AD 2. AERODROMES

VOCI AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VOCI - COCHIN / INTL

VOCI AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	Aerodrome reference point coordinates and its site	100913N 0762426E 48M North of Taxiway C and 590M East of TWY H	
2	Direction and distance of aerodrome reference point from the center of the city or town which the aerodrome serves	045 DEG, 28KM from Cochin South Railway Station	
3	Aerodrome elevation and reference temperature	30 FT / 29.6 DEG C	
4	Magnetic variation, date of information and annual change	2.00 DEG W (2010) /0.0583 DEG E	
5	Name of aerodrome operator, address, telephone, telefax, e-mail address, AFS address, website (if available)	Managing Director Cochin International Airport Limited, (CIAL), Kochi Airport P.O, Cochin – 683111 Kerala, India,	
		Telephone:	+91-484-2610125, +91-484-2610115
		Fax:	+91-484-2610009
		AFS:	VOCIYOYX
		Email:	md@cial.aero
6	Types of traffic permitted (IFR/VFR)	IFR/VFR	
7	Remarks	Website: www.cial.aero	

VOCI AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	MON-SAT 0330-1200 UTC (0900-1730 IST) 2nd and 4th SAT holiday
2	Custom and immigration	H24
3	Health and sanitation	Available
4	AIS briefing office	H24
5	ATS reporting office (ARO)	H24
6	MET Briefing office	H24
7	Air Traffic Service	H24
8	Fuelling	H24
9	Handling	H24
10	Security	H24
11	De-icing	Not applicable
12	Remarks	NIL

VOCI AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Cargo Terminal Management-CIAL Handling Capacity: International-350MT per day Domestic -60 MT per day.
2	Fuel and Oil types	JET A1
3	Fuelling facilities and capacity	Hydrant Fuelling System, 4000 lpm Fuel Service Providers – BPCL, IOCL, HPCL Bowser fuelling capacity BPCL – 12KL/ IOCL – 11KL
4	De-icing facilities	Not Available
5	Hangar space for visiting aircraft	Code C - 2 Nos.

6	Repair facilities for visiting aircraft	Transit Checks, Layover inspection and Daily checks for A320 & A330 series.
7	Remarks	Ground handling provided by Air India Ltd and BWFS

VOCI AD 2.5 PASSENGER FACILITIES

1	Hotel(s) at or in the vicinity of aerodrome	Near the AD and in the city
2	Restaurant(s) at or in the vicinity of aerodrome	At AD and in the city
3	Transportation possibilities	Buses, Pre-paid taxis and car hire from the AD. Two Railway stations at 3&5 KM distance
4	Medical Facilities	First Aid at AD, Hospitals at 5KM and in city.
5	Bank and post office at or in the vicinity of aerodrome	Banks: At AD. Post office: At AD.
6	Tourist office	At AD: +91-484-2611308/9, City Office: +91-484-2353234
7	Remarks	NIL

VOCI AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	Aerodrome category for fire fighting	Within ATS HR: CAT-9
2	Rescue equipment	Available
3	Capability for removal of disabled aircraft	Recovery kit available including Aircraft Recovery Trailer and Dolly for Code C aircraft.
4	Remarks	NIL

VOCI AD 2.7 SEASONAL AVAILABILITY CLEARING

1	Type(s) of clearing equipment	Sweeping machine available
2	Clearance priorities	Runway 09/27 and associated taxiways
3	Remarks	No snow fall

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

1	Designation, surface and strength of aprons	Refer AD2.23 & Aircraft Parking/Docking Chart
2	Designation, width, surface and strength of taxiways	Refer AD 2.23
3	Location and elevation of altimeter checkpoints	Location Elevation Apron 1 26FT Apron 2 28FT Apron 4 28FT Apron 5 26FT Apron 7 26FT
4	Location of VOR checkpoints	On TWY ‘C2 087 DEG, 1.2 NM
5	Position of INS checkpoints	

6	Remarks	1.TWY C2. Location: 2680M from beginning RWY27, North of RWY 09/27. 2.TWYC3 Location: 2128M from beginning RWY27, North of RWY 09/27, Rapid Exit Taxiway 3.TWY C4 Location: 1550M from beginning RWY27, North of RWY 09/27 4.TWY H-Connecting TWY C and Hangar Apron. 5.Hanger Apron Area-31,344Sq m. 6.Aprons 1, 2 and 4 are power-in push back. 7.Apron 5 - Power in and Tow/Power out. Power out from stands for aircraft up to Code B only. 8.Apron 7 - Power in. Power Out from stands permitted after manual repositioning.

VOCI 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	1. Stand Numbers, Apron guidelines, Taxiway guidelines marked. 2. Taxing guidance signs at all intersections with TWY &RWY and at all Holding Position provided. 3. A-VDGS provided for stand nos. 2 to 6, 19-23R
2	Runway and taxiway markings and lights	RWY Markings: Designation, THR, TDZ, Centreline, Aiming Point, Side stripe, Ends. Lights: Edge, THR, END & Centreline. TWY Marking: Edge, Centreline, RWY holding position, Intermediate Holding Positions. Lights: Edge: C1, C2, C3, C4,C5, A, B, C, D, E, H & H1 Centreline: F, G, J, Apron 2 Taxilane, Taxi Lanes L, N &N1. Signage – Lighted
3	Stop bars (if any)	Not available.
4	Remarks	1.Taxi guidelines to and from stand provided. 2. Follow me jeep provided when required. 3. Turning at RWY 27 & 09 Turn pads permitted for aircraft upto Code C only.

VOCI AD 2.10 AERODROME OBSTACLES

NIL

VOCI AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Name of the associated meteorological office	Cochin Airport MET office.
2	Hours of service and, where applicable, the designation of the responsible meteorological office outside these hours	H-24
3	Office responsible for preparation of TAFs and periods of validity and interval of issuance of the forecasts	Thiruvananthapuram (VOTV) 9 & 24 HRS

4	Availability of the trend forecast for the aerodrome and interval of issuance	METAR with TREND forecast provided 30Min
5	Information on how briefing and/or consultation is provided	Personal ConsultationChart form of documentation received from RAFC / MO Chennai and ROFOR for M.O Trivandrum provided
6	Types of flight documentation supplied and language(s) used in flight documentation	ChartsAbbreviated Plain language English
7	Charts and other information displayed or available for briefing or consultation	TAFs and CW reports of VOCI and other airports provided H24.
8	Supplementary equipment available for providing information on meteorological conditions, e.g. weather radar and receiver for satellite images;	Fax, Phone, Internet.
9	The air traffic services unit(s) provided with meteorological information	VOCI ATC/COM/MET Briefing/Cochin TWR/Cochin APP Units
10	Additional information, e.g. concerning any limitation of service.	Manual RVR being provided. Digital Wind Direction and Speed Indicating Eqpt commissioned at RWY09. Digital Wind Direction and Speed Indicating Eqpt available for RWY27. Digital CWIS for RWY 27 provided at all ATC units and DWIE for RWY 09 available at Tower only. Limitation of Service: AVRA not available Manual RVR being provided on requirement basis.

VOCI 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	87.64 DEG	3400 x 45 M	60/F/B/W/T Asphalt	THR: 100901.97N 0762306.00E
27	267.64 DEG	3400 x 45 M	60/F/B/W/T Asphalt	THR: 100906.06N 0762457.67E

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: 28.0FT TDZ:	0.07%	NIL	NIL	3520 x 300 M
THR: 30.0FT TDZ:	0.06%	NIL	NIL	3520 x 300 M

Dimensions of runway end safety areas	Location and description of arresting system (if any)	Existence of an obstacle-free zone	Remarks.
11	12	13	14
90M x 240M		AVBL	NIL
90M x 240M		AVBL	NIL

VOCI 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	3400	3400	3400	3400	
27	3400	3400	3400	3400	

VOCI 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 LIH	Green	PAPI LEFT/3.00 DEG MEHT (66.04FT)	
27	CAT I 900 M LIH	Green	PAPI LEFT/3.00 DEG MEHT (66.66FT)	

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
3400 M 30 M LIH White	3400 M 60 M White LIH	Red		NIL
3400 M 30 M LIH White	3400 M 60 M White LIH	Red		NIL

VOCI AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	Location, characteristics and hours of operation of aerodrome beacon/identification beacon (if any)	ABN	At Tower building H-24 RPM 15 per minute
		IBN	NIL

2	Location and lighting (if any) of anemometer/ landing direction indicator;	LDI	Located at 1950M from RWY09 THR and 100M North of RWY Centreline, lighted.
		Anemometer	300M from THR 09 & 27; 120M South of Central Line
3	Taxiway edge and taxiway centre line lights;	Edge	C1, C2, C3, C4, C5, A, B, C, D, E, H & H1, Joining portion of TWY F & G with TWY C - Elevated Blue lights.
		Centre Line	TWY - F, G, J Apron 2 Taxi lane, Taxi Lanes L, N & N1 Inset bidirectional Green lights
4	Secondary power supply including switch-over time;	Secondary power supply to all lighting at AD. Switch over time - 15sec.	
5	Remarks	Runway Guard Lights Available at C5 WDI: Illuminated WDI at RWY 09 &27.Non-illuminated WDI at Fire Station Approach Road.	

