDYXAX FAX: +91-11-24615508 Email: gmais@aai.aero	INDIA AERONAUTICAL INFORMATION SERVICE AIRPORTS AUTHORITY OF INDIA RAJIV GANDHI BHAVAN SAFDARJUNG AIRPORT NEW DELHI – 110003	126/2026
		25 JUN 2026

File No. ATM-19013(19)/1/2026-ATM

Following supplement is issued for information, guidance and necessary action.

sd/-
विपिन कुमार
VIPIN KUMAR
अध्यक्ष/CHAIRMAN
भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

EFFECTIVE DATE: 06 AUG 2026]

AERODROME DATA
HAL AIRPORT, BENGALURU (VOBG)

The updated aeronautical data and aeronautical information in respect of HAL Airport, Bengaluru (VOBG) and the aeronautical charts is issued through this AIP Supplement.

The aeronautical data, aeronautical information and the instrument approach procedure charts published in this AIP Supplement are provided by the Hindustan Aeronautics Ltd.

The text of the amendment is arranged to show deleted text with a line through it and new text highlighted with grey shading, as shown below:

1.	Text to be deleted is shown with a line through it.	Text to be deleted
2.	New text to be inserted is highlighted with yellow shading.	New text to be inserted
3.	Text to be deleted is shown with a line through it Followed by the replacement text which is highlighted with yellow shading	New text to replace existing text

(Details herein are only that information which is changed due to changes made through this AIP Supplement. The details which are not changed from eAIP are not shown here):

VOBG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	125708N 0773953E 322.5 DEG at 762m from Control TWR 125707.83 N / 0773951.90 E MAG. BRG. 72.82 DEG/1194 M from physical beginning of RWY 09	
3	Aerodrome elevation and reference temperature	2912 FT 2915 FT / 33.9 DEG C	
4	Magnetic, date of information and annual change	2.15 DEG W (1995) / 0.017 DEG E 1.45 DEG W (2010) / 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 (AO), HAL Airport, Bengaluru - 560037 ATS In Charge, HAL Airport Gate No. 30, Airport Services Centre HAL (BC), VIMANAPURA Post Bengaluru - 560017	
		Tele	+91 80 22322650 (Office 1) +91 80 22315083 (Office 2)
		Fax	+91 80 22313032 (91) 80 22312076
		AFS	VOBGZPZX, VOBGZTZX, VOBGAIDC, VOBGYDYX
		E-mail	halatemail@gmail.com aerodrome.asc@hal-india.co.in
6	Types of traffic permitted (IFR/VFR)	IFR / VFR	
7	Remarks	NIL 1. Aerodrome available for General Aviation. 2. Arrival / Departure may be delayed, as test flying operation is accorded priority. 3. Gravity Model: EGM-08	

VOBG AD 2.3 OPERATIONAL HOURS

8	Fuelling	0030 - 1630 UTC IOC: MON-SAT: 0030-1530 UTC SUN: 0330-1130 UTC BPCL: 0030-1630 UTC All days
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12	Remarks	<p>1. Prior permission required for Non-Skred Flights (Including Military)</p> <p>2. AVGAS 100 LL Refuelling not AVBL.</p> <p>1. Prior permission to be obtained from ATIS In Charge for Non-Scheduled flights, Military flights to carry out local flying</p>
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VOBG AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Contact HAL - AI JWG for details NIL	
2	Fuel and oil types	JET A1 (with IOC/BPCL) MWM 451 (with IOC)	
3	Fuelling facilities and capacity	IOC: 6KL, 16KL & 27KL refuellers. BPCL: 9KL, 127KL & 18KL refuellers. IOC: 16 KL x 3 = 48 KL, 11 KL x 3 = 33 KL, 900 KL Bulk Storage BPCL: 15 KL x 1 = 15KL, 16 KL x 1 = 16KL 250 KL Bulk Storage	
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. NIL	
7	Remarks	HAL - Air India joint working group provide ground handling on Prior notice.	
		HAL - AI JWG Office	+91 80 22323214 +91 80 22317829 Fax: +91 80 22317041 +91 80 22327014 (Tele-Fax)
		IOC Operational Room (Except Sundays and holidays)	+91 80 25220944 +91 9480886305 FAX: +91 80 25227096
		BPCL Operational Room (All Days)	+91-9845514113 +91-8884885358 +91 80-25220095

VOBG AD 2.5 PASSENGER FACILITIES

1	Hotel(s) at or in the vicinity of aerodromes	In the City within 3 KM from Airport
2	Restaurant(s) at or in the vicinity of aerodromes	In the city within 1KM from the AD
3	Transportation possibilities	Taxis Taxis , Coaches and Public Buses
4	Medical Facilities	HAL Hospital at AD and in the city Multi-Specialty Hospitals Within 5KM from AD
5	Bank and post office at or in the vicinity of aerodromes	Post Office at AD Within 500 Meter
		Banks 0300-1100 (0830-1630 IST) Within 1Km from the AD
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 NIL

VOBG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	Aerodrome category for fire fighting	Within ATS HR: CAT-7 (H24) Upgradable to CAT-9 on prior coordination
2	Rescue equipment	Limited equipments available Available as per category
3	Capability for removal of disabled aircraft	Cranes , Tractors, Jacks , Tow Bars available. 1. The critical aircraft for VOBG is Code E. 2. Primary responsibility for removal of disabled aircraft rests with the concerned airline. 3. The airlines may contact ‘Aerodrome Coordinator for Disabled Aircraft Removal Operations’ for coordinating with the agencies having Disabled Aircraft Recovery Kit. 4. Contact Details of Aerodrome Coordinator for Disabled Aircraft Removal Operations: Aerodrome Coordinator: Head-ARFF Mob: 9538882047 Email: Ramesh.BabuR@gmrgroup.in

4	Remarks	Upgradable to Cat 9 when required NIL
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VOBG AD 2.7 SEASONAL AVAILABILITY CLEARING

1	Type(s) of clearing equipment	AD serviceable during all seasons NIL
2	Clearance priorities	AD serviceable during all seasons NIL
3	Remarks	AD serviceable during all seasons Airport available in all seasons

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

1	Designation, surface and strength of aprons	Designation	Surface	Strength	
		Apron 1	Concrete	PCN 55/R/B/W/T PCN 65/R/B/W/U	
		Apron 2	Concrete	PCN: 76/R/A/W/T PCR: 640/R/A/W/T	
		Apron 3	Concrete	PCN: 52/R/B/W/U	
		Apron 4	Concrete	PCN: 59/R/B/W/U	
		Apron 5	Concrete	PCN: 52/R/B/W/U	
		Apron 6	Concrete		
2	Designation, width, surface and strength of taxiways	Designation	Width	Surface	Strength (PCR)
		E1	23M	Asphalt	PCN: 55/F/A/W/T PCR: 1760/F/A/X/T
		E2	23M	Asphalt	1760/F/A/X/T
		M	23M	Asphalt	PCN 50/F/A/W/T PCR: 1950/F/A/X/T
		W1	23M	Asphalt	PCN 56/F/A/W/T 1760/F/A/X/T
		W2	23M	Asphalt	PCN 47/F/A/X/T 1760/F/A/X/T
3	Location and elevation of altimeter checkpoints	Apron1 2910FT; Apron2 2935FT; Apron3 2904FT Refer Section VOBG 2.23			
4	Location of VOR checkpoints	East Link TWY: Holding Position 284 DEG/0.5NM E2: Holding Position 045 DEG/0.3NM			

		<p>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</p> <table border="1"> <thead> <tr> <th>Location</th> <th>Latitude</th> <th>Longitude</th> <th>Elevation</th> </tr> </thead> <tbody> <tr> <td>E1</td> <td>125704.91N</td> <td>0774020.22E</td> <td>2914 FT</td> </tr> <tr> <td>E2</td> <td>125709.26N</td> <td>0774102.55E</td> <td>2896 FT</td> </tr> <tr> <td>W1</td> <td>125700.75N</td> <td>0773932.92E</td> <td>2884 FT</td> </tr> <tr> <td>W2</td> <td>125659.19N</td> <td>0773914.62E</td> <td>2880 FT</td> </tr> </tbody> </table>	Location	Latitude	Longitude	Elevation	E1	125704.91N	0774020.22E	2914 FT	E2	125709.26N	0774102.55E	2896 FT	W1	125700.75N	0773932.92E	2884 FT	W2	125659.19N	0773914.62E	2880 FT
Location	Latitude	Longitude	Elevation																			
E1	125704.91N	0774020.22E	2914 FT																			
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W1	125700.75N	0773932.92E	2884 FT																			
W2	125659.19N	0773914.62E	2880 FT																			
5	Position of INS checkpoints	<p>RWY 09 THR: 125656.00N 0773913.70E (876.116M) RWY 27 THR: 125706.00N 0774103.60E (881.690M) West Link TWY W1: 878.309M East Link TWY E1: 887.046M ARP: 125708.00N 0773952.07E (888.347M) NIL</p>																				
6	Remarks	<p>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</p> <ol style="list-style-type: none"> Apron 1: Total 14 aircraft stand for fixed wing and 5 stands for helicopters Maximum permissible wingspan of aircraft in Fixed wing bays: <ol style="list-style-type: none"> Bay 1-10 maximum wingspan 18 Meter. Bay 11-13 maximum aircraft wingspan 29 Meter. Bay-14 maximum aircraft wingspan 32 Meter (Always facing east) Helicopter Bays maximum permissible Rotor Diameter is 18 Meter. <ol style="list-style-type: none"> Apron - 2: Reserved Apron - 3: Not available Apron - 4: 4 bays for B737 or similar aircraft Apron - 5: 5 bays for A320 / B737 or similar aircraft Apron - 6: 4 bays for A320 / B737 or similar aircraft 																				

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	<ol style="list-style-type: none"> 1. Taxiing guidance provided on RTF. Guidelines at Airport. 2. Taxiing guidance signs are provided on all TWY intersections and straight sections. 3. Marshalling guidance available. 		
2	Runway and taxiway markings and lights	RWY	Markings	Designation, THR, TDZ, Aiming Point , Centerline, Edge, Turn pad.
			Lights	Edge, Threshold / End
		TWY	Marking	Centerline, Holding Position, Intermediate Holding position, Runway vacated, Edge
			Lights	Edge

VOBG AD 2.10 AERODORME OBSTACLES

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
09/APCH 27/TKOF	TREE	125652.10N 0773912.29E	2912	-	Group of Trees
09/APCH 27/TKOF	TREE	125650.91N 0773912.06E	2934	-	Group of Trees
09/APCH 27/TKOF	BUILDING	125652.41N 0773912.06E	2889	-	Sintex Tank on Building (Building Top: 879.6 M)
09/APCH 27/TKOF	OTHER	125658.34N 0773911.75E	2898	-	WDI
09/APCH 27/TKOF	POLE	125652.16N 0773911.68E	2894	-	Light Pole
09/APCH 27/TKOF	POLE	125652.14N 0773910.72E	2893	-	Light Pole
09/APCH 27/TKOF	TREE	125651.20N 0773910.60E	2922	-	Group of Trees
09/APCH 27/TKOF	TREE	125657.38N 0773910.45E	2893	-	Group of Trees

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
09/APCH 27/TKOF	BUILDING	125657.24N 0773910.32E	2886	-	Temple
09/APCH 27/TKOF	POLE	125652.10N 0773909.72E	2893	-	Light Pole
09/APCH 27/TKOF	POLE	125652.06N 0773908.74E	2893	-	Light Pole
09/APCH 27/TKOF	TREE	125651.40N 0773908.45E	2908	-	Group of Trees
09/APCH 27/TKOF	TREE	125650.23N 0773907.19E	2914	-	Group of Trees
09/APCH 27/TKOF	POLE	125652.00N 0773906.76E	2893	-	Light Pole
09/APCH 27/TKOF	POLE	125650.87N 0773906.16E	2900	-	Light Pole
09/APCH 27/TKOF	TREE	125650.11N 0773905.75E	2922	-	Group of Trees
09/APCH 27/TKOF	POLE	125650.69N 0773904.73E	2901	-	Light Pole
09/APCH TKOF 27	TREE	125649.13N 0773904.59E	2929	-	Group of Trees
09/APCH TKOF 27	TREE	125649.73N 0773903.70E	2926	-	Group of Trees
09/APCH TKOF 27	TREE	125650.56N 0773902.85E	2908	-	Group of Trees
09/APCH TKOF 27	TREE	125649.01N 0773901.21E	2935	-	Group of Trees
09/APCH TKOF 27	TREE	125649.99N 0773900.73E	2946	-	Group of Trees
09/APCH TKOF 27	POLE	125700.22N 0773859.98E	2903	-	Light Pole
09/APCH TKOF 27	TREE	125700.33N 0773859.89E	2927	-	Group of Trees
09/APCH TKOF 27	TREE	125659.13N 0773859.16E	2936	-	Group of Trees

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
09/APCH TKOF 27	MAST	125700.08N 0773859.17E	2943	-	Flood Light Mast
09/APCH TKOF 27	TREE	125649.80N 0773858.70E	2951	-	Group of Trees
09/APCH TKOF 27	TREE	125657.81N 0773858.68E	2922	-	Group of Trees
09/APCH 27/TKOF	BUILDING	125650.91N 0773858.50E	2906	-	Security Hut
09/APCH 27/TKOF	OTHER	125657.29N 0773858.17E	2912	-	Structure
09/APCH 27/TKOF	TREE	125650.71N 0773857.71E	2928	-	Group of Trees
09/APCH 27/TKOF	POLE	125657.86N 0773857.50E	2908	-	Light Pole
09/APCH 27/TKOF	TREE	125656.53N 0773857.20E	2938	-	Group of Trees
09/APCH 27/TKOF	TREE	125652.87N 0773857.09E	2927	-	Group of Trees
09/APCH 27/TKOF	MAST	125659.33N 0773856.63E	2933	-	Flood Light Mast
09/APCH 27/TKOF	TREE	125653.99N 0773856.50E	2919	-	Group of Trees
09/APCH 27/TKOF	BUILDING	125649.04N 0773852.46E	2942	-	Building
09/APCH 27/TKOF	OTHER	125647.12N 0773851.39E	2969	-	Light on Building (Building Top: 903.6 M)
09/APCH 27/TKOF	OTHER	125647.24N 0773850.21E	2981	-	Light on Building (Building Top: 905.3 M)
09/APCH 27/TKOF	BUILDING	125646.17N 0773849.40E	2972	-	Sintex Tank on Building (Building Top: 903.9 M)
09/APCH 27/TKOF	POLE	125652.14N 0773848.30E	2945	-	Pole
09/APCH 27/TKOF	POLE	125653.61N 0773847.08E	2944	-	Pole

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
09/APCH 27/TKOF	TREE	125651.63N 0773846.62E	2974	-	Group of Trees
09/APCH 27/TKOF	TREE	125645.44N 0773845.51E	2966	-	Group of Trees
09/APCH 27/TKOF	OTHER	125653.70N 0773845.12E	2943	-	Light on Building (Building Top: 896.6 M)
09/APCH 27/TKOF	POLE	125656.73N 0773844.79E	2943	-	Pole
09/APCH 27/TKOF	POLE	125659.5N 0773843.06E	2963	-	Pole
09/APCH 27/TKOF	TREE	125647.96N 0773842.60E	2976	-	Group of Trees
09/APCH 27/TKOF	POLE	12570.68N 0773842.51E	2982	-	Pole
09/APCH 27/TKOF	ANTENNA	125657.08N 0773842.01E	2973	-	Antenna on Building (Building Top: 904.0 M)
09/APCH 27/TKOF	TREE	125648.35N 0773840.85E	2967	-	Group of Trees
09/APCH 27/TKOF	ANTENNA	125654.09N 0773839.18E	2945	-	Antenna on Building (Building Top: 894.9 M)
09/APCH 27/TKOF	BUILDING	125659.29N 0773838.65E	2986	-	Building
09/APCH 27/TKOF	TREE	125650.52N 0773838.51E	2956	-	Group of Trees
09/APCH 27/TKOF	BUILDING	125647.41N 0773838.28E	2947	-	Building
09/APCH 27/TKOF	TREE	125643.27N 0773837.51E	2993	-	Group of Trees
09/APCH 27/TKOF	TREE	125653.26N 0773835.28E	2980	-	Group of Trees
09/APCH 27/TKOF	TREE	125649.36N 0773835.17E	2979	-	Group of Trees
09/APCH 27/TKOF	BUILDING	125659.97N 0773835.08E	2968	-	Sintex Tank on Building (Building Top: 903.9 M)

