

AD 2. AERODROMES**VOCI AD 2.1 AERODROME LOCATION INDICATOR AND NAME****VOCI - COCHIN / INTERNATIONAL****VOCI AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**

1.	ARP coordinates and site at AD	100914N 0762425E
2.	Direction and distance from (city)	045° , 28KM from Cochin south railway station
3.	Elevation/Reference temperature	9.22M (30FT) / 29.6° C
4.	MAG VAR/Annual change	2.75° W (1985) / Negligible
5.	AD Administration, address, telephone, telefax, telex, AFS	Managing Director Cochin International Airport Limited (CIAL), Kochi Airport P.O, Cochin – 683111 Kerala, India.
		Telephone 91-484-2610125, 2610003 2610115.
		TELEFAX 91-484-2610009, 2610012
		AFS VOCIYOYX
6.	Types of traffic permitted (IFR/VFR)	IFR/VFR
7.	Remarks	NIL

VOCI AD 2.3 OPERATIONAL HOURS

1.	AD Administration	MON-SAT 0330-1130(0900-1700IST) 2 nd and 4 th 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.	ATS	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	Upto 100MT Handling possible per day.
2.	Fuel/oil types	ATF
3.	Fuelling facilities/capacity	Hydrant System, 4000Litres/Min
4.	De-icing facilities	Not required
5.	Hanger space for visiting aircraft	Not available
6.	Repair facilities for visiting aircraft	100 Hrs maintenance check facility for A310-300 aircrafts are available.
7.	Remarks	Ground handling provided by Air-India Ltd.

VOCI AD 2.5 PASSENGER FACILITIES

1.	Hotels	Near the AD and in the city
2.	Restaurants	At AD and in the city
3.	Transportation	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 AD.
6.	Tourist office	At AD, Office in City .TEL: 91-484-2353234
7.	Remarks	NIL

VOCI AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1.	AD category for fire fighting	CAT 9
2.	Rescue equipment	Yes, Available
3.	Capability for removal of disabled aircraft	Tractors, Tow bars, Aircraft wheel jacks (Limited capacity)
4.	Remarks	NIL

VOCI AD 2.7 SEASONAL AVAILABILITY - CLEARING

1.	Types of clearing equipment	Nil, Manual cleaning.
2.	Clearance priorities	Runway 09/27 and associated taxiways
3.	Remarks	No snow fall

VOCI AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1.	Apron surface and strength	Surface	Concrete
		Strength	PCN 65 R/B/W/T
2.	Taxiway width, surface and strength	Width	23M
		Surface	Asphalt
3.	ACL and elevation	Strength	PCN 60 F/B/W/T
		Location	At Apron
4.	VOR/INS checkpoints	Elevation	7.975M
		VOR	On TWY 'D' 087°, 1.2 NM
5.	Remarks	INS	--
		Parking stands available 1-10.	

VOCI AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1.	Use of aircraft stand ID signs, TWY guidelines and visual docking / parking guidance system of aircraft stands	Stand Numbers, Apron guidelines, Taxi-way guidelines marked. Taxing guidance signs at all intersections with TWY & RWY and at all Holding Position provided. Visual docking guidance provided for stand nos. 1 and 2. Coordinates for all parking bays.		
2.	RWY and TWY markings and LGT	RWY	Marked	Designation, THR, TDZ, Centerline, Edge, RWY end.
			Lighted	Edge, THR, Runway end.
		TWY	Marked	Centerline, holding position at all TWY/RWY inter sections.
			Lighted	TWY edge
3.	Stop bars	Not available.		
4.	Remarks	1.Taxi guidelines to and from stand provided. Follow me jeep provided when required. 2.All aircraft above 50 Ton of wt. to make turning at dumbbell only and to follow the guideline markings provided.		

VOCI AD 2.10 AERODORME OBSTACLES

Nil

VOCI AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET office	Cochin Airport MET office.
2.	Hours of service Met office outside hours	H24
3.	Office responsible for TAF preparation & periods of validity	Thiruvananthapuram (VOTV) 9 & 24 HRS
4.	Types of landing forecast Interval of issuance	METAR without TREND forecast provided 30Min
5.	Briefing / consultation provided	Chart form of documentation received from RAFC / MO Chennai and ROFOR for M.O Trivandrum provided at time of briefing, in addition to Personal consultation
6.	Flight documentation Language(s) used	Charts, Abbreviated Plain language Text. English
7.	Charts and other information available for briefing or consultation	TAFs and CW reports of VOCI and other airports provided H24.
8.	Supplementary equipment available for providing information	Fax (No Self-Briefing facility available).
9.	ATS units provided with information	ATC/COM/MET Briefing/Cochin TWR/ Cochin APP Units.
10.	Additional information (limitation of service, etc.)	RVR operated from AVRA MK I for RWY 27.

VOCI AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

RWY	True & Mag. Brg.	Dim. Of RWY(M)	Strength (PCN) & Surface of RWY & SWY	THR Coord.	THR Elevation & Highest Elevation Of TDZ Of Precision App Rwy
1	2	3	4	5	6
09	088° GEO 91°MAG	3400X45	60/F/B/W/T Asphalt	100932.8N 0762305.3E	THR 8.5M/28FT
27	268°GEO 271°MAG	3400X45	60/F/B/W/T Asphalt	100906.8N 0762457.4E	THR9.0M/30FT
Slope of RWY-SWY	Swy Dimension (M)	Cwy Dimension (M)	Strip Dimension (M)	OFZ	Remarks
7	8	9	10	11	12
0.103%	NIL	NIL	3580X300	NIL	
0.103%	NIL	NIL	3580X300	NIL	