VOCI 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	No separate landing area for Helicopters
2	TLOF and/or FATO area elevation:	Not applicable
3	TLOF and FATO area dimensions to the nearest metre or foot, surface type, bearing strength and marking;	Not applicable
4	True bearings of FATO;	Not applicable
5	Declared distances available	Not applicable
6	Approach and FATO lighting;	Not applicable
7	Remarks	Helicopters to land on Runway 09/27

VOCI AD 2.17 AIR TRAFFIC SERVICE AIRSPACE

1	Airspace designation, geographical coordinates and lateral limits	CTR: Area bounded by a circle of radius 25NM around Cochin VOR CIA excluding the portion of restricted areas VOR 191A & VOR 191B
2	Vertical limits	5500 FT
3	Airspace classification	D
4	Call sign and language(s) of the air traffic services unit providing service;	Cochin Tower / Cochin Approach Cochin Radar, English
5	Transition altitude	11000 FT
6	Hours of applicability	H24
7	Remarks	NIL

VOCI AD 2.18 AIR TRAFFIC SERVICES COMMUNICATION FACILITIES

Service Designation	Call sign	Channel(s)	SATVOICE Number(s), if available	Logon address, as appropriate	Hours of operation	Remarks
1	2	3	4	5	6	7
ACS	Cochin Control	126.100 MHZ				NIL
ACS	Cochin Control	128.300 MHZ			H24	(Main) Emergency frequency 121.50 MHz with TWR, APP, SMC and ACC
ACS	Cochin Control	133.150 MHZ			H24	(Standby) Emergency frequency 121.50 MHz with TWR, APP, SMC and ACC
APP	Cochin Approach Cochin Radar	119.750 MHZ			H24	Emergency frequency 121.50 MHz with TWR, APP, SMC and ACC
TWR	Cochin Tower	118.800 MHZ			H24	Emergency frequency 121.50 MHz with TWR, APP, SMC and ACC
ATIS	Cochin Information	126.200 MHZ			H24	Emergency frequency 121.50 MHz with TWR, APP, SMC and ACC
SMC	Cochin Ground	121.750 MHZ			H24	.Emergency frequency 121.50 MHz with TWR, APP, SMC and ACC

VOCI 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	ICIL	110.300 MHz	H24
LOC 09	ICNB	111.100 MHz	H24
GP 27	ICIL	335.000 MHz	H24
GP 09	---	331.700 MHz	H24
DME ILS 27	ICIL	CH72X	H24
DME ILS 09	ICNB	CH48X	H24
DVOR/DME	CIA	113.500 MHz CH82X	H24

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;
DVOR/DME	CIB	117.300 MHz CH120X	H24

Geographical coordinates of the position of the transmitting antenna	Elevation of transmitting antenna of DME/ elevation of GBAS reference point	Service volume radius from the GBAS reference point	Remarks
5	6	7	8
100900.8N 0762253.3E			
100906.4N 0762508.0E			
100901.7N 0762447.3E			
100858.4N 0762317.7E			
100901.8N 0762447.3E	40 FT		Low power
100858.4N 0762317.7E	42 FT		Low power
100901.8N 0762221.3E	46 FT		
100700.8N 0764050.1E	47 m AMSL		

VOCI AD 2.20 LOCAL AERODROME REGULATIONS

i.The point where the Rapid Exit TWY C3 meets the parallel TWY C is declared as Hot spot.
ii.An aircraft vacating RWY via C3 is not simultaneously clear off RWY and parallel TWY C.
iii.Aircraft upto category C, vacating RWY via C4 is simultaneously clear off RWY and parallel TWY C.
iv.An aircraft vacating RWY via C3 can continue Taxi to turn left on parallel TWY C and wait for further instructions.
v.Aircraft not permitted to enter C3 from parallel TWY C.
vi.Simultaneous use of TWY E and TWY C3 is permitted.
vii.When arrivals are using rapid exit TWY C3, departure from the western bays of the apron will be holding on taxi holding points on TWY A/B and hence subject to taxi delays

VOCI AD 2.21 NOISE ABATEMENT PROCEDURES

Consistent with safety of aircraft operations and in consideration of high intensity runway operations, pilots should minimise the use of reverse thrust after landing to reduce disturbance in areas adjacent to the aerodrome.

VOCI AD 2.22 FLIGHT PROCEDURES

COCHIN INTERNATIONAL AIRPORT - STANDARD INSTRUMENT DEPARTURE PROCEDURE
(1)FACTORS COMMON TO ALL SIDs ARE AS FOLLOWS: -

i.All radials and DME distance are those of CIA VOR unless otherwise specified.
ii.ATC at its discretion may specify alternate routings if considered necessary due to traffic
iii.Aircraft shall intercept appropriate radials within 10NM. (D) If unable to comply with SIDs, inform ATC

(2)SIDs FOR RWY 27

Route Designator	SID Designator	Routing After Departure	Remarks
W15	CALICUT-1	Turn right at or before 4 DME to intercept R-340 at Calicut.	
W118	COIMBATORE-1	Turn right at or before 4 DME, intercept R-040 to COIMBATORE (CCB). Cross 10 DME 5000 Ft or above.	
W46	ARONA-1	Turn left at 3000FT to intercept R-115 to ARONA.	Not available when VOD 172(A) active.
W46	ARONA-3	Turn right at or before 4 DME for CIA VOR intercept R-115 to ARONA.	
W91	TUMLA-1	Turn left at 3000FT to intercept R-140 to TUMLA	Not available when VOD 172(A) active.
W91	TUMLA-3	Turn right at or before 4 DME for CIA VOR intercept R-140 to TUMLA.	

3. SIDs FOR RWY09

Route Designator	SID Designator	Routing After Departure	Remarks
W15	CALICUT-2	Turn left at or before 6 DME, intercept R-340 at Calicut	Climb gradient minimum 5% until passing 1600FT.
W118	COIMBATORE-2	Turn left at or before 6 DME, intercept R-040 to COIMBATORE (CCB) cross 10 DME 5000 Ft or above.	Climb gradient minimum 5% until passing 1600FT.
W46	ARONA-2	Turn right to intercept R-115 to ARONA.	
W91	TUMLA-2	Turn right to intercept R-140 to TUMLA.	