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
09/APCH 27/TKOF	BUILDING	125657.42N 0773834.52E	2969	-	Building
09/APCH 27/TKOF	TREE	125655.38N 0773833.21E	2962	-	Group of Trees
09/APCH 27/TKOF	BUILDING	125654.22N 0773830.40E	2993	-	Building
09/APCH 27/TKOF	TREE	125659.68N 0773826.06E	2979	-	Group of Trees
27/APCH TKOF 09	BUILDING	125703.10N 0774106.09E	2900	-	Hut
27/APCH 09/TKOF		125702.89N 0774106.66E	2916	-	WDI
27/APCH 09/TKOF	OTHER	125711.64N 0774127.15E	2940	-	Light On Chimney (Chimney Top: 894.6 M)
27/APCH 09/TKOF	MAST	125713.29N 0774137.52E	2960	-	Cellphone Mast
27/APCH 09/TKOF	MAST	125713.60N 0774137.85E	2973	-	Cellphone Mast
27/APCH 09/TKOF	MAST	125719.45N 0774149.35E	2986	-	Cellphone Mast
27/APCH 09/TKOF	BUILDING	125721.78N 0774159.23E	3012	-	Building
27/APCH 09/TKOF	BUILDING	125726.92N 0774219.43E	3058	-	Building
27/APCH 09/TKOF	MAST	125701.65N 0774303.07E	3069	-	Pylon Mast
27/APCH 09/TKOF	ANTENNA	125722.79N 0774307.28E	3065	-	Antenna on Building (Building Top: 932.5 M)
In circling area and at AD	SIGN	125655.38N 0773928.73E	2887	-	Sign Board
In circling area and at AD	SIGN	125658.36N 0773928.39E	2887	-	Sign Board
In circling area and at AD	BUILDING	125654.10N 0773928.22E	2889	-	Hut

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	TREE	125650.22N 0773927.29E	2932	-	Group of Trees
In circling area and at AD	POLE	125653.57N 0773925.21E	2891	-	Camera Pole
In circling area and at AD	POLE	125659.59N 0773924.53E	2890	-	Camera Pole
In circling area and at AD	POLE	125702.52N 0773924.30E	2913	-	Camera Pole
In circling area and at AD	BUILDING	125651.73N 0773921.70E	2902	-	Security Hut
In circling area and at AD	BUILDING	125653.28N 0773921.24E	2887	-	Hut
In circling area and at AD	SIGN	125654.57N 0773919.69E	2883	-	Sign Board
In circling area and at AD	TREE	125650.62N 0773919.57E	2930	-	Group of Trees
In circling area and at AD	SIGN	125657.57N 0773919.47E	2883	-	Sign Board
In circling area and at AD	POLE	125659.08N 0773918.52E	2886	-	Camera Pole
In circling area and at AD	TREE	125649.14N 0773917.67E	2933	-	Group of Trees
In circling area and at AD	POLE	125652.47N 0773917.02E	2895	-	Light Pole
In circling area and at AD	POLE	125652.40N 0773913.96E	2897	-	Light Pole
In circling area and at AD	BUILDING	125652.93N 0773913.23E	2884	-	Hut
In circling area and at AD	BUILDING	125658.3N 0773913.05E	2885	-	Hut
In circling area and at AD	OTHER	125652.27N 0773912.73E	2885	-	Light On Hut (Hut Top: 879.0 M)
In circling area and at AD	POLE	125658.11N 0773912.60E	2885	-	Camera Pole

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	TREE	125703.20N 0773902.79E	2936	-	Group of Trees
In circling area and at AD	TREE	125701.44N 0773901.78E	2924	-	Group of Trees
In circling area and at AD	OTHER	125644.43N 0773849.43E	2970	-	Light on Building (Building Top: 904.2 M)
In circling area and at AD	ANTENNA	125703.86N 0773835.72E	3022	-	Antenna on Building (Building Top: 918.0 M)
In circling area and at AD	BUILDING	125704.95N 0773833.25E	3019	-	Building
In circling area and at AD	MAST	125705.96N 0773829.63E	3012	-	Cellphone Mast on Building (Building Top: 911.5 M)
In circling area and at AD	OTHER	125751.23N 0773910.27E	3083	-	Wind Turbine Structure
In circling area and at AD	BUILDING	125556.66N 0773612.95E	3417	-	Building
In circling area and at AD	MAST	125721.53N 0773759.01E	3090	-	Cellphone Mast
In circling area and at AD	MAST	125749.30N 0773736.18E	3110	-	Cellphone Mast
In circling area and at AD	MAST	125732.41N 0773734.23E	3070	-	Cellphone Mast
In circling area and at AD	POLE	125706.95N 0774047.63E	2909	-	Camera Pole
In circling area and at AD	SIGN	125705.47N 0774049.08E	2905	-	Sign Board
In circling area and at AD	ANTENNA	125706.46N 0774049.35E	2905	-	Old Met Antenna
In circling area and at AD	SIGN	125702.47N 0774049.38E	2904	-	Sign Board
In circling area and at AD	ANTENNA	125706.37N 0774049.47E	2905	-	Antenna
In circling area and at AD	ANTENNA	125707.28N 0774049.50E	2933	-	MET Antenna

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	MAST	125707.33N 0774049.65E	2920	-	Light Mast
In circling area and at AD	BUILDING	125701.32N 0774049.91E	2907	-	Hut
In circling area and at AD	OTHER	125658.01N 0774050.58E	2940	-	Lightning Arrester
In circling area and at AD	MAST	125651.72N 0774050.70E	3015	-	Cellphone Mast
In circling area and at AD	POLE	125658.65N 0774050.77E	2920	-	Camera Pole
In circling area and at AD	POLE	125701.15N 0774050.86E	2908	-	Camera Pole
In circling area and at AD	OTHER	125657.94N 0774051.00E	2939	-	Lightning Arrester
In circling area and at AD	NAV-AID	125657.48N 0774051.05E	2940	-	DVOR Hp DME Antenna Lighted Top
In circling area and at AD	NAV-AID	125657.87N 0774051.06E	2931	-	DVOR Main Antenna Top (Center)
In circling area and at AD	OTHER	125657.38N 0774051.19E	2940	-	Lightning Arrester
In circling area and at AD	OTHER	125658.22N 0774051.44E	2940	-	Lightning Arrester
In circling area and at AD	OTHER	125707.88N 0774052.37E	2907	-	RVR Camera
In circling area and at AD	ANTENNA	125708.06N 0774053.36E	2934	-	MET Antenna
In circling area and at AD	OTHER	125707.98N 0774053.36E	2907	-	RVR Camera
In circling area and at AD	POLE	125707.47N 0774053.55E	2907	-	Camera Pole
In circling area and at AD	OTHER	125700.21N 0774053.85E	2916	-	Light On Hut (Hut Top: 888.1 M)
In circling area and at AD	POLE	125700.20N 0774053.99E	2915	-	Camera Pole

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	NAV-AID	125700.32N 0774054.15E	2921	-	L/C Rod on GP DME Antenna (Lighted Top: 889.9 M)
In circling area and at AD	NAV-AID	125700.46N 0774054.17E	2949	-	L/C Rod on GP Main Antenna (Lighted Top: 898.6 M)
In circling area and at AD	NAV-AID	125700.68N 0774056.83E	2919	-	Gp Monitor Antenna
In circling area and at AD	SIGN	125706.33N 0774058.38E	2902	-	Sign Board
In circling area and at AD	SIGN	125703.31N 0774058.65E	2901	-	Sign Board
In circling area and at AD	POLE	125707.99N 0774059.48E	2904	-	Camera Pole
In circling area and at AD	SIGN	125708.05N 0774101.68E	2897	-	Sign Board
In circling area and at AD	SIGN	125708.33N 0774103.65E	2896	-	Sign Board
In circling area and at AD	BUILDING	125708.04N 0774104.17E	2902	-	Hut
In circling area and at AD	BUILDING	125702.62N 0774104.62E	2902	-	Hut
In circling area and at AD	OTHER	125704.12N 0774104.75E	2896	-	Arrester Barrier
In circling area and at AD	BUILDING	125702.72N 0774104.95E	2901	-	Hut
In circling area and at AD	POLE	125703.10N 0774105.38E	2903	-	Camera Pole
In circling area and at AD	ANTENNA	125659.26N 0774126.99E	2956	-	Antenna on Building (Building Top: 894.6 M)
In circling area and at AD	MAST	125719.42N 0774138.49E	2992	-	Cellphone Mast
In circling area and at AD	ANTENNA	125655.56N 0774141.56E	3028	-	Antenna on Building (Building Top: 912.1 M)
In circling area and at AD	MAST	125546.63N 0774218.92E	3064	-	Pylon Mast

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	MAST	125536.79N 0774227.69E	3077	-	Pylon Mast
In circling area and at AD	MAST	125532.73N 0774231.41E	3096	-	Pylon Mast
In circling area and at AD	OTHER	125610.39N 0774239.94E	3091	-	Crane On U/C Building
In circling area and at AD	POLE	125653.21N 0773912.78E	2884	-	Camera Pole
In circling area and at AD	POLE	125701.18N 0773942.30E	2904	-	Camera Pole
In circling area and at AD	SIGN	125659.88N 0773946.23E	2903	-	Sign Board
In circling area and at AD	SIGN	125656.94N 0773946.48E	2903	-	Sign Board
In circling area and at AD	OTHER	125704.04N 0773952.62E	2924	-	Structure
In circling area and at AD	POLE	125655.80N 0773953.72E	2925	-	Camera Pole
In circling area and at AD	POLE	125702.22N 0773954.16E	2914	-	Camera Pole
In circling area and at AD	MAST	125711.41N 0773954.47E	3027	-	Flood Light Mast
In circling area and at AD	BUILDING	125654.21N 0773954.90E	2915	-	Hut
In circling area and at AD	MAST	125711.89N 0773957.69E	3031	-	Flood Light Mast
In circling area and at AD	SIGN	125701.04N 0773958.70E	2913	-	Sign Board
In circling area and at AD	SIGN	125658.01N 0773959.01E	2913	-	Sign Board
In circling area and at AD	BUILDING	125656.73N 0773959.29E	2915	-	Hut
In circling area and at AD	POLE	125656.67N 0773959.96E	2918	-	Camera Pole

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	POLE	125702.71N 0774000.10E	2919	-	Camera Pole
In circling area and at AD	OTHER	125705.60N 0774010.51E	2958	-	WDI
In circling area and at AD	OTHER	125706.09N 0774004.09E	2950	-	DRDO Equipment
In circling area and at AD	OTHER	125706.17N 0774004.38E	2946	-	DRDO Equipment
In circling area and at AD	POLE	125703.27N 0774006.04E	2923	-	Camera Pole
In circling area and at AD	POLE	125706.86N 0774007.14E	2963	-	Pole
In circling area and at AD	POLE	125657.34N 0774007.23E	2923	-	Camera Pole
In circling area and at AD	OTHER	125655.23N 0774007.97E	2943	-	Barricade
In circling area and at AD	OTHER	125648.54N 0774007.96E	3027	-	Lightning Arrester
In circling area and at AD	ANTENNA	125648.82N 0774008.03E	3033	-	Antenna on ATC (ATC Top: 915.6 M)
In circling area and at AD	OTHER	125655.42N 0774008.31E	2921	-	Controller
In circling area and at AD	SIGN	125701.92N 0774008.78E	2918	-	Sign Board
In circling area and at AD	SIGN	125658.90N 0774009.00E	2918	-	Sign Board
In circling area and at AD	BUILDING	125657.08N 0774011.52E	2921	-	Hut
In circling area and at AD	POLE	125703.78N 0774011.97E	2924	-	Camera Pole
In circling area and at AD	ANTENNA	125655.55N 0774012.30E	2955	-	Antenna on Building (Building Top: 893.8 M)
In circling area and at AD	OTHER	125652.99N 0774014.10E	2989	-	Lightning Arrester

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	NAV-AID	125652.93N 0774014.26E	2984	-	Radar
In circling area and at AD	OTHER	125652.88N 0774014.42E	2989	-	Lightning Arrester
In circling area and at AD	POLE	125657.94N 0774015.03E	2921	-	Camera Pole
In circling area and at AD	POLE	125704.32N 0774017.86E	2921	-	Camera Pole
In circling area and at AD	SIGN	125702.64N 0774018.52E	2914	-	Sign Board
In circling area and at AD	SIGN	125702.81N 0774018.85E	2916	-	Sign Board
In circling area and at AD	SIGN	125659.83N 0774019.15E	2916	-	Sign Board
In circling area and at AD	SIGN	125704.53N 0774021.27E	2914	-	Sign Board
In circling area and at AD	POLE	125704.85N 0774023.73E	2918	-	Camera Pole
In circling area and at AD	SIGN	125703.71N 0774028.94E	2912	-	Sign Board
In circling area and at AD	SIGN	125700.72N 0774029.23E	2911	-	Sign Board
In circling area and at AD	POLE	125705.27N 0774029.79E	2917	-	Camera Pole
In circling area and at AD	BUILDING	125654.00N 0774032.80E	2986	-	Building
In circling area and at AD	TREE	125654.44N 0774033.08E	2968	-	Group of Trees
In circling area and at AD	BUILDING	125652.86N 0774035.15E	2984	-	Building
In circling area and at AD	POLE	125705.87N 0774035.70E	2914	-	Camera Pole
In circling area and at AD	POLE	125659.89N 0774036.63E	2914	-	Camera Pole

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	BUILDING	125659.95N 0774038.20E	2909	-	Hut
In circling area and at AD	SIGN	125704.59N 0774039.00E	2908	-	Sign Board
In circling area and at AD	OTHER	125657.63N 0774038.99E	2920	-	Old DVOR
In circling area and at AD	SIGN	125701.61N 0774039.16E	2908	-	Sign Board
In circling area and at AD	ANTENNA	125657.45N 0774039.41E	2926	-	Old Monitor Antenna
In circling area and at AD	TREE	125653.35N 0774039.60E	2989	-	Group of Trees
In circling area and at AD	POLE	125706.43N 0774041.69E	2912	-	Camera Pole
In circling area and at AD	POLE	125700.51N 0774043.76E	2911	-	Camera Pole
In circling area and at AD	ANTENNA	125706.05N 0774044.43E	2911	-	Old MET Antenna
In circling area and at AD	POLE	125705.97N 0774045.41E	2909	-	Pole
In circling area and at AD	POLE	125701.69N 0774045.63E	2909	-	Camera Pole
In circling area and at AD	NAV-AID	125657.94N 0774047.75E	2938	-	L/C Rod on DVOR Monitor Antenna (Lighted Top: 894.7 M)
In circling area and at AD	BUILDING	125908.75N 0773515.25E	3432	-	Building
In circling area and at AD	MAST	130029.80N 0773532.27E	3528	-	TV Tower
In circling area and at AD	MAST	125900.77N 0773534.52E	3420	-	Mast
In circling area and at AD	BUILDING	125822.48N 0773549.22E	3426	-	Building
In circling area and at AD	ANTENNA	125233.26N 0773552.62E	3529	-	Antenna on Mantri Pinalke Building (Building Top: 1072.6 M)

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	ANTENNA	125826.73N 0773635.31E	3319	-	Antenna on Building (Building Top: 1001.8 M)
In circling area and at AD	MAST	125823.35N 0773649.51E	3255	-	Cellphone Mast on Building (Building Top: 971.6 M)
In circling area and at AD	BUILDING	125816.34N 0773705.94E	3219	-	Building
In circling area and at AD	BUILDING	125816.96N 0773707.03E	3265	-	Building
In circling area and at AD	ANTENNA	125830.76N 0773714.87E	3243	-	Antenna on Building (Building Top: 976.0 M)
In circling area and at AD	MAST	125048.21N 0773720.96E	3410	-	Pylon Mast
In circling area and at AD	MAST	125808.39N 0773851.03E	3095	-	Cellphone Mast
In circling area and at AD	MAST	125806.04N 0773944.14E	3080	-	Cellphone Mast
In circling area and at AD	MAST	125809.54N 0773946.67E	3119	-	Pylon Mast
In circling area and at AD	MAST	125811.39N 0773949.37E	3130	-	Pylon Mast
In circling area and at AD	MAST	125818.08N 0773959.79E	3127	-	Pylon Mast
In circling area and at AD	BUILDING	125759.06N 0774008.05E	3118	-	Building
In circling area and at AD	BUILDING	125446.53N 0774051.37E	3118	-	Building
In circling area and at AD	BUILDING	125848.26N 0774144.36E	3121	-	Building
In circling area and at AD	BUILDING	125833.61N 0774156.94E	3198	-	Building
In circling area and at AD	BUILDING	125834.47N 0774219.28E	3147	-	Building
In circling area and at AD	BUILDING	125825.12N 0774237.20E	3148	-	Building

RWY/Area affected	Obstacle type	Coordinates	Elevation (FT) EGM 08	Marking/ LGT	Remarks
1	2	3	4	5	6
In circling area and at AD	MAST	125821.77N 0774239.06E	3118	-	Cellphone Mast on Building (Building Top: 949.1 M)
In circling area and at AD	MAST	125526.85N 0774239.03E	3135	-	Pylon Mast
In circling area and at AD	ANTENNA	125818.14N 0774246.14E	3090	-	Antenna on Building (Building Top:934.6 M)
In circling area and at AD	ANTENNA	125817.99N 0774249.39E	3090	-	Antenna on Building (Building Top:934.8 M)
In circling area and at AD	ANTENNA	125802.08N 0774253.94E	3065	-	Antenna on Building (Building Top:932.7 M)
In circling area and at AD	ANTENNA	125812.79N 0774254.38E	3088	-	Antenna on Building (Building Top: 936.7 M)
In circling area and at AD	ANTENNA	125814.76N 0774256.64E	3071	-	Antenna on Building (Building Top: 932.0 M)
In circling area and at AD	ANTENNA	125805.95N 0774257.25E	3089	-	Antenna on Building (Building Top: 939.4 M)
In circling area and at AD	OTHER	125807.84N 0774257.37E	3084	-	Light on Building (Building Top: 937.9 M)
In circling area and at AD	STACK	125812.98N 0774257.54E	3084	-	Chimney
In circling area and at AD	MAST	125835.34N 0774301.51E	3153	-	Pylon Mast
In circling area and at AD	MAST	125757.29N 0774301.41E	3079	-	Cellphone Mast
In circling area and at AD	MAST	125833.42N 0774302.27E	3146	-	Pylon Mast

VOBG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Name of the associated meteorological office	AD MET service, Bengaluru AMS - HAL
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	BIAL (Devanahali) H-24 Meteorological office at KIAL Airport 9 & 30 Hrs

4	Availability of the trend forecast for the aerodrome and interval of issuance	NIL Half Hourly
5	Information on how briefing and/or consultation is provided	Self-briefing Online
8	Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images;	Satellite Pictures. Instrument RVR for RWY 27 TDZ available Digital Current Weather Instrument System (DCWIS)

VOBG AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations	TRUE Bearings	Dimensions of RWY (M)	Strength of pavement (PCR) and associated data) and surface of each runway and associated stopway	Geographical coordinates for threshold and runway end
1	2	3	4	5
09	85.00 DEG 84.86 DEG	3306 x 61	60/F/A/X/T PCR 2180/F/AX/T Asphalt	THR: 125656.00N 0773913.70E 125655.63N 0773914.31E END: 125705.26N 0774103.55E
27	265.00 DEG 264.86 DEG	3306 x 61	60/F/A/X/T PCR 2180/F/AX/T Asphalt	THR: 125706.00N 0774103.60E 125705.26N 0774103.55E END: 125655.63N 0773914.31E
THR elevation and highest elevation of TDZ of precision APP RWY	Slope of runway and associated stop way	Dimensions of stopway (M)	Dimensions of clearway (M)	Dimensions of strips (M)
6	7	8	9	10
THR: 2874.0 FT THR: 2877 FT TDZ: 2897 FT	0.63% 0.70 %	90 x 61 M NIL	300 x 150 NIL	3666 x 165 M 3426 X 280 M
THR: 2893 FT THR: 2896 FT TDZ: 2907 FT	0.39% 0.40 %	NIL	300 x 150 NIL	3666 x 165 M 3426 X 280 M

Dimensions of runway end safety areas	Location (which runway end) and description of arresting system (if any)	Existence of an obstacle-free zone	Remarks.
11	12	13	14
<p>150M x 61M 240M X 122M</p>	<p>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 take-off</p> <p>Aircraft Arrester Barrier System is intended only for military flights. Location: Beyond 40 M of THR RWY 09/27.</p>	<p>Eastern side of Airport</p>	<p>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</p> <p>1. ABS Operating procedure: a) Barrier is raised only for fighter operations. b) Barrier when raised at the end of active RWY has height of approximately 12 feet. c) The Barrier net is flushed with the ground when in lowered position. d) Barrier is remotely controlled from TWR. Pilots to exercise caution while landing and takeoff.</p> <p>2. Caution has to be exercised for a steep drop in the terrain after RESA for RWY 09.</p>

			<p>3. Width of Runway strip is 280 M of which graded portion is as mentioned below:</p> <p>a) 90 M north of runway centerline</p> <p>b) 75 M south of runway centerline</p>
<p>150M x 61M 240 x 122 M</p>	<p>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. Aircraft Arrestor Barrier System is only intended for military flights. Location: Beyond 40 Meter of Threshold Runway 27.</p>	<p>Eastern side of Airport</p>	<p>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</p> <p>1. ABS Operating procedure:</p> <p>a) Barrier is raised only for fighter ops.</p> <p>b) Barrier when raised at the end of active RWY has height of approximately 12 feet.</p> <p>c) The Barrier net is flushed with the ground when in lowered position.</p> <p>d) Barrier is remotely controlled from TWR. Pilots to exercise caution while landing and takeoff.</p> <p>2. Caution has to be exercised for a steep drop in the terrain after RESA for RWY 09.</p> <p>3. Width of Runway strip is 280 M of which graded portion is as mentioned below:</p> <p>a) 90 M north of runway centerline</p> <p>b) 75 M south of runway centerline</p>

VOBG AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks Including runway entry or start point where alternative reduced declared distances have been declared.
1	2	3	4	5	6
09	3306	3306	3306	3306	<p>For Heavy Aircraft</p> <p>1. Heavy Aircraft to line-up 150 M ahead of runway threshold to protect aircraft arrester barrier, accordingly, declared distances for a heavy aircraft are:</p> <p>i) TORA: 3155 M 3156 M ii) TODA: 3429 M 3156 M iii) ASDA: 3155 M 3156 M iv) LDA: 3307 M 3306 M</p> <p>2. TORA/TODA/ASDA RWY 09 from TWY W1: 2740 M</p>
27	3306	3306	3306	3306	<p>For Heavy Aircraft</p> <p>1. Heavy Aircraft to line-up 150 M ahead of runway threshold to protect aircraft arrester barrier, accordingly, declared distances for a heavy aircraft are:</p> <p>i) TORA: 3155 M 3156 M ii) TODA: 3429 M 3156 M iii) ASDA: 3155 M 3156 M iv) LDA: 3307 M 3306 M</p> <p>2. TORA/TODA/ASDA RWY 27 from TWY E1: 1900 M</p>

VOBG 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 300M 420 M LIH	Green	PAPI Left / 3 DEG	NIL
27	SALS 300M LIH	Green	PAPI Reft /3 DEG	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
NIL	3300-M 3306 M 60 M WHITE LIH	Red	NIL	NIL
NIL	3300-M 3306 M 60 M WHITE LIH	Red	NIL	NIL

VOBG AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

2	Location and lighting (if any) of anemometer/landing direction indicator;	LDI	Approximately 700 M 560 M North of Control Tower unlighted
		Anemometer	Over ATS reporting office (1000m north of control tower) unlighted Near Touchdown Zone - RWY 27
3	Taxiway edge and taxiway centre line lights;	Edge	All TWY except W2 (Reflectors AVBL for W2).
		Centre line	NIL
4	Secondary power supply including switch-over time;	Secondary power supply to all lighting at AD, switchover time 6-see less than 15 Seconds	

VOBG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aids, magnetic and type of supported operation for ILS/MLS, basic GNSS, SBAS and GBAS, and for VOR/ILS/MLS station used for technical line-up of the aid	Identification	Frequency(ies), Channel number(s), Service provider, and reference path identifier(s) (RPI), as appropriate	Hours of operation, as appropriate;	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
1	2	3	4	5	6	7	8
LOC 27 CAT I	IBLR	110.500 MHz	H24	125654.7N 0773903.9E 125654.645N 0773903.247E			Elevation of LOC antenna 2879 FT
GP 27		329.600 MHz	H24	125700.6N 0774055.6E 125700.456N 0774054.166E			Elevation of Glide Path Antenna 2962 FT
DME ILS 27	IBLR	CH42X CH42X	H24	125700.6N 0774055.6E 125700.315N 0774054.146E	2943 FT 2920 FT		ILS DME Collocated with GP
DVOR/DME	BBG	115.500 MHz CH102x	H24	125659.1N 0774051.6E 125657.868N 0774051.060E	2945 FT 2940 FT		

VOBG AD 2.20 LOCAL AERODROME REGULATIONS

NIL

1. Yelahanka Military Airbase (VOYK), where Military Flying activities are conducted, exists at close proximity North of HAL Bengaluru Airport with similar runway orientation, Helicopters operating in the North sector of HAL to remain within VO(R) 181(C).
2. Arrival /Departure may be delayed, as Test Flying operation is accorded priority.
3. Prior permission to be obtained from ATS-in Charge for non-scheduled flights, Military flights for carrying out local flying.

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	N125713.00 E0773943.00	
3	N125713.00 E0773944.00	2. Nose-in guidance (PAPA-AGNIS) available for Bays 5/5A & 6. along with Aerobridge facility.
4	N125713.00 E0773945.00	
5	N125713.00 E0773947.00	3a. When Stand 5A is used, the vehicular path west of stand will remain closed
5A	N125712.00 E0773946.00	
6	N125713.00 E0773949.00	3b. Two B747-400 types of aircraft could be parked in Bays 5A & Bay 6 simultaneously.
7	N125713.00 E0773952.00	
8	N125710.00 E0773952.00	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	N125710.00 E0773947.00	

ii. ——— Operators of Medium/Heavy aircraft to ensure availability of Tow Bar

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 longitudinally.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.~~

i) Operators of Medium / Heavy aircraft to ensure availability of Tow Bar.

ii) All arriving/departing aircraft to exercise caution for helicopter operations north of runway and over Bravo Helipad which is 250 M North of RWY 09/27.

- iii) **Heavy aircraft to line up 150 M ahead of Threshold to protect aircraft arrester barriers at both ends of Runway.**
- iv) **Arrivals/Departures to expect delay daily between 0000 UTC to 0200 UTC due to excessive bird activity over the airfield.**
- v) **Arrivals/departures to avoid operations during 30 minutes before and 1 hour after sunset due to excessive bat activity over the Aerodrome. (Refer NOTAM for timing).**
- vi) **Helicopters may be permitted to land on taxiway, abeam any Apron.**
- vii) **Caution to be exercised for a steep drop in the terrain after RESA for RWY 09.**
- viii) **Prior permission for night halt parking shall be obtained from ATS-in Charge.**
- ix) **Six aprons are available at HAL Co-ordinates. For details refer Aircraft Parking/Docking Chart.**

OTHER AMENDMENTS/CANCELLATION

1. **Insert** Aerodrome Chart of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
2. **Insert** Aircraft Parking/Docking Chart of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
3. **Insert** Aerodrome Obstacle Chart Type A (Operating Limitations) RWY 09 of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
4. **Insert** Aerodrome Obstacle Chart Type A (Operating Limitations) RWY 27 of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
5. **Insert** Aerodrome Obstacles Chart Type B of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
6. **Delete** Instrument Approach Chart – ILS RWY 27 on page AD 2 VOBG 2-101 (01 JUL 2019) in eAIP India and amend the list of charts accordingly.
7. **Delete** Instrument Approach Chart – VOR RWY 09 on page AD 2 VOBG 2-201 (01 JUL 2019) in eAIP India and amend the list of charts accordingly.
8. **Delete** Instrument Approach Chart – VOR RWY 27 on page AD 2 VOBG 2-203 (01 JUL 2019) in eAIP India and amend the list of charts accordingly.

9. **Insert** Instrument Approach Chart – ILS Z OR LOC RWY 27 of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
10. **Insert** Instrument Approach Chart – ILS Y OR LOC RWY 27 of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
11. **Insert** Instrument Approach Chart – VOR RWY 09 of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
12. **Insert** Instrument Approach Chart – VOR RWY 27 of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
13. **Insert** Instrument Approach Chart – RNP Y RWY 09 and its associated tabular Description of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
14. **Insert** Instrument Approach Chart – RNP Y RWY 27 and its associated tabular Description of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
15. **Insert** Instrument Approach Chart – RNP X RWY 09, CAT H and its associated tabular Description of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
16. **Insert** Instrument Approach Chart – RNP X RWY 27, CAT H and its associated tabular Description of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.
17. **Insert** ATC Surveillance Minimum Altitude Chart of this AIP supplement in VOBG AD 2.24 of eAIP India and amend the list of charts accordingly.

AERODROME CHART 12°57'07.83"N
077°39'51.90"E

AD.ELEV 2915ft.

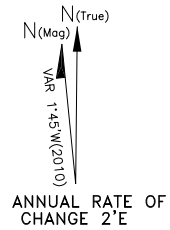
TWR 123.500

HAL, INDIA

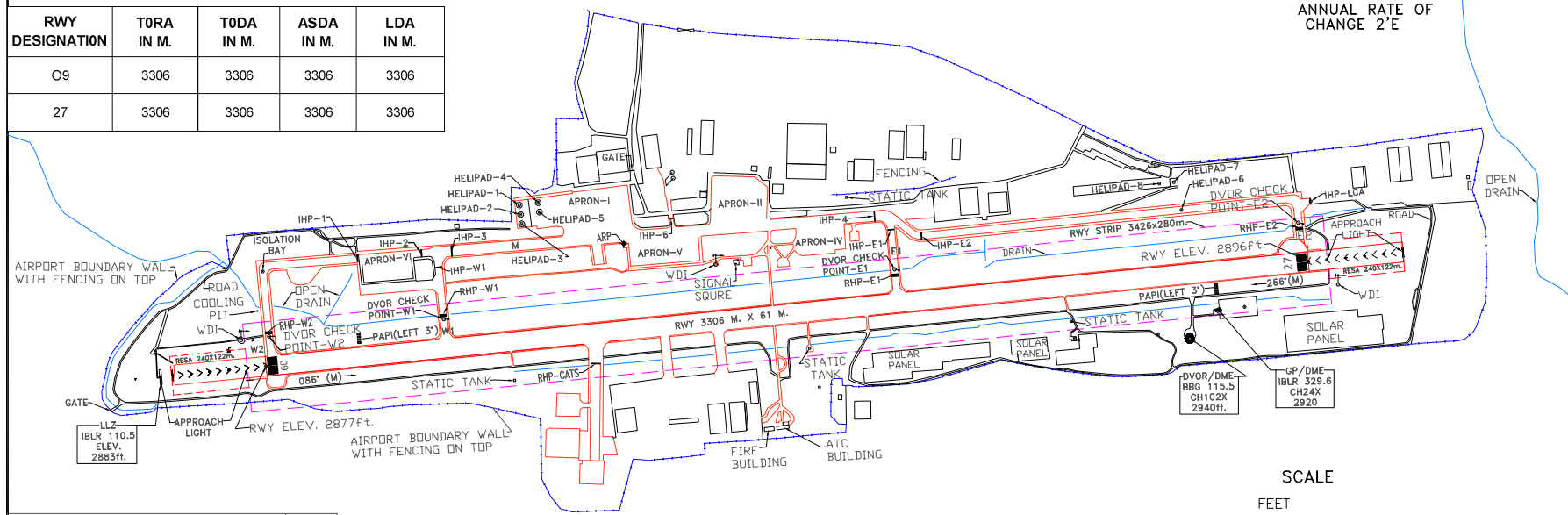
HAL AIRPORT

RWY	DIRECTION	THR CO-ORDINATES	THR ELEV.	PCN	PCR
09	087°	12°56'55.63"N 077°39'14.31"E	2877ft.	94/F/A/X/T	2180/F/A/X/T
27	267°	12°57'05.26"N 077°41'03.55"E	2896ft.	94/F/A/X/T	2180/F/A/X/T

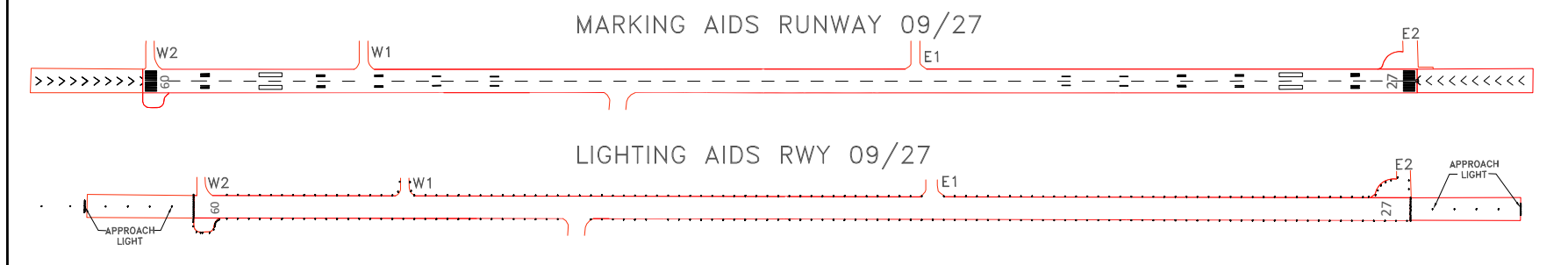
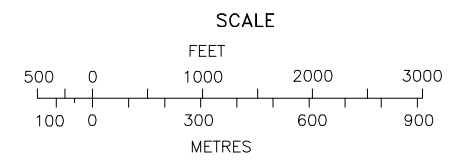
* DATUM :
HORIZONTAL : WGS-84
VERTICAL : EGM-08
* DIMENSIONS IN METRES
* ELEVATIONS IN FEET.