VOCI AD 2.23 ADDITIONAL INFORMATION

1.New metallic antenna mast of 65 FT installed at MM site. Location 1009N07626E mast light installed on top.
2.Commissioning of ADS-B at Cochin Airport.
Facility-ADS-B
Freq-1090Mhz
Lat-10Deg 9Min 22.32Sec
Long-76Deg24Min 1.8Sec
3.Details of Taxiways

Taxiway, Width, Surface and Strength					
DESIGNATOR	**WIDTH**	**SURFACE**	**SHOULDER**	**STRENGTH**	**AIRCRAFT UPTO**
A	23M	Asphalt concrete	10.5M	60/F/B/W/T	Code E

B	23M	Asphalt concrete	10.5M	60/F/B/W/T	Code E
C	23M	Asphalt concrete	10.5M	60/F/B/W/T	Code E
C1	23M	Asphalt concrete	10.5M	60/F/B/W/T	Code E
C2	23M	Asphalt concrete	10.5M	60/F/B/W/T	Code E
C3	23M	Asphalt concrete	10.5M	60/F/B/W/**T**	Code E
C4	23M	Asphalt concrete	10.5M	60/F/B/W/**T**	Code E
C5	23M	Asphalt concrete	10.5M	60/F/B/W/T	Code E
D	23M	Asphalt concrete	10.5M	60/F/B/W/T	Code E
E	23M	Asphalt concrete	10.5M	60/F/B/W/**T**	Code E
H	23M	Asphalt concrete	10.5M	60/F/B/W/**T**	Code E
H1	10.5M	Asphalt concrete	12.0M	40/F/ B/W/T	Code B
F	23M	Cement Concrete	10.5M	80/R/B/W/U	Code E
G	23M	Cement Concrete	10.5M	80/R/B/W/U	Code E
J	23M	Cement Concrete	10.5M	80/R/B/W/U	Code E

4.Details of Taxilanes

DESIGNATOR	WIDTH	SURFACE	STRENGTH	AIRCRAFT UPTO
L	23M	Cement Concrete	80/R/B/W/U	Code E
N	23M	Cement Concrete	80/R/B/W/U	Code C
N1	22M	Cement Concrete	80/R/B/W/U	Code C

5.Details of Apron & Aircraft Stands

Apron 1				Elevation: 26 FT
Aircraft Stand No	**Surface**	**PCN**	**Coordinates**	**Suitability**
1	Cement Concrete	65 R/B/W/T	100915.95N 0762318.65E	Code E
2	Cement Concrete	65 R/B/W/T	100916.08N 0762322.17E	Code E
3	Cement Concrete	65 R/B/W/T	100916.18N 0762324.96E	Code E Except B777 & A346
4	Cement Concrete	65 R/B/W/T	100916.27N 0762327.42E	Code E Except B772ER/LR & A346
5	Cement Concrete	65 R/B/W/T	100916.35N 0762329.63E	Upto A-300
6	Cement Concrete	65 R/B/W/T	100916.42N 0762331.42E	Upto A-300
7	Cement Concrete	65 R/B/W/T	100916.47N 0762332.95E	Code C
8	Cement Concrete	65 R/B/W/T	100916.52N 0762334.23E	Upto A-320

9	Cement Concrete	65 R/B/W/T	100916.56N 0762335.39E	Upto ATR72-500
10	Cement Concrete	65 R/B/W/T	100916.60N 0762336.54E	Code C
10A	Cement Concrete	35 R/B/W/T	100916.65N 0762337.65E	Upto DO-228
11	Cement Concrete	65 R/B/W/T	100916.68N 0762338.71E	Code C
12	Cement Concrete	65 R/B/W/T	100916.75N 0762340.60E	Code C
13	Cement Concrete	65 R/B/W/T	100916.82N 0762342.44E	Code C
14	Cement Concrete	65 R/B/W/T	100916.87N 0762343.87E	Code C
15	Cement Concrete	65 R/B/W/T	100916.97N 0762346.48E	Code C
16	Cement Concrete	65 R/B/W/T	100917.02N 0762347.91E	Code C

Aerobridge provided for Stands 2-6
A-VDGS available for stands 2 to 6
Hydrant fuelling facility is provided to stands 1-16 except 10A.
Push back & Taxi procedure:
4.1 Push back shall be given in the same direction with separation of 02 clear stands. Stand 10A is not considered for this clearance count.
4.2 Engine start up permitted upon completion of push back.

Apron 2				**Elevation:28 FT**
Aircraft Stand No.	**Surface**	**PCN**	**Coordinates**	**Suitability**
19	Cement Concrete	80/R/B/W/U	100924.56N0762342.51E	Code E
20	Cement Concrete	80/R/B/W/U	100924.65N 0762344.89E	Code E
21	Cement Concrete	80/R/B/W/U	100924.75N 0762347.68E	Code E
22L	Cement Concrete	80/R/B/W/U	100924.82N 0762349.59E	Code C
22	Cement Concrete	80/R/B/W/U	100924.84N 0762350.06E	Code E
22R	Cement Concrete	80/R/B/W/U	100924.85N 0762350.34E	Code C
23L	Cement Concrete	80/R/B/W/U	100924.93N 0762352.60E	Code C
23	Cement Concrete	80/R/B/W/U	100924.96N 0762353.21E	Code E
23R	Cement Concrete	80/R/B/W/U	100924.96N 0762353.43E	Code C

Aerobridge provided for all stands.
AVDGS available for all stands.
Hydrant fuelling facility provided for all stands.
Push back & Taxi procedure:
4.1 Push back shall be given in the same direction with separation of 02 clear stands.
4.2Aircraft pushing back facing West from stands 22 and 23 shall be towed upto Tug Disconnect Point East of TWY F
4.3Engine start up permitted upon completion of push back/tow.
4.4 Simultaneous push back not permitted from stands 22R and 23L.

Apron 4				**Elevation: 28 FT**
Aircraft Stand No	**Surface**	**PCN**	**Coordinates**	**Suitability**

35	Cement Concrete	80 R/B/W/U	100926.71N 0762401.78E	Code C
36	Cement Concrete	80 R/B/W/U	100925.39N 0762401.83E	Code C

Hydrant fuelling facility available in all stands.
Push back & Taxi procedure:
2.1 Aircraft pushed back shall be towed till Tug Disconnect Point before Engine start is carried out.

Apron 5				**Elevation: 26 FT**
Parking Stand No	**Surface**	**PCN**	**Coordinates**	**Suitability**
17	Cement Concrete	80 R/B/W/U	100917.25N 0762354.03E	Code C
18	Cement Concrete	80 R/B/W/U	100917.30N 0762355.38E	Code C

Hydrant fuelling facility available.
Taxi procedure:
2.1 Code C aircraft shall be towed forward till Tug Disconnect Point before engine start is carried out.
2.2Aircraft upto Code B may Power Out from stands.

Apron 7				**Elevation: 26 FT**	
Aircraft Stand No	**Surface**	**PCN**	**Coordinates**	**Aircraft suitability (upto wingspan)**	**Helicopter suitability (overall dimension/max rotor diameter)**
41	Cement Concrete	60/R/B/W/T	100913.20N0762409.92E	18M	18M/14.5M
42	Cement Concrete	60/R/B/W/T	100914.08N0762409.89E	18M	18M/14.5M
43	Cement Concrete	60/R/B/W/T	100914.96N0762409.85E	18M	18M/14.5M
44	Cement Concrete	60/R/B/W/T	100915.77N0762409.82E	14M	Not permitted

Stand Usage Procedure:
1.1All stands are Power In.
1.2 For Power out from stands, aircraft shall be repositioned manually, facing West.
1.3 Hover turns not permitted with adjacent stands occupied.

Isolation Parking Bay			Elevation: 26 FT	
Surface	PCN	Coordinates	Dimension	Suitability
Cement Concrete	65 R/B/W/T	100913.39N 0762306.00E	60m radius	Code E
Hangar Apron			Elevation: 29 FT	
Surface	PCN	Coordinates	Dimension	Suitability
Cement Concrete	65 R/B/W/U	100924.24N 0762406.47E	--	Code C

6. Radar Surveillance coverage provided in Cochin Lower Area Control (LCI) with surveillance sensor inputs from Mangalore, Thiruvananthapuram and Bangalore (BIA) Radars integrated in the ATS Automation System to enable the provision of Air Traffic Surveillance service for en route control. Hours of operation of LCI notified through 'A' Series Notam.

VOCI AD 2.24 CHARTS RELATED TO AN AERODROME

1.Aerodrome Chart
2.Aircraft Parking/Docking Chart
3.ILS (Z) Procedure RWY 27
4.ILS (Y) Procedure RWY 27
5.ILS (X) Procedure RWY 27
6.VOR Procedure RWY 09
7.VOR Procedure RWY 27
8.ATC Surveillance Minimum Altitude Chart

AERODROME CHART

* Datum: WGS 84

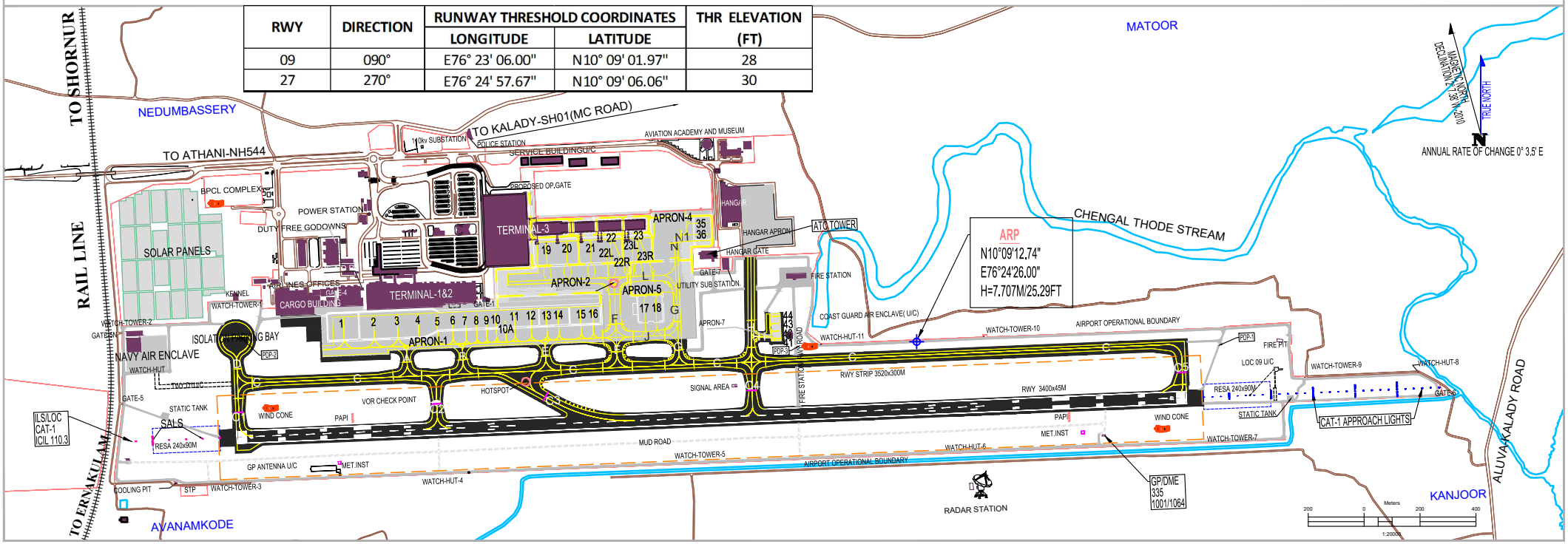
* DIMENSIONS ARE IN METERS AND ELEVATIONS ARE IN FEET

ARP - N10° 09' 12.74"
E76° 24' 26.00"

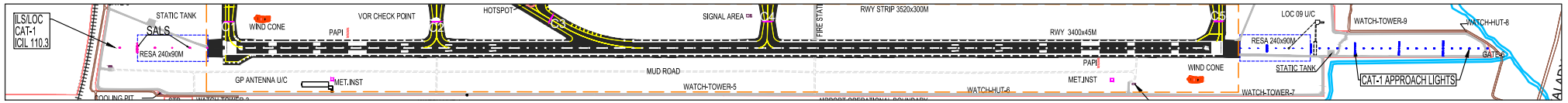
AD ELEV 30FT

KOCHI,KERALA,INDIA
COCHIN INTERNATIONAL AIRPORT

RWY	DIRECTION	RUNWAY THRESHOLD COORDINATES		THR ELEVATION
		LONGITUDE	LATITUDE	(FT)
09	090°	E76° 23' 06.00"	N10° 09' 01.97"	28
27	270°	E76° 24' 57.67"	N10° 09' 06.06"	30



MARKING AIDS RUNWAY 09/27



LEGEND:-

- ARP
- VOR CHECK POINT
- RWY HOLDING POINTS
- INTERMEDIATE HOLDING POINTS
- HOT SPOT
- PDP- PRE DETERMINED POINTS

Projection & Datum:-
UTM-WGS 1984 datum, Zone 43 North; Cent. Meridian 75d E

AIRCRAFT PARKING DOCKING CHART

KOCHI,KERALA,INDIA
COCHIN INTERNATIONAL AIRPORT

* Datum: UTM-WGS 1984 datum, Zone 43 North; Cent. Meridian 75d E
* Dimensions are in Meters and Elevations are in Feet

APRON-1 — ELEVATION=26FT

BAY NO:	LATITUDE	LONGITUDE	AIRCRAFT SUITABILITY	PCN
1	N10° 09' 15.95"	E76° 23' 18.65"	Code E	65 R/B/W/T
2	N10° 09' 16.08"	E76° 23' 22.17"	Code E	65 R/B/W/T
3	N10° 09' 16.18"	E76° 23' 24.96"	Code E except B777/A346	65 R/B/W/T
4	N10° 09' 16.27"	E76° 23' 27.42"	Code E except B772 ER/LR&A346	65 R/B/W/T
5	N10° 09' 16.35"	E76° 23' 29.63"	Upto A-300	65 R/B/W/T
6	N10° 09' 16.42"	E76° 23' 31.42"	Upto A-300	65 R/B/W/T
7	N10° 09' 16.47"	E76° 23' 32.95"	Code C	65 R/B/W/T
8	N10° 09' 16.52"	E76° 23' 34.23"	Upto A-320	65 R/B/W/T
9	N10° 09' 16.56"	E76° 23' 35.39"	Upto ATR72-500	65 R/B/W/T
10	N10° 09' 16.60"	E76° 23' 36.54"	Code C	65 R/B/W/T
10A	N10° 09' 16.65"	E76° 23' 37.65"	Upto D-228	35 R/B/W/T
11	N10° 09' 16.68"	E76° 23' 38.71"	Code C	65 R/B/W/T
12	N10° 09' 16.75"	E76° 23' 40.60"	Code C	65 R/B/W/T
13	N10° 09' 16.82"	E76° 23' 42.44"	Code C	65 R/B/W/T
14	N10° 09' 16.87"	E76° 23' 43.87"	Code C	65 R/B/W/T
15	N10° 09' 16.97"	E76° 23' 46.48"	Code C	65 R/B/W/T
16	N10° 09' 17.02"	E76° 23' 47.91"	Code C	65 R/B/W/T

APRON-2 — ELEVATION=28FT

BAY NO:	LATITUDE	LONGITUDE	AIRCRAFT SUITABILITY	PCN
19	N10° 09' 24.56"	E76° 23' 42.51"	Code E	80/R/B/W/U
20	N10° 09' 24.65"	E76° 23' 44.89"	Code E	80/R/B/W/U
21	N10° 09' 24.75"	E76° 23' 47.68"	Code E	80/R/B/W/U
22L	N10° 09' 24.82"	E76° 23' 49.59"	Code C	80/R/B/W/U
22	N10° 09' 24.84"	E76° 23' 50.06"	Code E	80/R/B/W/U
22R	N10° 09' 24.85"	E76° 23' 50.34"	Code C	80/R/B/W/U
23L	N10° 09' 24.93"	E76° 23' 52.60"	Code C	80/R/B/W/U
23	N10° 09' 24.96"	E76° 23' 53.21"	Code E	80/R/B/W/U
23R	N10° 09' 24.96"	E76° 23' 53.43"	Code C	80/R/B/W/U

ISOLATION PARKING BAY — ELEVATION=26FT

BAY NO:	LATITUDE	LONGITUDE	AIRCRAFT SUITABILITY	PCN
IPB	N10° 09' 13.39"	E76° 23' 06.00"	CODE E	65/R/B/W/T

APRON-4 — ELEVATION=28FT

BAY NO:	LATITUDE	LONGITUDE	AIRCRAFT SUITABILITY	PCN
35	N10° 09' 26.71"	E76° 24' 01.78"	Code C	80/R/B/W/U
36	N10° 09' 25.39"	E76° 24' 01.83"	Code C	80/R/B/W/U