RWY DESIGNATION	TORA IN M.	TODA IN M.	ASDA IN M.	LDA IN M.
09	3306	3306	3306	3306
27	3306	3306	3306	3306



LEGEND	
RHP (RWY HOLDING POSITION)	
DVOR CHECK POINT	
IHP (INTERMEDIATE) HOLDING POSITION	



DATE OF AERONAUTICAL INFORMATION
FEBRUARY 2026

DRG. NO.-AAI/08-AC/2026

**AIRCRAFT PARKING/
DOCKING CHART**

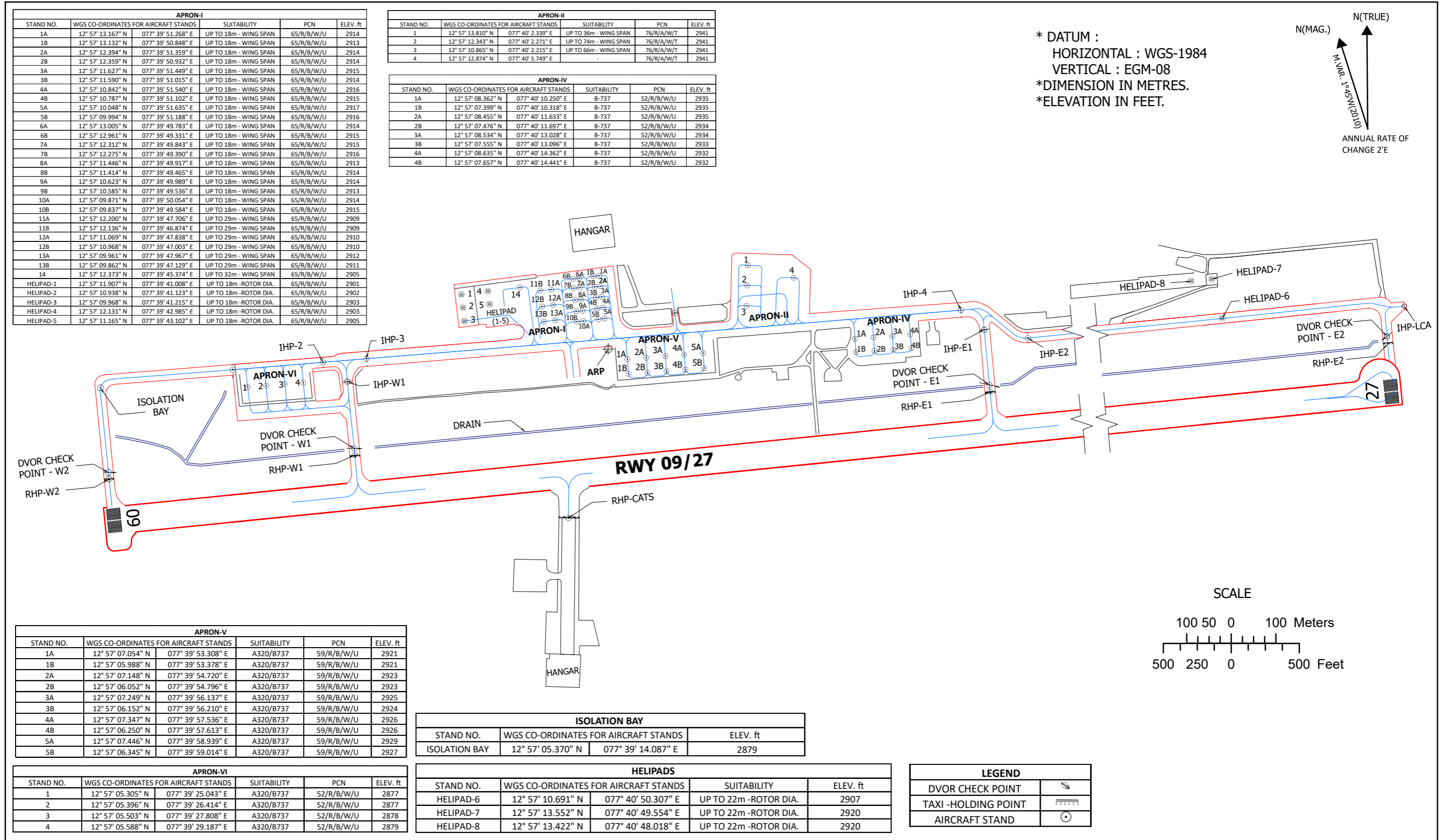
APRON-I ELEV. 2917 ft.
APRON-II ELEV. 2941 ft.

APRON-IV ELEV. 2935 ft.
APRON-V ELEV. 2929 ft.

APRON-VI ELEV. 2879 ft.

TWR 123.5

**HAL, INDIA
HAL BENAGLURU AIRPORT**



DATE OF AERONAUTICAL INFORMATION
FEBRUARY, 2026

AIRPORTS AUTHORITY OF INDIA

DRG NO. : AAI-09/PDC/2026 (CARTO)

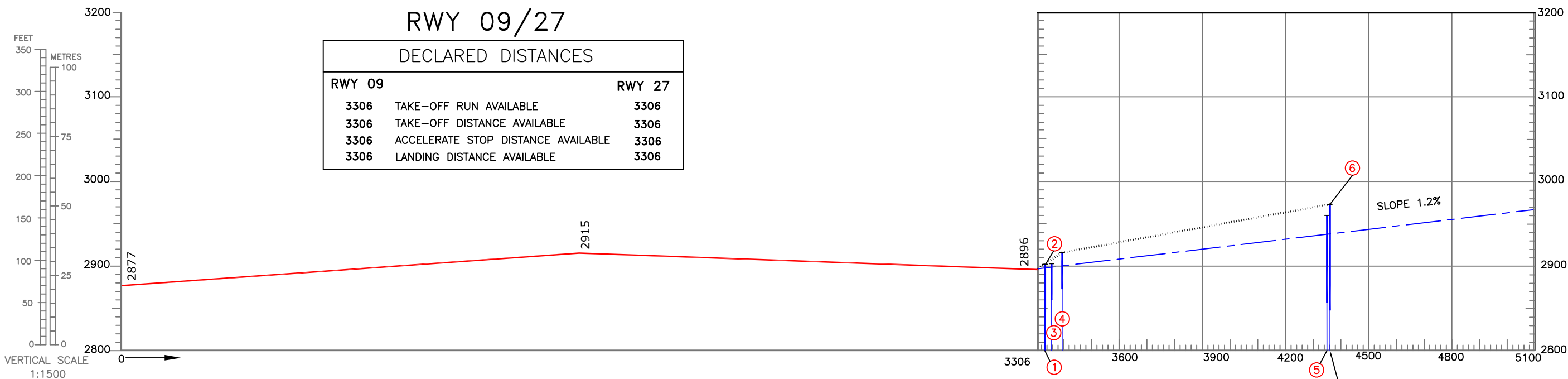
ELEVATIONS IN FEET AND EGM - 08
ALL OTHER DIMENSIONS IN METRES

AERODROME OBSTACLE CHART

TYPE -A (OPERATING LIMITATIONS)

INDIA/BENGALURU
HAL AIRPORT/RWY 09

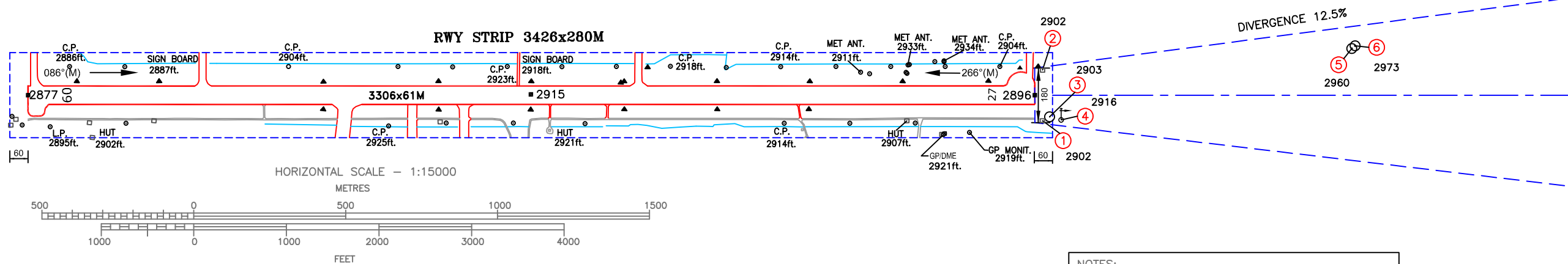
MAGNETIC VARIATION 1°W (2010)



DECLARED DISTANCES	
RWY 09	RWY 27
3306 TAKE-OFF RUN AVAILABLE	3306
3306 TAKE-OFF DISTANCE AVAILABLE	3306
3306 ACCELERATE STOP DISTANCE AVAILABLE	3306
3306 LANDING DISTANCE AVAILABLE	3306

VERTICAL SCALE
1:1500

NO SIGNIFICANT OBSTACLES
BEYOND THIS POINT



HORIZONTAL SCALE - 1:15000
METRES
FEET

LEGEND

	PLAN	PROFILE
IDENTIFICATION NUMBER	①	
POLE,CAMERA,MOBILE,ANTENNA MAST.	⊙	
WDI	⊕	
SIGN BOARD	▲	
CAMERA POLE	⊙	
HUT	□	
SPOT ELEV.	■ 2915	

ORDER OF ACCURACY
HORIZONTAL - 3.0m
VERTICAL - 1.0ft

S. NO.	UUID	OBJECT	TOP ELEV. (IN ft.)
1	VOBG_5064	HUT	2902
2	VOBG_5063	HUT	2902
3	VOBG_7033	CAMERA POLE	2903
4	VOBG_9137	WDI	2916
5	VOBG_7156	CELLPHONE MAST	2960
6	VOBG_7150	CELLPHONE MAST	2973

NOTES:-

1. The objects that have been shielded due to presence of other higher objects have not been shown in this chart.
2. Datum - All Elevations are in EGM-08.
3. Periphery road without traffic is no obstacle.
4. Consult Notam for latest information.
5. Rwy directions rounded to nearest degree.(Magnetic).
(In degree minute : Rwy 09/27 =086°37'/266°37')(2010).
(In degree minute : Rwy 09/27 =086°05'/266°05')(2026).
6. Magnetic variation rounded to nearest degree 1°45'W, Annual rate of change 2'E (2010).
7. All obstacles shown in this chart are based on aeronautical obstacle Survey Nov. 2025.
8. Chart prepared based on CAR Section 9 AS&ATM. Series 'G', Part-I.

AMENDMENT RECORD

NO.	DATE	ENTERED BY

AERONAUTICAL INFORMATION UPTO - FEB.2026

COMPILED BY : CARTO, AIRPORTS AUTHORITY OF INDIA

CHART No. AAI/10-OBS/CARTO-2026

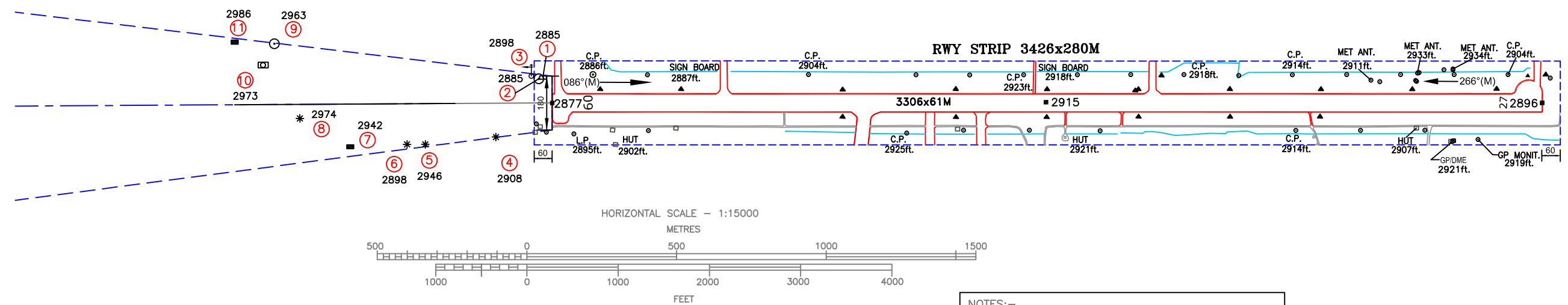
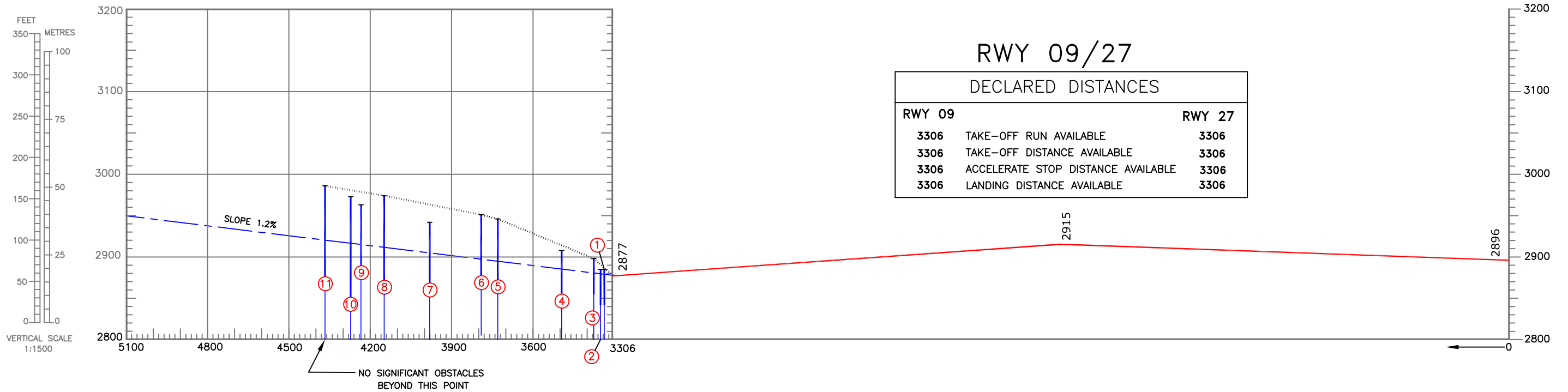
ELEVATIONS IN FEET AND EGM - 08
ALL OTHER DIMENSIONS IN METRES

AERODROME OBSTACLE CHART

TYPE -A (OPERATING LIMITATIONS)

INDIA/BENGALURU
HAL AIRPORT/RWY 27

MAGNETIC VARIATION 1°W (2010)



LEGEND		
	PLAN	PROFILE
IDENTIFICATION NUMBER	①	
POLE,CAMERA,MOBILE,ANTENNA MAST.	⊙	
TREE OR SHRUB	*	
BUILDING	■	
ANTENNA,WATER TANK ON BUILDING	▣	
HUT	□	
SIGN BOARD	▲	
SPOT ELEV.	■ 2915	

ORDER OF ACCURACY
HORIZONTAL - 3.0m
VERTICAL - 1ft.