APRON-5 — ELEVATION=26FT

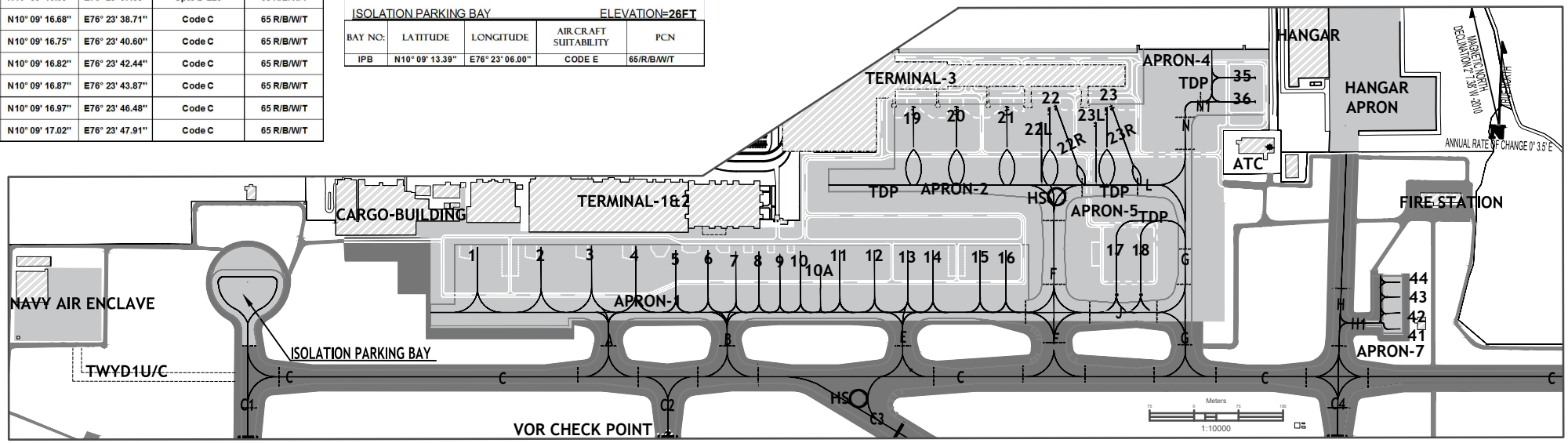
BAY NO:	LATITUDE	LONGITUDE	AIRCRAFT SUITABILITY	PCN
17	N10° 09' 17.25"	E76° 23' 54.03"	Code C	80/R/B/W/U
18	N10° 09' 17.30"	E76° 23' 55.38"	Code C	80/R/B/W/U

APRON-7 — ELEVATION=26FT

BAY NO:	LATITUDE	LONGITUDE	AIRCRAFT SUITABILITY (MAX. WING SPAN)	HELICOPTER SUITABILITY (OVERALL DIMENSION/MAX. ROTOR DIAMETER)	PCN
41	N10° 09' 13.20"	E76° 24' 09.92"	18m	18m/14.5m	60/R/B/W/T
42	N10° 09' 14.08"	E76° 24' 09.89"	18m	18m/14.5m	60/R/B/W/T
43	N10° 09' 14.96"	E76° 24' 09.85"	18m	18m/14.5m	60/R/B/W/T
44	N10° 09' 15.77"	E76° 24' 09.82"	14m	not permitted	60/R/B/W/T

HANGAR APRON — ELEVATION=29FT

BAY NO:	LATITUDE	LONGITUDE	AIRCRAFT SUITABILITY	PCN
HANGAR APRON	N10° 09' 24.24"	E76° 24' 06.47"	CODE C	65/R/B/W/U



LEGEND:-

INTERMEDIATE HOLDING POSITIONS
HOT SPOT — HS
TUG DISCONNECT POINTS — TDP

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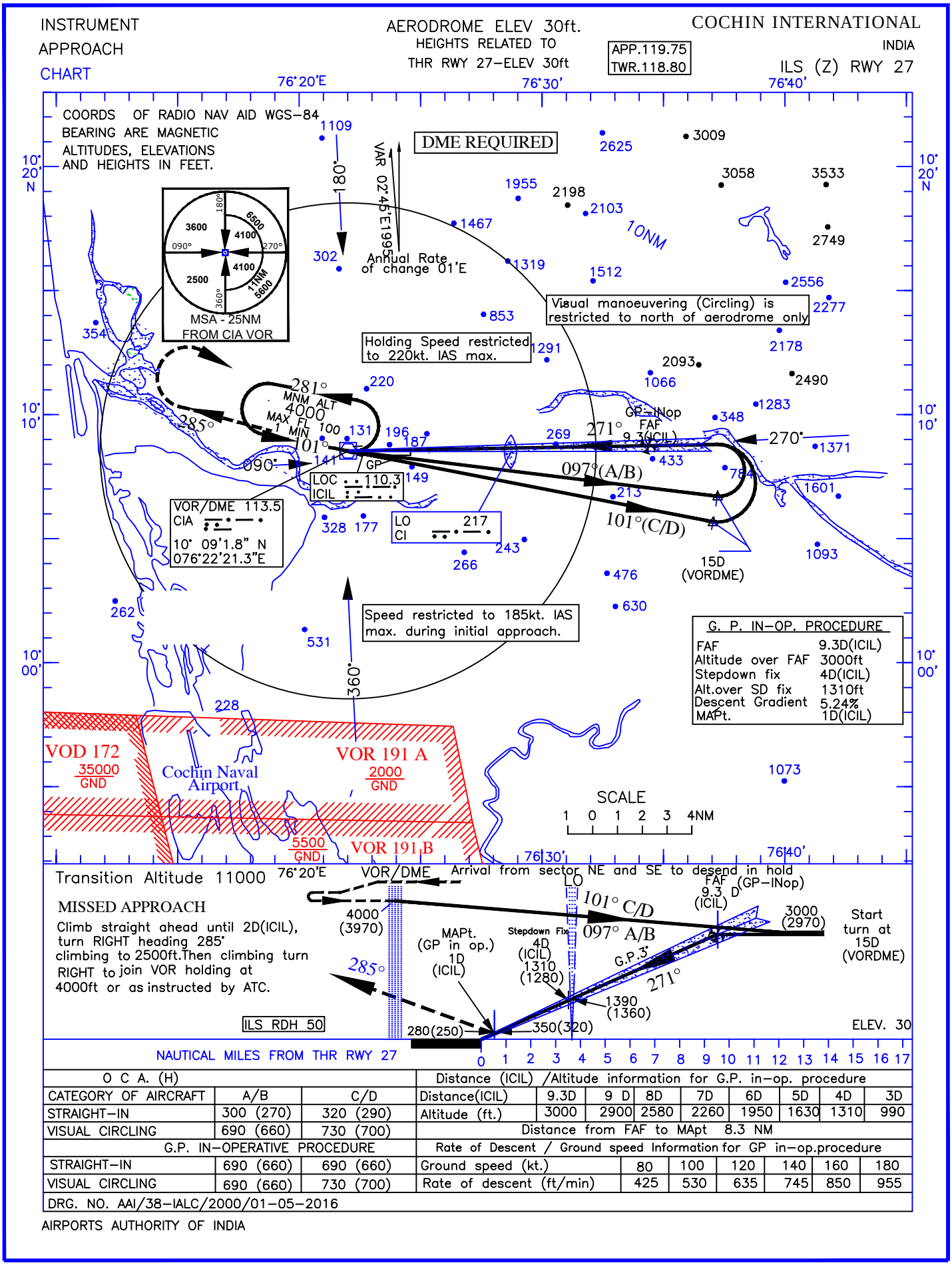
cochin international airport