S. NO.	UUID	OBJECT	TOP ELEV. (IN ft.)
1	VOBG_5050	HUT	2885
2	VOBG_7004	CAMERA POLE	2885
3	VOBG_7227	WDI	2898
4	VOBG_6018	GROUP OF TREES	2908
5	VOBG_6009	GROUP OF TREES	2946
6	VOBG_6006	GROUP OF TREES	2951
7	VOBG_5124	BUILDING	2942
8	VOBG_6044	GROUP OF TREES	2974
9	VOBG_7161	POLE	2963
10	VOBG_9153	ANTENNA ON BUILDING	2973
11	VOBG_5126	BUILDING	2986

NOTES:-

- The objects that have been shielded due to presence of other higher objects have not been shown in this chart.
- Datum - All Elevations are in EGM-08.
- Periphery road without traffic is no obstacle.
- Consult Notam for latest information.
- Rwy directions rounded to nearest degree.(Magnetic).
(In degree minute : Rwy 09/27 =086°37'/266°37')(2010).
(In degree minute : Rwy 09/27 =086°05'/266°05')(2026).
- Magnetic variation rounded to nearest degree 1°45'W, Annual rate of change 2'E (2010).
- All obstacles shown in this chart are based on aeronautical obstacle Survey Nov. 2025.
- Chart prepared based on CAR Section 9 AS&ATM. Series 'G', Part-I.

AMENDMENT RECORD		
NO.	DATE	ENTERED BY

AERONAUTICAL INFORMATION UPTO - FEB. 2026

COMPILED BY- CARTO, AIRPORTS AUTHORITY OF INDIA

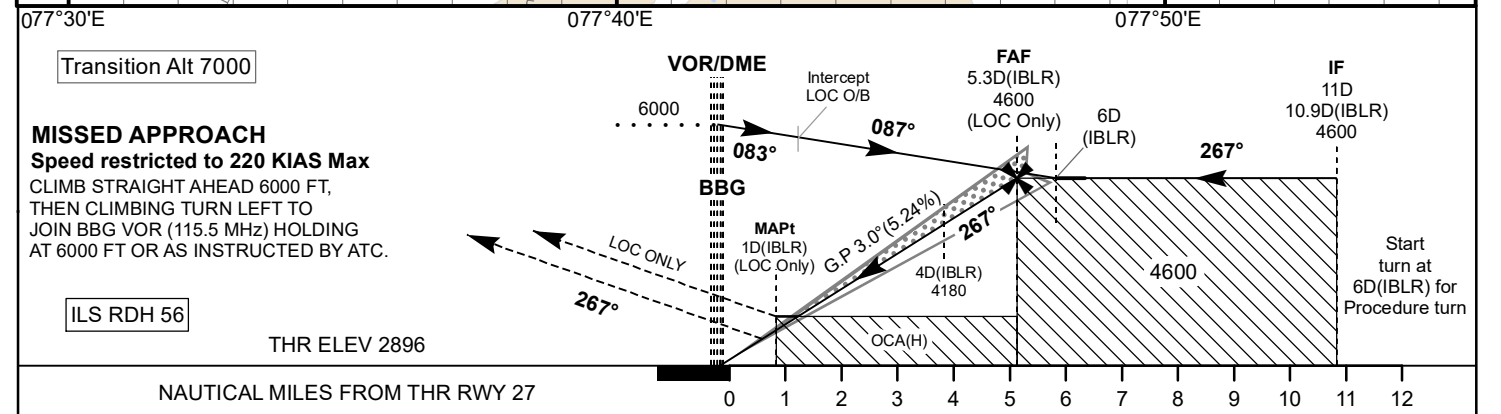
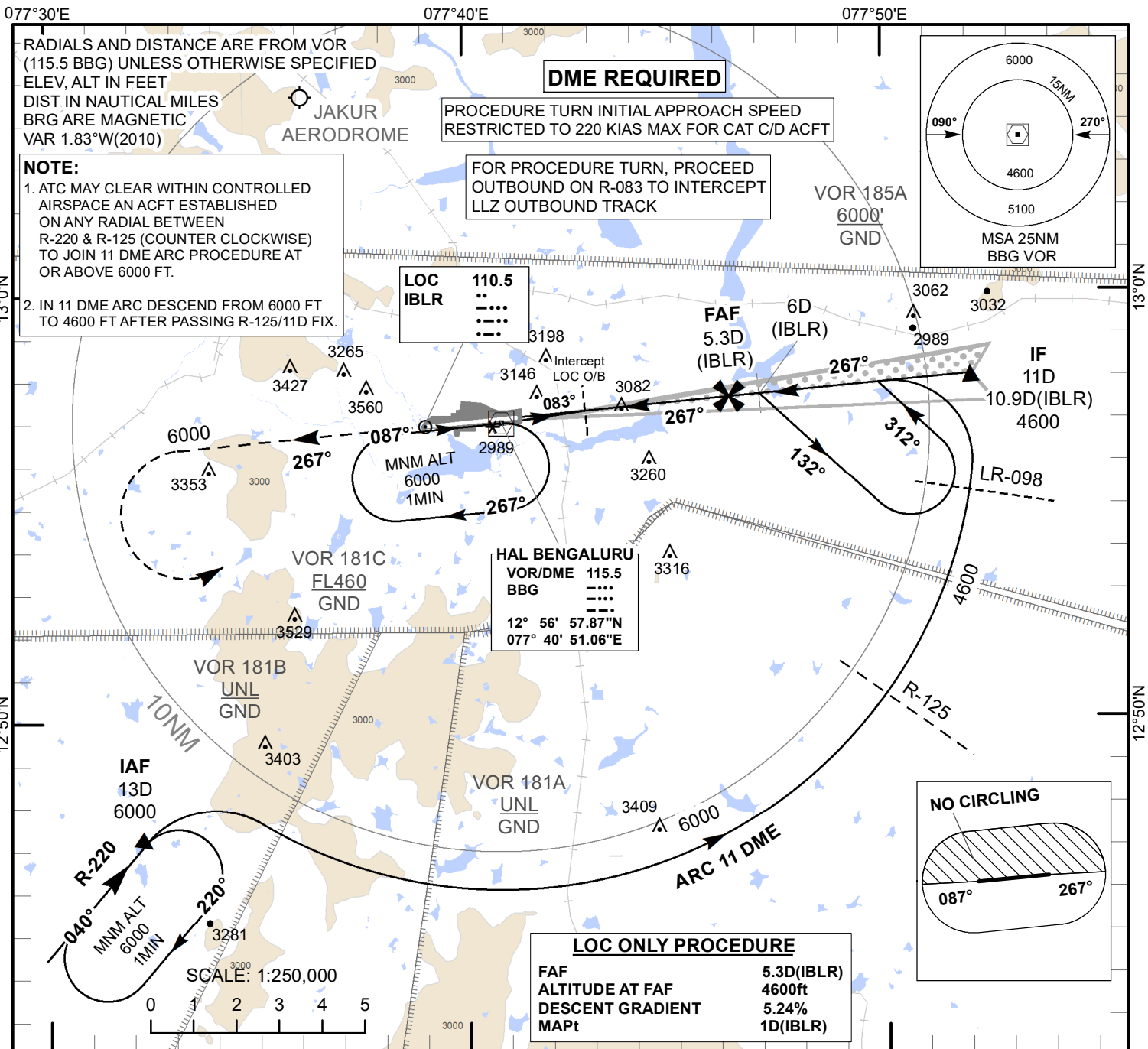
CHART No. AAI/11-OBS/CARTO-2026

**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 2915 ft
HEIGHTS RELATED TO
THR RWY 27 - ELEV 2896 ft

APP 127.700
TWR 123.500

HAL BENGALURU (VOBG)
INDIA
ILS Z OR LOC RWY 27



		Distance / Altitude Information for LOC Only Procedure									
OCA(H)	A	B	C	D	Distance (IBLR-DME)	NM	5.3D(FAF)	5D	4D	3D	2D
					Altitude	Ft	4600	4500	4180	3860	3540
Straight-in	ILS	3140(244)									
	LOC Only	3340(444)									
Circling	3600(685)		3960(1045)								
					Ground speed / Rate of Descent Information for LOC Only Procedure						
				Ground Speed	Kt	80	100	120	140	160	180
				Rate of Descent (5.24%)	Ft/Min	425	530	635	745	850	955

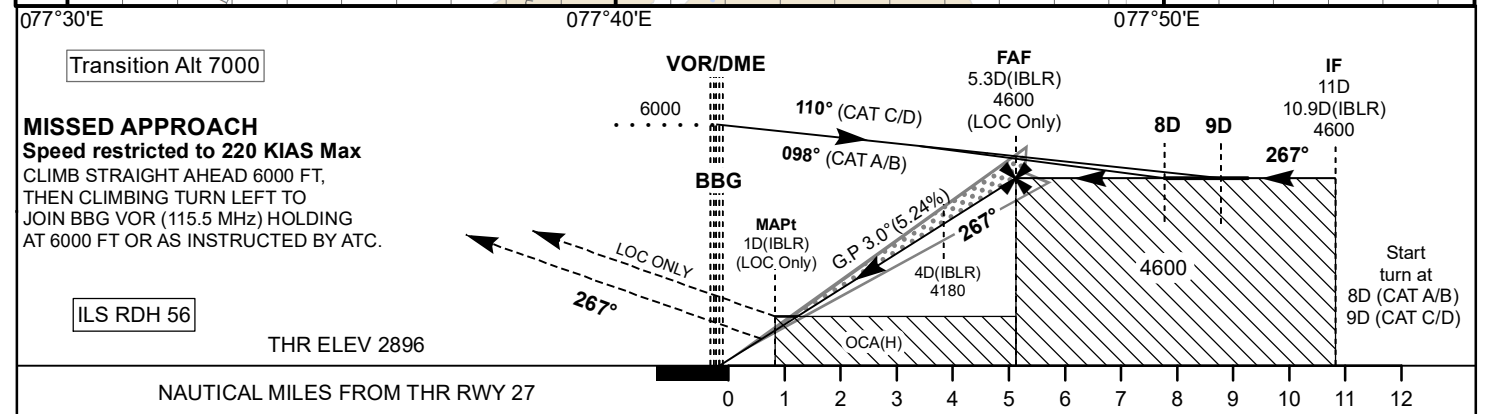
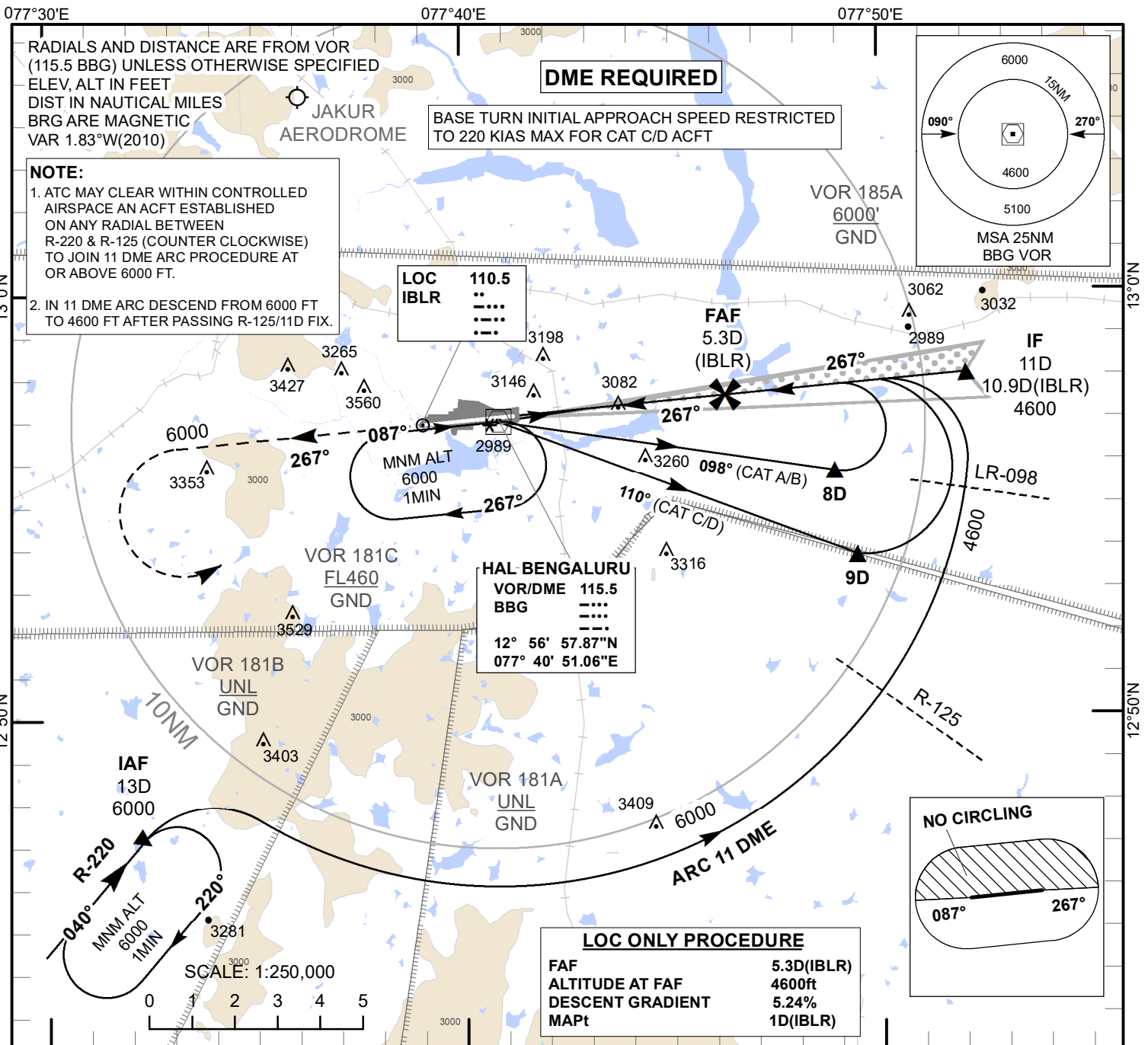
DRG.NO. AAI/36-IALC/230426/04/05/2026

INSTRUMENT APPROACH CHART

AERODROME ELEV 2915 ft
 HEIGHTS RELATED TO
 THR RWY 27 - ELEV 2896 ft

APP 127.700
 TWR 123.500

HAL BENGALURU (VOBG)
 INDIA
ILS Y OR LOC RWY 27



Distance / Altitude Information for LOC Only Procedure												
OCA(H)	A	B	C	D	Distance (IBLR-DME)	NM	5.3D(FAF)	5D	4D	3D	2D	
Straight-in	ILS	3140(244)				Altitude	Ft	4600	4500	4180	3860	3540
	LOC Only	3340(444)				Ground speed / Rate of Descent Information for LOC Only Procedure						
Circling	3600(685)		3960(1045)		Ground Speed	Kt	80	100	120	140	160	180
					Rate of Descent (5.24%)	Ft/Min	425	530	635	745	850	955