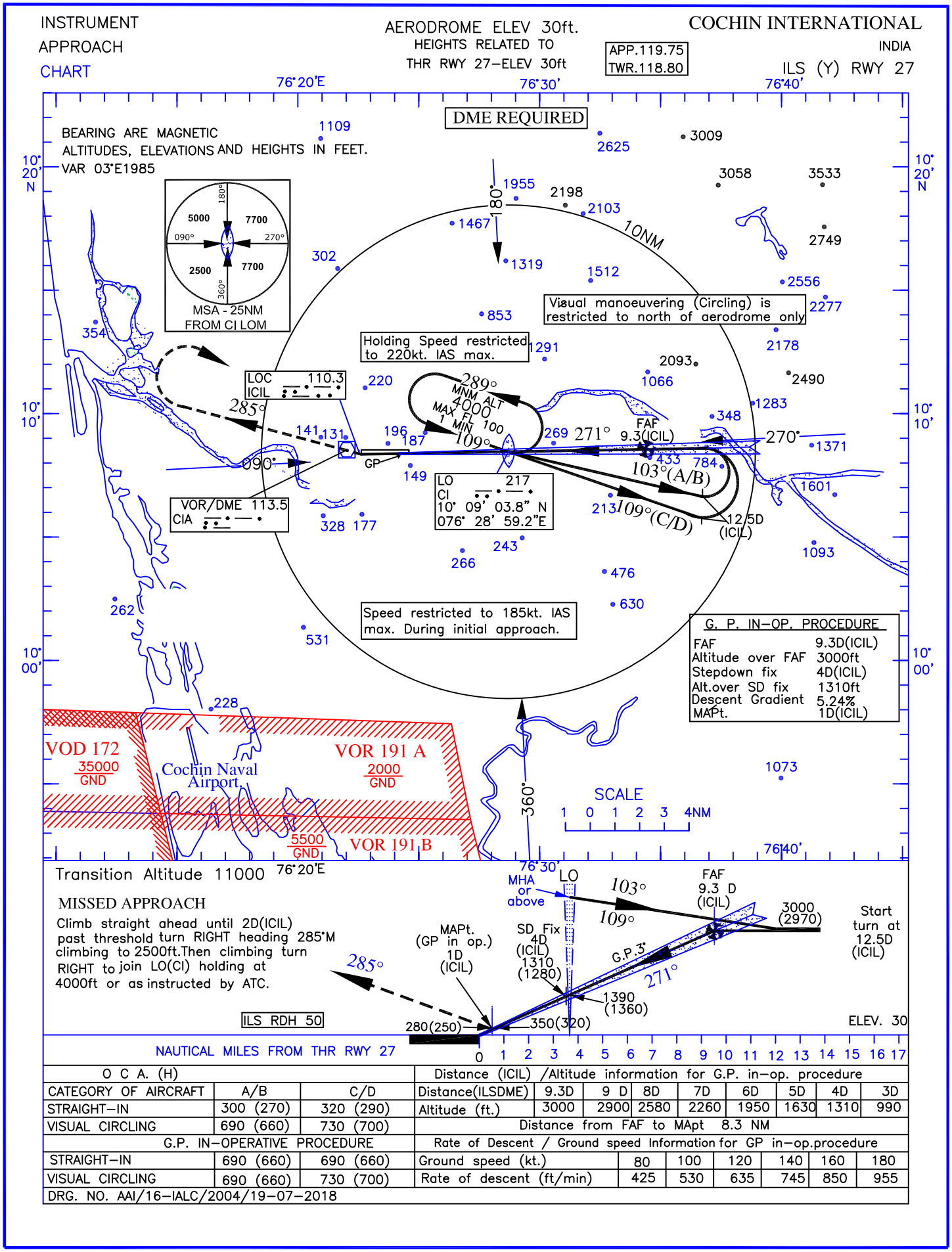


O C A. (H)		
CATEGORY OF AIRCRAFT	A/B	C/D
STRAIGHT–IN	300 (270)	320 (290)
VISUAL CIRCLING	690 (660)	730 (700)
G.P. IN–OPERATIVE PROCEDURE		
STRAIGHT–IN	690 (660)	690 (660)
VISUAL CIRCLING	690 (660)	730 (700)

Distance (ICIL) /Altitude information for G.P. in–op. procedure								
Distance(ICIL)	9.3D	9 D	8D	7D	6D	5D	4D	3D
Altitude (ft.)	3000	2900	2580	2260	1950	1630	1310	990
Distance from FAF to MApt 8.3 NM								
Rate of Descent / Ground speed Information for GP in–op.procedure								
Ground speed (kt.)	80	100	120	140	160	180		
Rate of descent (ft/min)	425	530	635	745	850	955		

DRG. NO. AAI/38–IALC/2000/01–05–2016

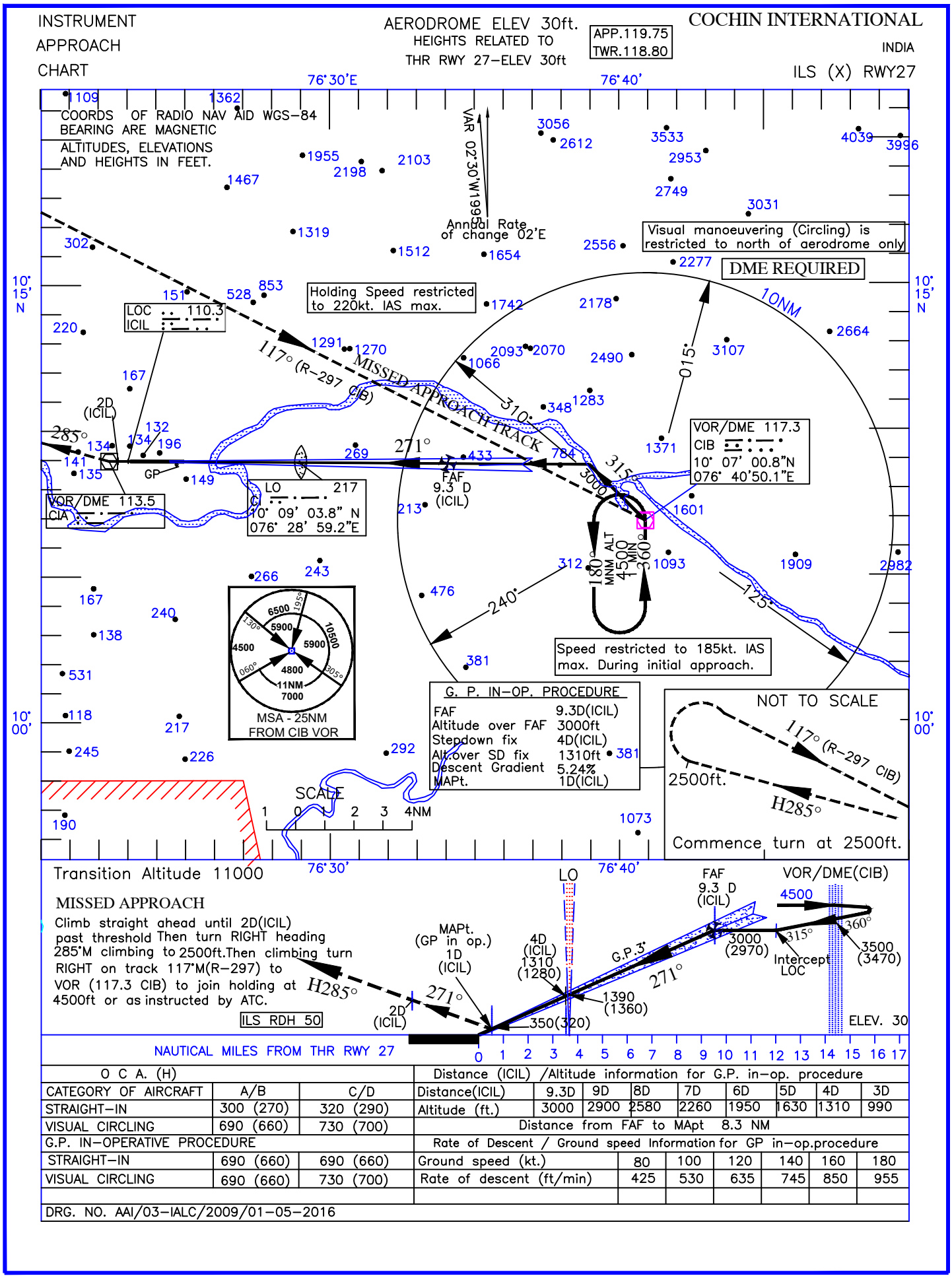
AIRPORTS AUTHORITY OF INDIA



O C A. (H)		
CATEGORY OF AIRCRAFT	A/B	C/D
STRAIGHT–IN	300 (270)	320 (290)
VISUAL CIRCLING	690 (660)	730 (700)
G.P. IN–OPERATIVE PROCEDURE		
STRAIGHT–IN	690 (660)	690 (660)
VISUAL CIRCLING	690 (660)	730 (700)