DRG.NO. AAI/37-IALC/230426/04/05/2026

**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 2915 ft

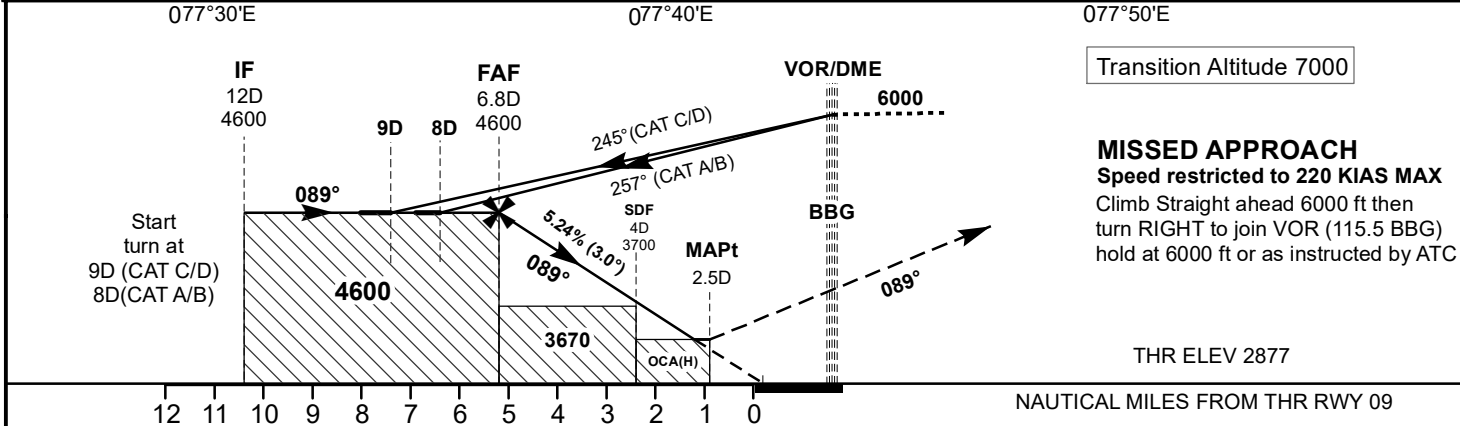
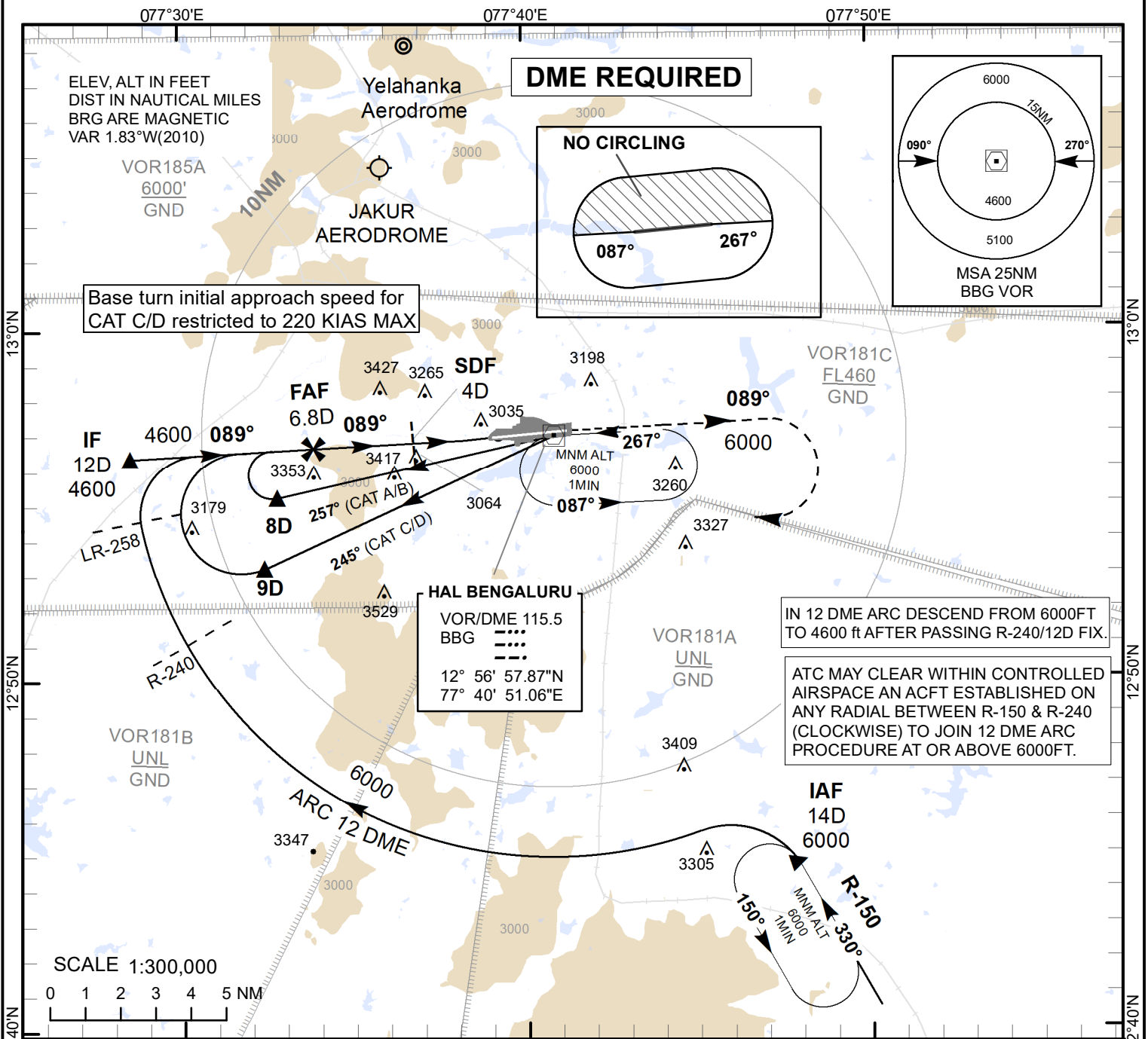
HEIGHTS RELATED TO
THR RWY 09 - ELEV 2877FT

APP 127.700
TWR 123.350

HAL BENGALURU (VOBG)

INDIA

VOR RWY 09



OCA(H)		A	B	C	D	Distance/Altitude Information						
STRAIGHT-IN	WITH SDF	3320(443)				Distance (BBG-DME)	NM	6.8D(FAF)	6D	5D	4D	3D
	WITHOUT SDF	3670(793)				Altitude	FT	4600	4340	4020	3700	3390
CIRCLING	3600(685)		3960(1045)		Rate of descent/ Ground speed information							
	Ground Speed		Kt		80	100	120	140	160	180		
Rate of descent(5.24%)		Ft/ MIN		425	530	635	745	850	955			

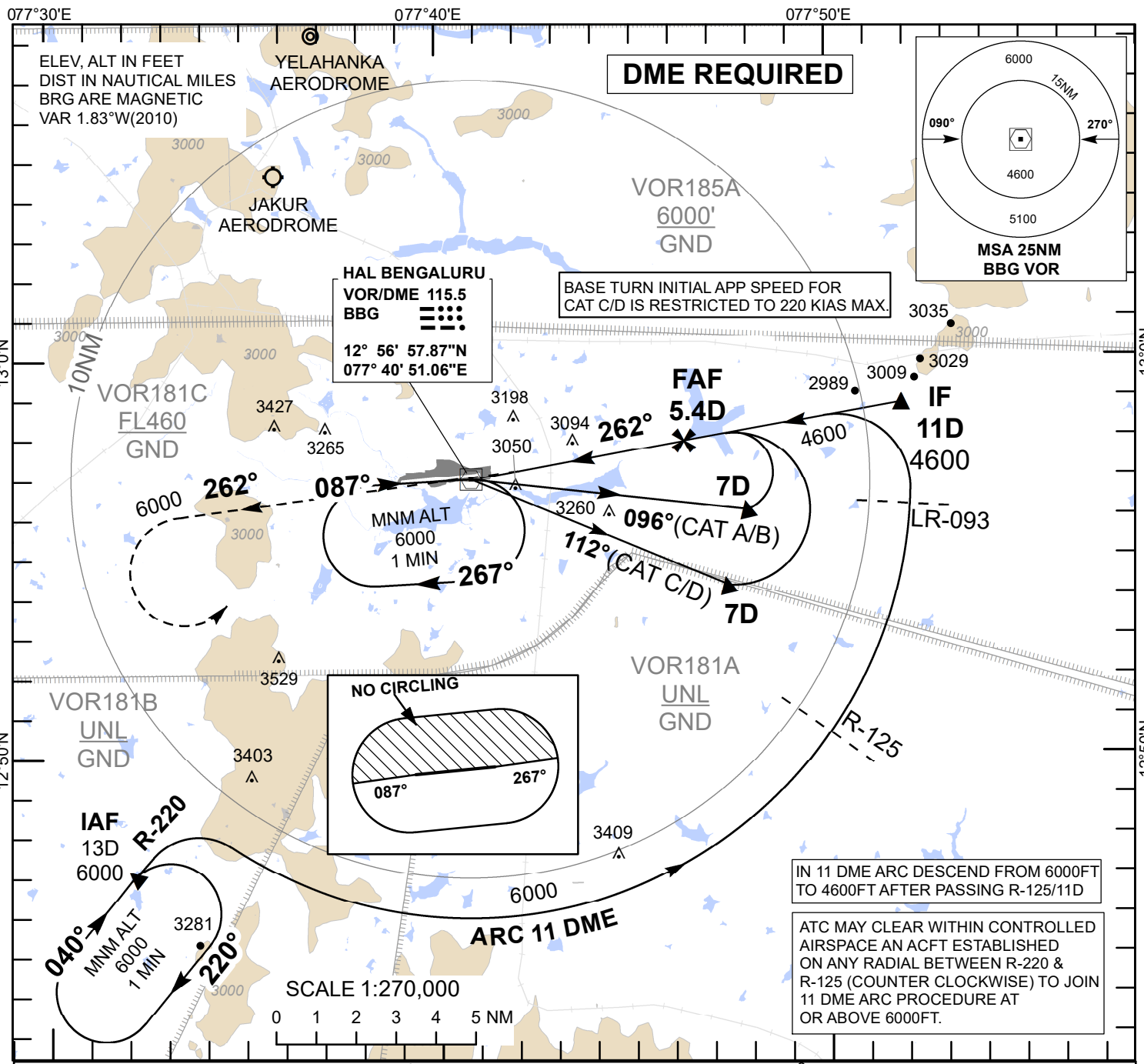
DRG.NO. AAI/35-IALC/050326/04/05/2026

**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 2915 ft
HEIGHTS RELATED TO
THR RWY 27 - ELEV 2896FT

APP 127.700
TWR 123.500

HAL BENGALURU (VOBG)
INDIA
VOR RWY 27



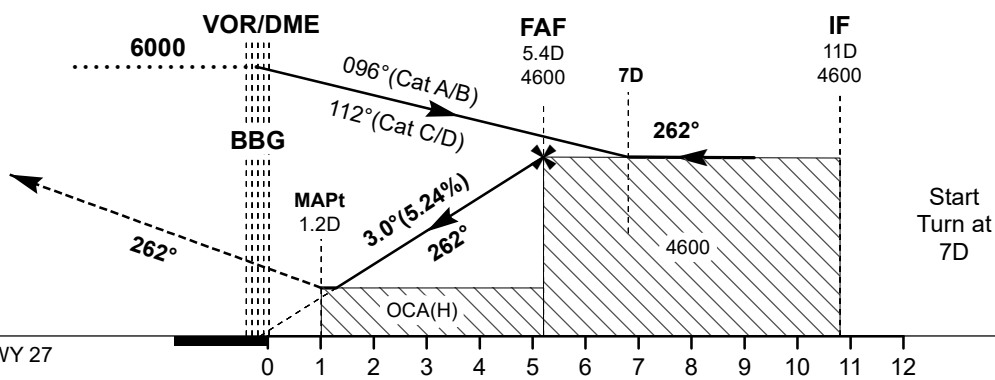
Transition Alt 7000

MISSED APPROACH

SPEED RESTRICTED TO 220 KIAS MAX
Climb straight ahead 6000ft
then turn LEFT to join
VOR(BBG 115.5) hold at 6000ft
or as instructed by ATC.

THR ELEV 2896

NAUTICAL MILES FROM THR RWY 27



OCA(H)	Distance / Altitude information			
	A	B	C	D
STRAIGHT-IN	3350(454)			
CIRCLING	3600(685)		3960(1045)	
	Ground Speed		Rate of Descent (5.24%)	
Kt		Ft/min		
80		425		
100		530		
120		635		
140		745		
160		850		
180		955		

DRG.NO. AAI/34-IALC/250226/04/06/2026

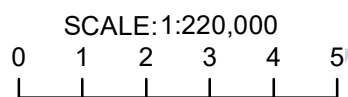
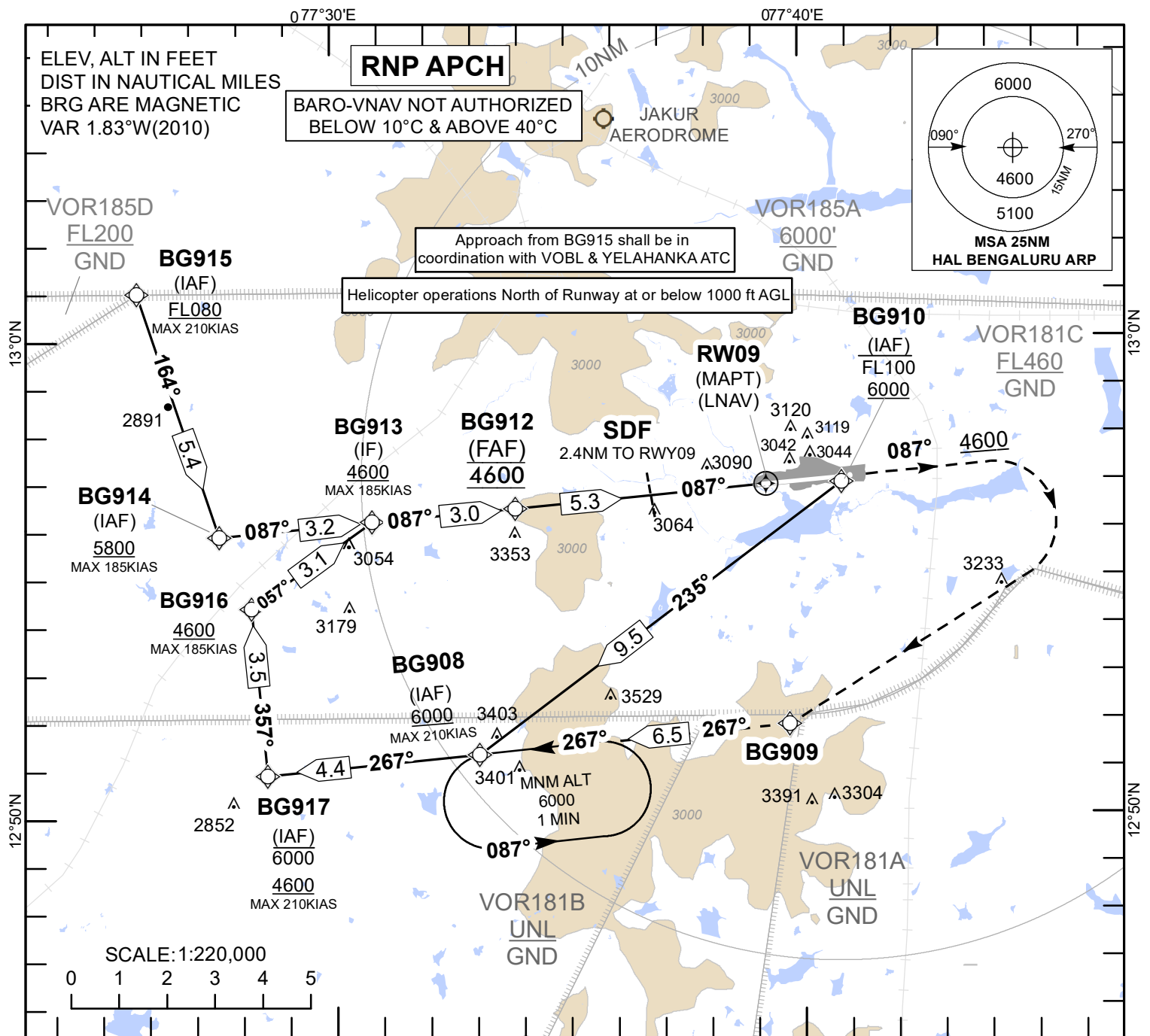
**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 2915 ft

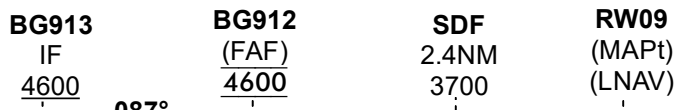
HEIGHTS RELATED TO
THR RWY 09 - ELEV 2877FT

APP 127.700
TWR 123.500

HAL BENGALURU (VOBG)
INDIA
RNP Y RWY 09



Transition Alt 7000



MISSED APPROACH
SPEED RESTRICTED TO 220 KIAS MAX
Climb straight ahead 4600ft, then climbing turn RIGHT proceed direct BG909 then proceed to join BG908 hold at or above 6000ft or as instructed by ATC

TCH 50
THR ELEV 2877

10 9 8 7 6 5 4 3 2 1 0 NAUTICAL MILES FROM THR RWY 09

OCA(H)	A	B	C	D	Distance / Altitude information							
					Distance to RWY09	NM	5.2(FAF)	5	4	3	2.4(SDF)	2
LNAV/VNAV	3215(338)	3222(345)	3231(354)		Distance to RWY09	NM	5.2(FAF)	5	4	3	2.4(SDF)	2
					Altitude	Ft	4600	4520	4210	3890	3700	3570
					Ground Speed & Rate of Descent information							
					Ground Speed	Kt	80	100	120	140	160	180
					Rate of Descent (5.24%)	Ft/min	425	530	635	745	850	955

DRG.NO. AAI/89-IALC/220526/18/06/2026

TABULAR DESCRIPTION: RNP Y RWY09 - VOBG

Serial Number	Path Descriptor	Waypoint Identifier	Fly-Over	Course °M(°T)	Distance (Nm)	Turn direction		Speed limit (Kts)	VPA/TCH (°/ft)	Navigation Specification
010	IF	BG915					+FL080	-210		RNP APCH
020	TF	BG914		163.50(161.67)	5.35		+5800	-185		RNP APCH
030	TF	BG913		86.71(84.88)	3.20		+4600	-185		RNP APCH
010	IF	BG917					-6000 +4600	-210		RNP APCH
020	TF	BG916		356.64(354.81)	3.50		+4600	-185		RNP APCH
030	TF	BG913		56.66(54.83)	3.10		+4600	-185		RNP APCH
010	IF	BG908					+6000	-210		RNP APCH
020	TF	BG917		266.61(264.78)	4.44		-6000 +4600	-210		RNP APCH
030	TF	BG916		356.64(354.81)	3.50		+4600	-185		RNP APCH
040	TF	BG913		56.66(54.83)	3.10		+4600	-185		RNP APCH
010	IF	BG910					-FL100 +6000			RNP APCH
020	TF	BG908		235.20(233.37)	9.46		+6000	-210		RNP APCH
030	TF	BG917		266.61(264.78)	4.44		-6000 +4600	-210		RNP APCH
040	TF	BG916		356.64(354.81)	3.50		+4600	-185		RNP APCH
050	TF	BG913		056.66(54.83)	3.10		+4600	-185		RNP APCH
010	IF	BG913					+4600	-185		RNP APCH
020	TF	BG912		086.68(84.85)	3.00		@4600			RNP APCH
030	TF	RW09	Y	086.67(84.84)	5.26		@2927		-3/50	RNP APCH
040	CA			086.67(84.84)			+4600	-220		RNP APCH
050	DF	BG909				R		-220		RNP APCH
060	TF	BG908		266.63(264.80)	6.49		+6000	-220		RNP APCH
070	HM	BG908	Y	266.61(264.78)	1 MIN	L	+6000	-230		RNP APCH

Waypoint List

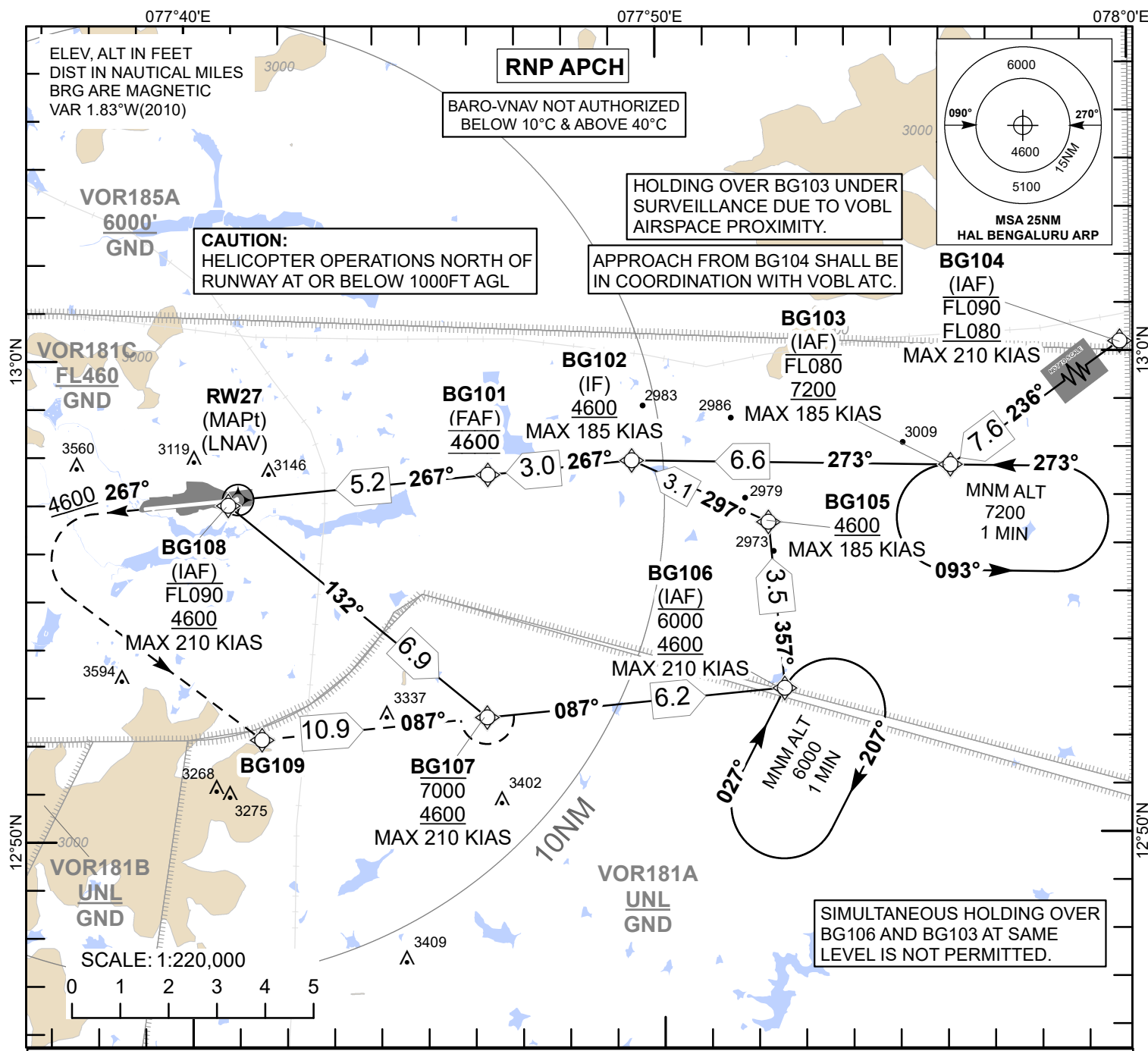
RNP Y RWY 09 - VOBG	
Waypoint Identifier	Coordinates
RW09	N 12:56:55.63E 77:39:14.31
BG908	N 12:51:17.73E 77:33:04.87
BG909	N 12:51:53.27E 77:39:42.05
BG910	N 12:56:57.87E 77:40:51.06
BG912	N 12:56:27.19E 77:33:52.85
BG913	N 12:56:10.97E 77:30:49.27
BG914	N 12:55:53.79E 77:27:33.44
BG915	N 13:01:00.00E 77:25:50.00
BG916	N 12:54:23.37E 77:28:13.57
BG917	N 12:50:53.31E 77:28:33.02

**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 2915 FT
HEIGHTS RELATED TO
THR RWY 27 - ELEV 2896 FT

APP 127.700
TWR 123.500

HAL BENGALURU (VOBG)
INDIA
RNP Y RWY 27



Transition Alt 7000

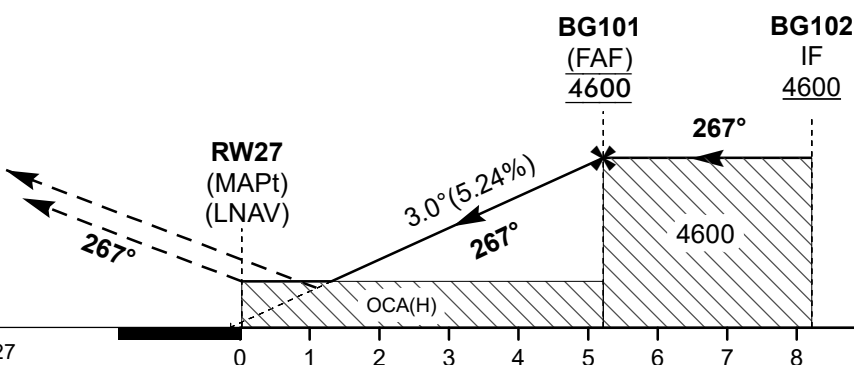
MISSED APPROACH

SPEED RESTRICTED TO 220 KIAS MAX

Climb straight ahead 4600 ft, then climbing turn left proceed direct BG109 then proceed to join BG106 hold at 6000 ft or as instructed by ATC

TCH 50

THR ELEV 2896



OCA(H)				Distance / Altitude information								
	A	B	C	D	Distance to RW27	NM	5.2(FAF)	5	4	3	2	
LNAV/VNAV	3265(369)	3271(375)	3280(384)		Altitude	Ft	4600	4540	4220	3910	3590	
LNAV				Ground Speed & Rate of Descent information								
	3360(464)				Ground Speed	Kt	80	100	120	140	160	180
					Rate of Descent (5.24%)	Ft/min	425	530	635	745	850	955

DRG.NO. AAI/49-IALC/200526/05/06/2026

TABULAR DESCRIPTION – RNP Y RWY 27

Serial Number	Path Descriptor	Waypoint Identifier	Fly-Over	Course °M(°T)	Distance (Nm)	Turn direction	Altitude (ft)	Speed limit (Kts)	VPA/ TCH (° / ft)	Navigation Specification
010	IF	BG104					-FL090 +FL080	-210		RNP APCH
020	TF	BG103		236.24(234.41)	7.57		- FL080 +7200	-185		RNP APCH
030	TF	BG102		273.22(271.39)	6.59		+4600	-185		RNP APCH
010	TF	BG103					- FL080 +7200	-185		RNP APCH
020	TF	BG102		273.22(271.39)	6.59		+4600	-185		RNP APCH
010	IF	BG106					-6000 +4600	-210		RNP APCH
020	TF	BG105		356.74(354.91)	3.45		+4600	-185		RNP APCH
030	TF	BG102		296.72(294.89)	3.10		+4600	-185		RNP APCH
010	IF	BG108					-FL090 +4600	-210		RNP APCH
020	TF	BG107		131.69(129.86)	6.92		-7000 +4600	-210		RNP APCH
030	TF	BG106		086.71(084.88)	6.20		-6000 +4600	-210		RNP APCH
040	TF	BG105		356.74(354.91)	3.45		+4600	-185		RNP APCH
050	TF	BG102		296.72(294.89)	3.10		+4600	-185		RNP APCH
010	IF	BG102					+4600	-185		RNP APCH
020	TF	BG101		266.71(264.88)	3.00		@4600			
030	TF	RW27	Y	266.71(264.88)	5.19		@2946		-3 / 50	RNP APCH
040	CA			266.71(264.88)			+4600	-220		
050	DF	BG109				L		-220		RNP APCH
060	TF	BG106		086.70(084.87)	10.88		+6000	-220		RNP APCH
070	HM	BG106	Y	027.00(025.17)	1 MIN	R	+6000	-230		RNP APCH
010	HM	BG103	Y	273.00(271.17)	1 MIN	L	+7200	-230		RNP APCH

WAYPOINT LIST

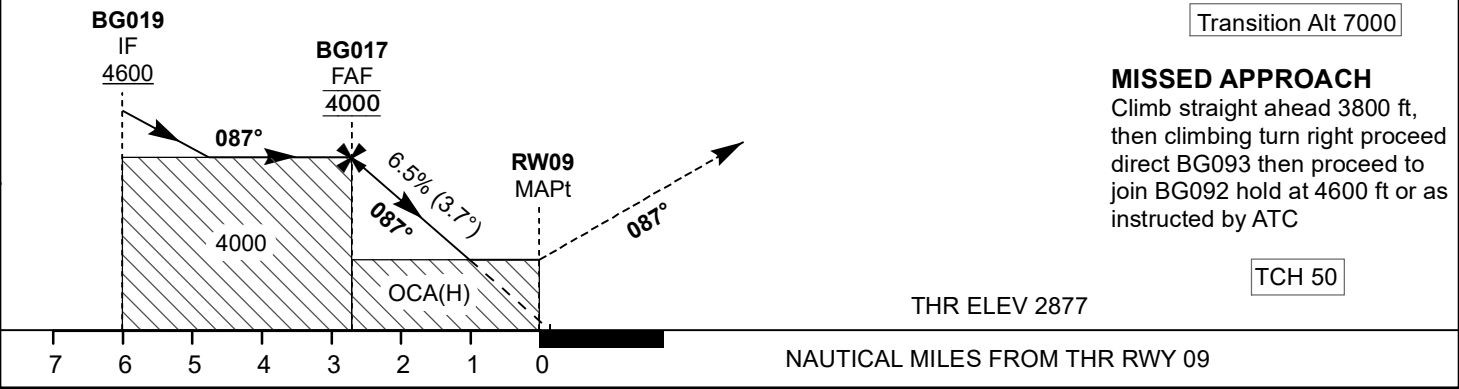
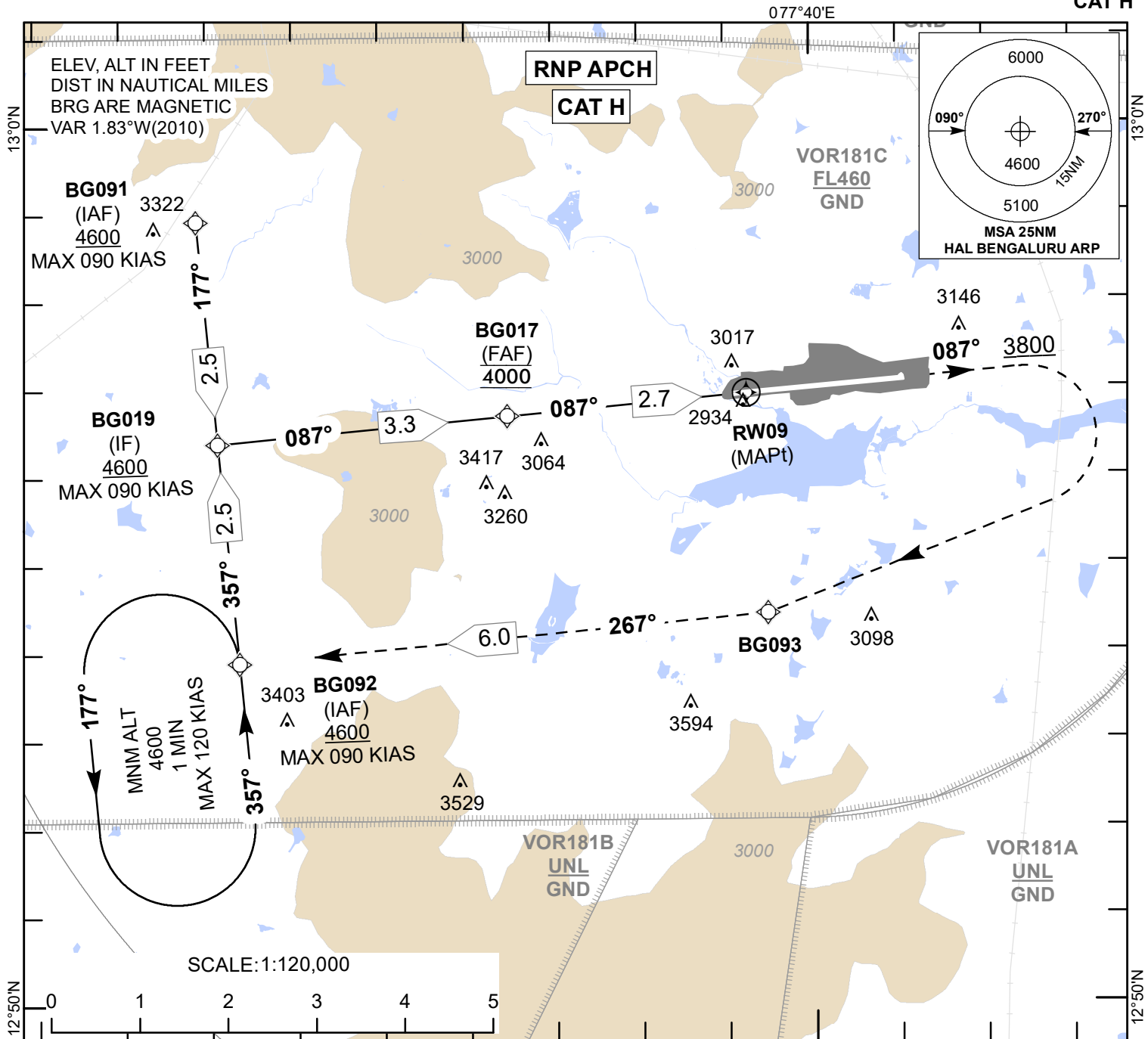
RNP Y RWY 27	
Waypoint Identifier	Coordinates
RW27	N 12:57:05.26E 77:41:03.55
BG101	N 12:57:33.23E 77:46:21.45
BG102	N 12:57:49.37E 77:49:25.05
BG103	N 12:57:39.83E 77:56:09.88
BG104	N 13:02:05.40E 78:02:28.10
BG105	N 12:56:30.75E 77:52:17.84
BG106	N 12:53:03.58E 77:52:36.67
BG107	N 12:52:30.35E 77:46:17.53
BG108	N 12:56:57.87E 77:40:51.06
BG109	N 12:52:05.14E 77:41:31.05