Distance (ICIL) /Altitude information for G.P. in–op. procedure								
Distance(ILSDME)	9.3D	9 D	8D	7D	6D	5D	4D	3D
Altitude (ft.)	3000	2900	2580	2260	1950	1630	1310	990
Distance from FAF to MApt 8.3 NM								
Rate of Descent / Ground speed Information for GP in–op.procedure								
Ground speed (kt.)	80	100	120	140	160	180		
Rate of descent (ft/min)	425	530	635	745	850	955		

DRG. NO. AAI/16–IALC/2004/19–07–2018

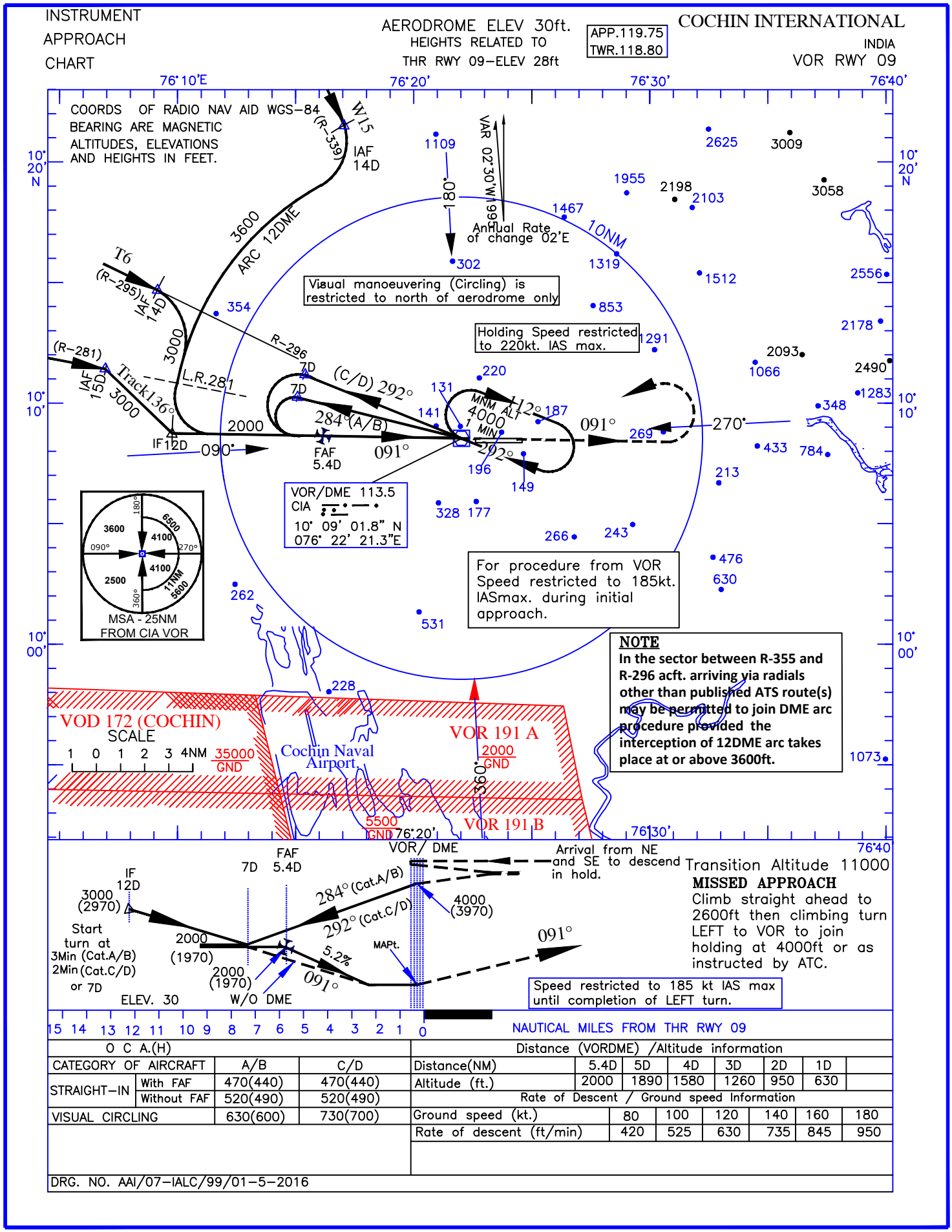


O C A. (H)		
CATEGORY OF AIRCRAFT	A/B	C/D
STRAIGHT–IN	300 (270)	320 (290)
VISUAL CIRCLING	690 (660)	730 (700)
G.P. IN–OPERATIVE PROCEDURE		
STRAIGHT–IN	690 (660)	690 (660)
VISUAL CIRCLING	690 (660)	730 (700)

Distance (ICIL) /Altitude information for G.P. in–op. procedure								
Distance(ICIL)	9.3D	9D	8D	7D	6D	5D	4D	3D
Altitude (ft.)	3000	2900	2580	2260	1950	1630	1310	990
Distance from FAF to MApt 8.3 NM								

Rate of Descent / Ground speed Information for GP in–op.procedure						
Ground speed (kt.)	80	100	120	140	160	180
Rate of descent (ft/min)	425	530	635	745	850	955

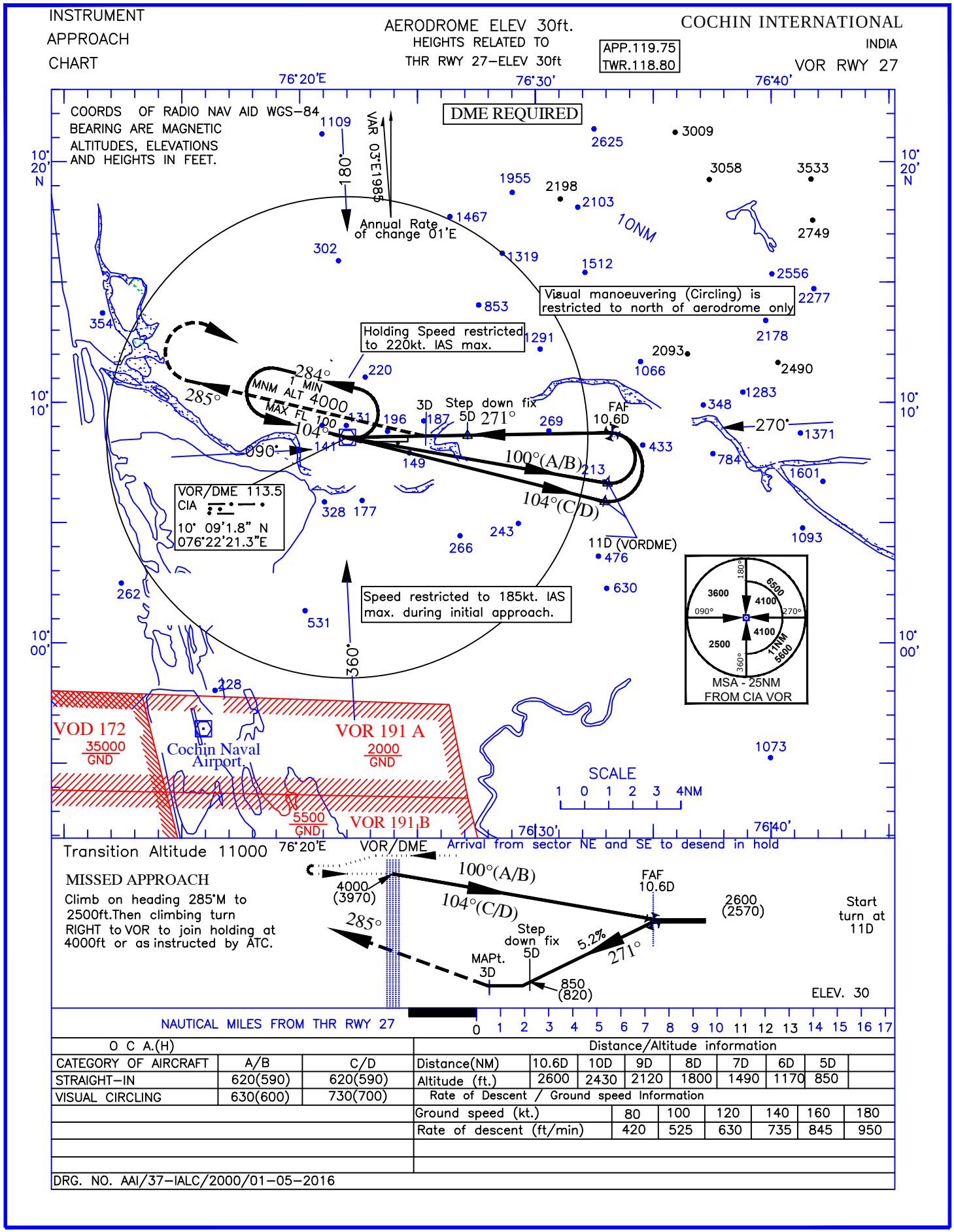
DRG. NO. AAI/03–IALC/2009/01–05–2016



O C A.(H)			
CATEGORY OF AIRCRAFT		A/B	C/D
STRAIGHT–IN	With FAF	470(440)	470(440)
	Without FAF	520(490)	520(490)
VISUAL CIRCLING		630(600)	730(700)