**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 2915 ft
HEIGHTS RELATED TO
THR RWY 09 - ELEV 2877 ft

APP 127.700
TWR 123.500

HAL BENGALURU (VOBG)
INDIA
RNP X RWY 09
CAT H



OCA(H)	CAT H	Distance / Altitude information						
		Distance to RW09	NM	Altitude	Ft			
LNAV	3320(443)	2.7(FAF)	2	3720	3330			
		Ground Speed & Rate of Descent information						
		Ground Speed	Kt	50	60	70	80	90
		Rate of Descent (6.5%)	Ft/min	330	395	460	525	590

DRG.NO. AAI/90-IALC/130526/23/06/2026

TABULAR DESCRIPTION RNP X RWY 09 VOBG:-

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Distance/Time	Turn Direction	Altitude	Speed Limit	VPA/TCH	Navigation Specification
					NM/Min		(ft)	(Kt)	(°ft)	
010	IF	BG091					+4600	-90.00		RNP APCH
020	TF	BG019		176.68°(174.85°)	2.53		+4600	-90.00		RNP APCH
010	IF	BG092					+4600	-90.00		RNP APCH
020	TF	BG019		356.68°(354.85°)	2.50		+4600	-90.00		RNP APCH
010	IF	BG019					+4600	-90.00		RNP APCH
020	TF	BG017		86.68°(84.85°)	3.30		@4000			RNP APCH
030	TF	RW09	Y	86.68°(84.85°)	2.72		@2927		-3.72/50.0	RNP APCH
040	CA			86.69°(84.86°)			+3800			RNP APCH
050	DF	BG093				R				RNP APCH
060	TF	BG092		266.70°(264.87°)	6.02		+4600			RNP APCH
070	HM	BG092	Y	356.68°(354.85°)	1MIN	L	+4600	-120.00		RNP APCH

WAYPOINT LIST :-

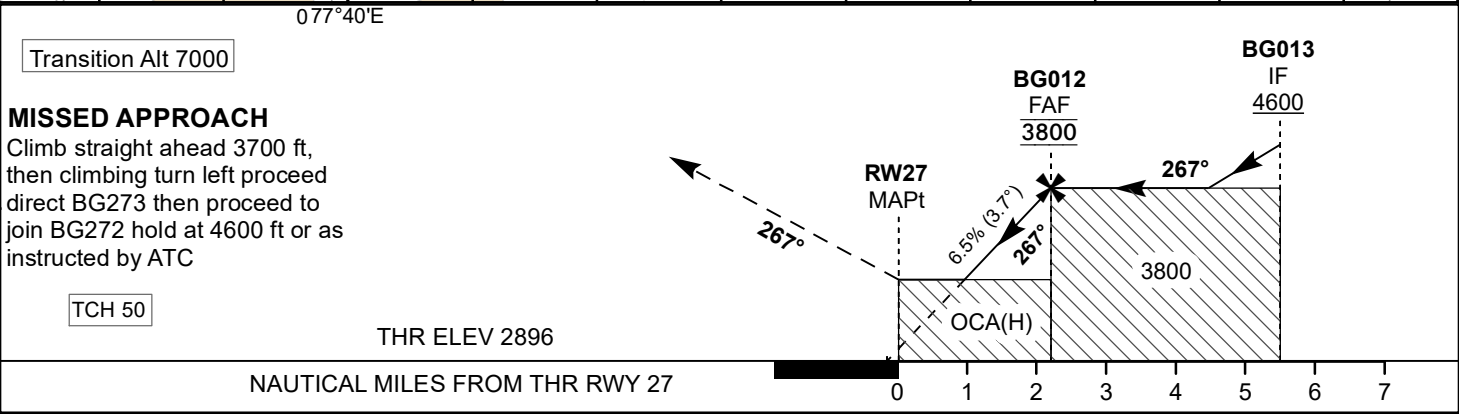
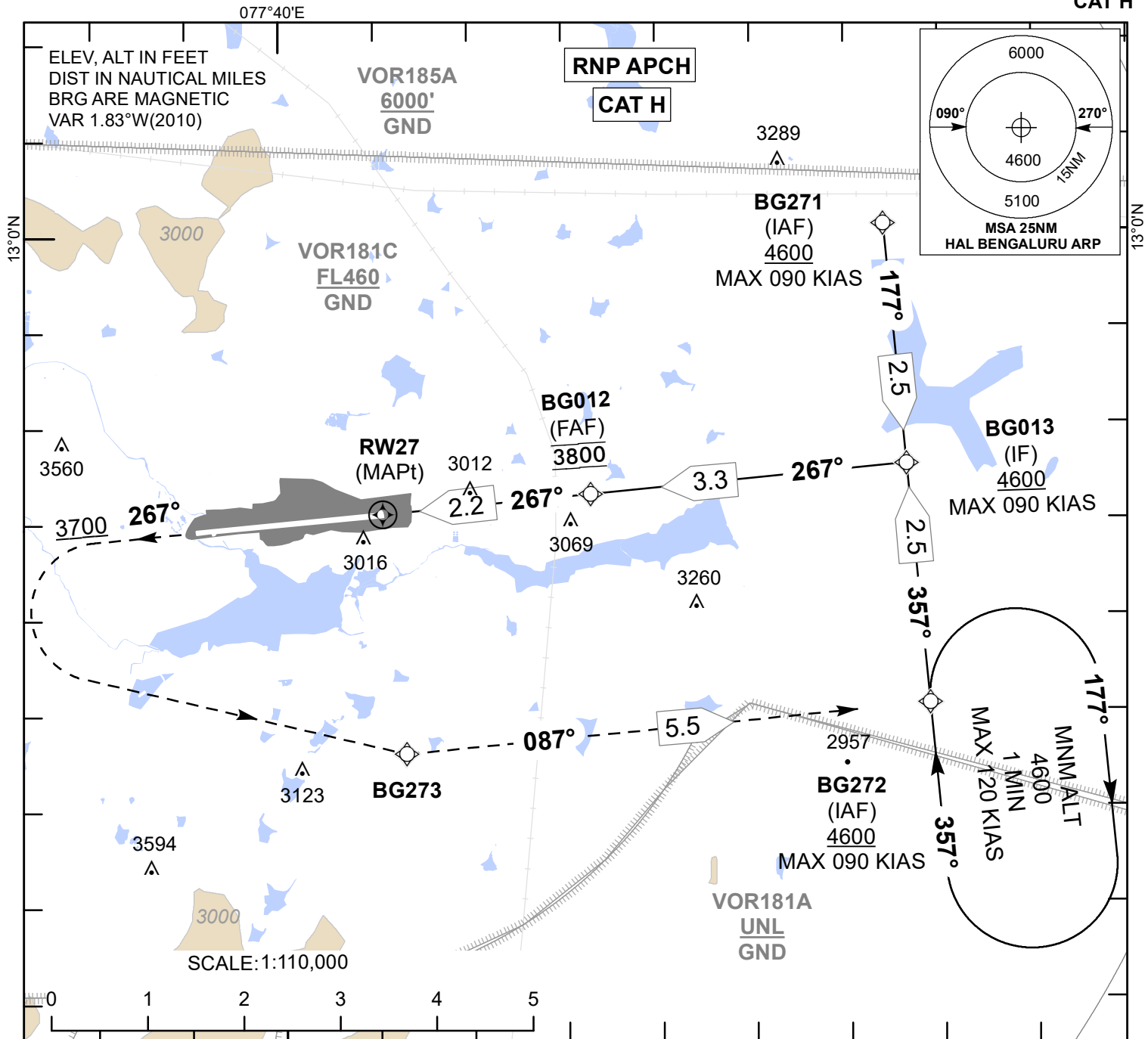
Waypoint Identifier	Coordinates
BG019	N 12:56:23.14E 77:33:06.13
BG017	N 12:56:40.94E 77:36:28.07
RW09	N 12:56:55.63E 77:39:14.31
BG093	N 12:54:25.51E 77:39:28.09
BG092	N 12:53:53.01E 77:33:19.92
BG091	N 12:58:54.76E 77:32:52.21

**INSTRUMENT
APPROACH
CHART**

AERODROME ELEV 2915 ft
HEIGHTS RELATED TO
THR RWY 27 - ELEV 2896 ft

APP 127.700
TWR 123.500

HAL BENGALURU (VOBG)
INDIA
RNP X RWY 27
CAT H



OCA(H)		Distance / Altitude information						
LNAV	CAT H	Distance to RW27	NM	2.2(FAF)	2	1		
		Altitude	Ft	3800	3740	3350		
		Ground Speed & Rate of Descent information						
		Ground Speed	Kt	50	60	70	80	90
		Rate of Descent (6.5%)	Ft/min	330	395	460	525	590

DRG.NO. AAI/91-IALC/130526/23/06/2026

TABULAR DESCRIPTION RNP X RWY 27 VOBG:-

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Distance/ Time	Turn Direction	Altitude	Speed Limit	VPA/TCH	Navigation Specification
					NM/Min		(ft)	(Kt)	(°ft)	
010	IF	BG272					+4600	-90.00		RNP APCH
020	TF	BG013		356.68° Mag / 354.85° True	2.50		+4600	-90.00		RNP APCH
010	IF	BG271					+4600	-90.00		RNP APCH
020	TF	BG013		176.68° Mag / 174.85° True	2.50		+4600	-90.00		RNP APCH
010	IF	BG013					+4600	-90.00		RNP APCH
020	TF	BG012		266.68° Mag / 264.85° True	3.30		@3800			RNP APCH
030	TF	RW27	Y	266.70° Mag / 264.87° True	2.16		@2946		-3.72/50.0	RNP APCH
040	CA			266.69° Mag / 264.86° True			+3700			RNP APCH
050	DF	BG273				L				RNP APCH
060	TF	BG272		86.68° Mag / 84.85° True	5.46		+4600			RNP APCH
070	HM	BG272	Y	356.68° Mag / 354.85° True	1MIN	R	+4600	-120.00		RNP APCH

WAYPOINT LIST :-

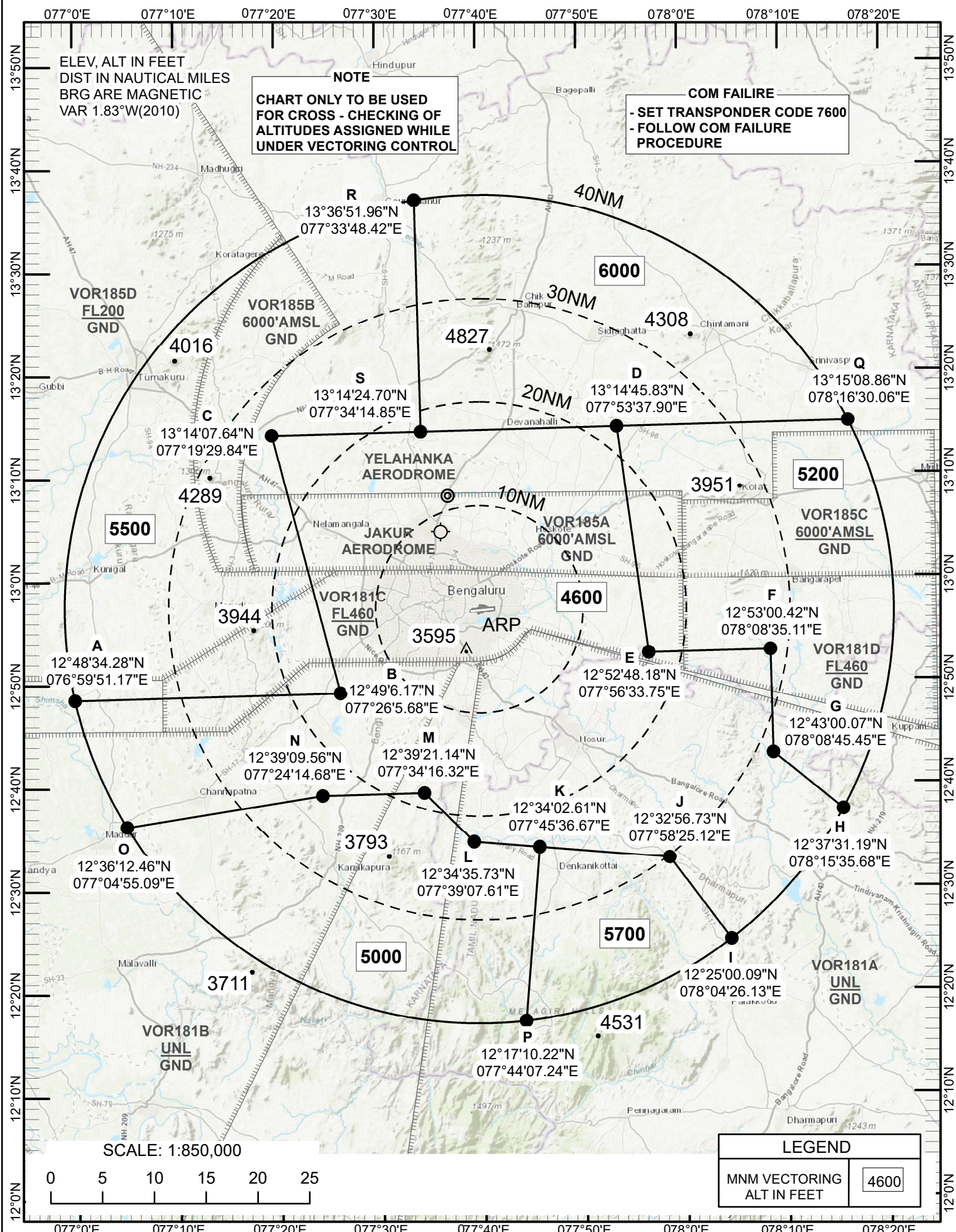
Waypoint Identifier	Coordinates
BG013	N 12:57:34.80E 77:46:37.87
BG012	N 12:57:16.92E 77:43:15.92
RW27	N 12:57:05.26E 77:41:03.55
BG273	N 12:54:35.16E 77:41:17.33
BG272	N 12:55:04.65E 77:46:51.67
BG271	N 13:00:04.76E 77:46:24.09

**ATC SURVEILLANCE
MINIMUM ALTITUDE CHART**

**AERODROME ELEV 2915 ft
TRANSITION ALT 7000 ft**

APP 127.700
TWR 123.500

HAL BENGALURU (VOBG)
INDIA



DRG.NO. AAI/41-IALC/050526/19/05/2026