Distance (VORDME) /Altitude information							
Distance(NM)	5.4D	5D	4D	3D	2D	1D	
Altitude (ft.)	2000	1890	1580	1260	950	630	
Rate of Descent / Ground speed Information							
Ground speed (kt.)	80	100	120	140	160	180	
Rate of descent (ft/min)	420	525	630	735	845	950	

DRG. NO. AAI/07–IALC/99/01–5–2016



O C A.(H)		
CATEGORY OF AIRCRAFT	A/B	C/D
STRAIGHT–IN	620(590)	620(590)
VISUAL CIRCLING	630(600)	730(700)

Distance/Altitude information							
Distance(NM)	10.6D	10D	9D	8D	7D	6D	5D
Altitude (ft.)	2600	2430	2120	1800	1490	1170	850

Rate of Descent / Ground speed Information						
Ground speed (kt.)	80	100	120	140	160	180
Rate of descent (ft/min)	420	525	630	735	845	950

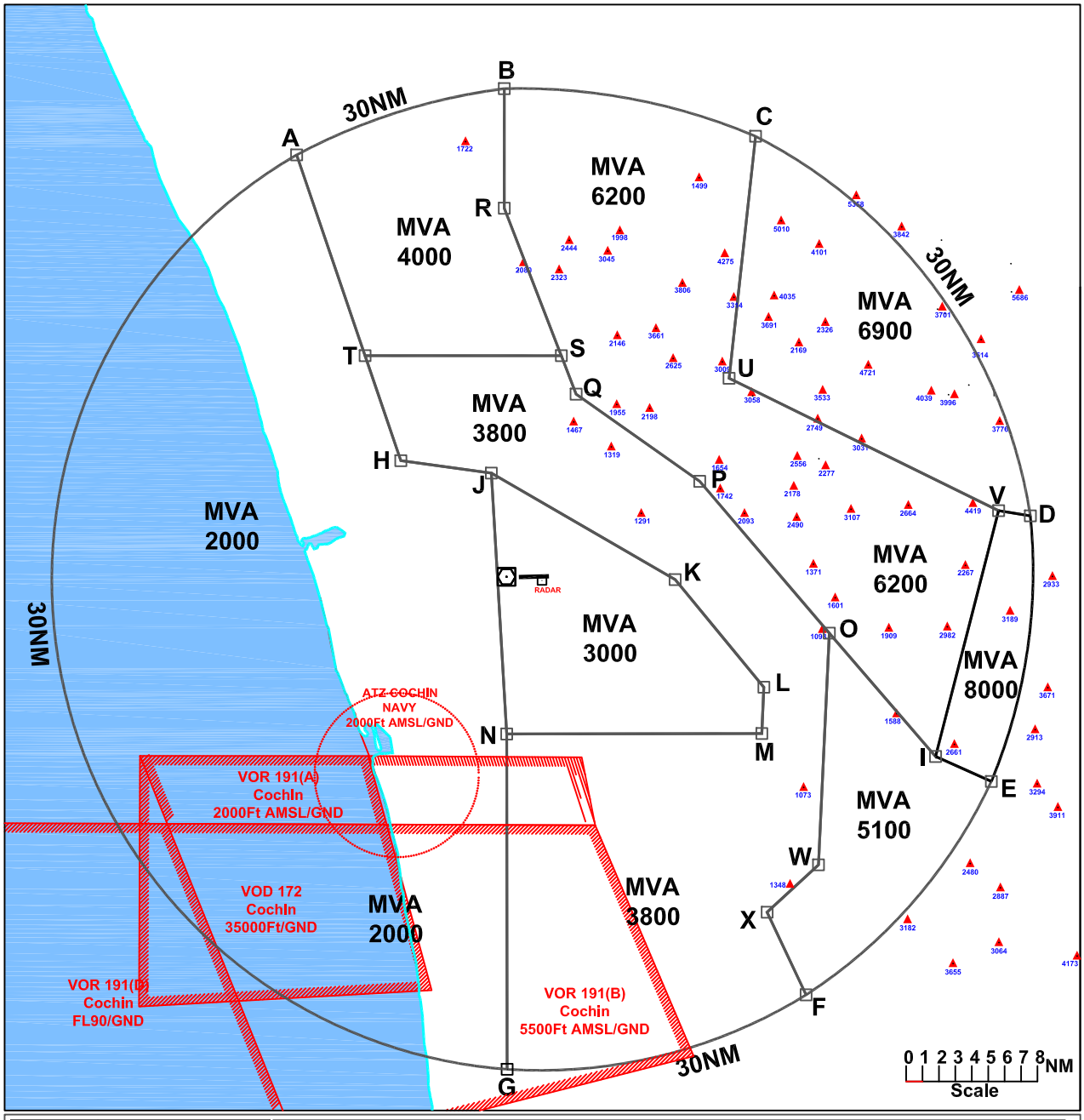
DRG. NO. AAI/37–IALC/2000/01–05–2016

Ad. Elev 30
Transition Alt 11000
Mag Var 3° W (2010)

All altitude in feet

APP 119.75
TWR 118.80

COCHIN INTL. (VOCI)
ATC Surveillance
Minimum Altitude Chart



S. No	Boundary Points	Boundary Points Coordinates	
		Latitude	Longitude
1	A	103411.7N	0760809.9E
2	B	103850.8N	0762047.8E
3	C	103639.5N	0763627.1E
4	D	101414.3N	0765429.4E
5	E	095754.3N	0765250.0E
6	F	094420.8N	0764201.3E
7	G	093857.0N	0762349.2E
8	H	101549.4N	0761529.7E
9	I	095916.3N	0764919.6E
10	J	101519.5N	0762107.0E
11	K	100920.5N	0763245.7E
12	L	100301.1N	0763832.6E
13	M	100011.3N	0763832.9E
14	N	095925.6N	0762249.7E
15	O	100630.4N	0764225.5E
16	P	101525.0N	0763359.6E
17	Q	102023.5N	0762607.1E
18	R	103132.8N	0762108.7E
19	S	102241.9N	0762505.6E
20	T	102207.8N	0761258.9E
21	U	102147.8N	0763530.8E
22	V	101427.7N	0765231.3E
23	W	095219.2N	0764224.9E
24	X	094916.8N	0763923.0E

Radio Communication Failure Procedure:

When radar vectoring is provided for pilot interpreted final approach aid, following radio communication failure procedure shall be applicable-

1. If radio communication failure takes place prior to interception of final approach track, aircraft shall maintain the last assigned altitude or 4000Ft whichever is higher and proceed to CIA VOR via shortest route to join the holding procedure.

2. If radio communication failure occurs after interception of the final approach track, aircraft should continue the approach and land if visual or carryout the missed approach and join the CIA VOR holding at 4000Ft. After joining the holding procedure aircraft shall carryout the instrument approach procedure for which radar vectoring was provided.

NOTE:

1. Altitudes shown are based on QNH.
2. Only signficant spot elevations are shown
3. ATC Surveillance Minimum Altitudes are established within 30NM of Cochin International TAR/MSSR (100854.62N 0762433.32E)
4. Chart may only be used for cross-checking of altitude assigned while the aircraft is identified and is being radar vectored.

19-07-2018