VOCI AD 2.13 DECLARED DISTANCES

RWY Des.	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
09	3400	3400	3400	3400	RESA 90MX90M
27	3400	3400	3400	3400	RESA 90MX90M

VOCI AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	Apch LGT Type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	RWY Centre Line LGT length, Spacing, Colour, INTST
1	2	3	4	5	6
09	SALS 420M, High Var.	Green	PAPI, LEFT 3°	NIL	NIL
27	CAT1, 900M, High Var.	Green	PAPI, LEFT 3°	NIL	NIL
RWY edge LGT, LEN,spacing, colour INTST.		RWY End LGT colour WBAR	SWY LGT LEN (M) Colour		Remarks
7	8	9		10	
3400M, 60M,WHITE,HIRL	Red	NIL		NIL	
3400M, 60M,WHITE,HIRL	Red	NIL		NIL	

VOCI AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1.	ABN/IBN location, characteristics and Hours of operation	ABN	At Tower Building, H24 RPM 15 per minute
		IBN	NIL
2.	LDI location and LGT Anemometer location and LGT	LDI	Located at 1950M from RWY09 THR and 100M North of RWY Centerline lighted.
		Anemometer	300M from THR 09 & 27, 120m South of Central Line.
3.	TWY edge and centre line lighting	Edge	All Taxiways
		Center line	NIL
4.	Secondary power supply/switch-over Time	Secondary power supply to all lighting at AD. Switch over time - 15sec.	
5.	Remarks	WDI AVBL. at ends of RWY 09/27. WDI near TWY 'D' withdrawn.	

VOCI AD 2.16 HELICOPTER LANDING AREA

1.	Coordinates TLOF or THR of FATO	No separate landing area for Helicopters
2.	TLOF and/or FATO elevation M/FT	Not Applicable
3.	TLOF and FATO area dimensions, Surface, strength, marking	Not Applicable
4.	True and MAG BRG of FATO	Not Applicable
5.	Declared distance available	Not Applicable
6.	APP and FATO lighting	Not Applicable
7.	Remarks	Helicopters to land on Runway 09/27

VOCI AD 2.17 ATS AIRSPACE

1.	Designation and lateral limits	Refer ENR section
2.	Vertical limits	GND to FL145.
3.	Airspace classification	D
4.	ATS unit call sign Language(s)	Cochin Tower, Cochin Approach English
5.	Transition altitude	6500 FT
6.	Remarks	NIL

VOCI AD 2.18 ATS COMMUNICATION FACILITIES

Service Designator	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Cochin Tower	118.800MHz	H24	EMERGENCY 121.50 MHz with TWR, APP and SMC.
APP	Cochin Approach	119.750MHz	H24	
ATIS	Cochin Information	126.200MHz	H24	
SMC	Cochin Ground	121.750MHz	H24	

VOCI AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid CAT of ILS/MLS (For VOR/ILS/ MLS, give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR 3°W(1985)	CIA	113.5 MHz	H24	100901.8N 0762221.3E		
DME	CIA	1169/1106 MHz	H24	100901.8N 0762221.3E	15M/49FT	Collocated With DVOR
NDB	CA	268 KHz	H24	100226.8N 0761644.3E		
LLZ 27 CAT I	ICIL	110.3MHz	H24	100900.8N 0762253.3E		
GP27	---	335MHz	H24	100901.7N 0762447.3E		
DME(ILS)	ICIL	1001/1064 MHz CH 72X	H24	100901.8N 0762447.3E	12M/40FT	Low power
LO	CI	217KHz	H24	100903.8N 0762859.2E		
OM	DAS HES	75MHz	H24	100903.8N 0762859.2E		Coverage 50 Km 41 Nm from RWY 27
LM	IL	--	H24	100903.8N 0762439.3E		Coverage 40 Km 1160m/3800 ft from RWY 27
MM	<small>DOTS/ DASHES</small>	75MHz	H24	100903.8N 0762439.3E		
DVORII	CIB	117.3MHz	0430- 1030	100700.8N 0764050.1E		
DME	CIB	1207/1144 MHz CH120X	0430- 1030	100700.8N 0764050.1E		Collocated with DVORII CH 120X

VOCI AD 2.20 LOCAL TRAFFIC REGULATIONS

VOCI AD 2.21 NOISE ABATEMENT PROCEDURE

VOCI AD 2.22 FLIGHT PROCEDURES

COCHIN INTERNATIONAL AIRPORT - STANDARD INSTRUMENT DEPARTURE PROCEDURES

1. FACTORS COMMON TO ALL SIDs ARE AS FOLLOWS: -

- (A) All radials and DME distance are those of CIA VOR unless otherwise specified.
- (B) ATC at its discretion may specify alternate routings if considered necessary due to traffic.
- (C) 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 NORTH	CALICUT-1	Turn right at or before 4 DME, intercept R-340 to 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 VOD172(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 VOD172(A) active.
W91	TUMLA-3	Turn right at or before 4 DME for CIA VOR intercept R-140 to TUMLA	

3. SIDs FOR RWY 09

Route Designator	SID Designator	Routing After Departure	Remarks
W15 NORTH	CALICUT-2	Turn left at or before 6 DME, intercept R-340 to Calicut.	Climb gradient minimum 5% until passing 1600FT.
W118	COIMBATORE-2	Turn left at or before 6 DME, to intercept R-040 to COIMBATORE (CCB). Cross 10 DME 5000FT 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. Details of Stand Nos.**

Stand No.	Surface	PCN	Latitude	Longitude	Remarks
1	Cement Concrete	65/R/B/W/T	100910.32 N	0762326.10E	Upto B-747
2	Cement Concrete	65/R/B/W/T	100910.32 N	0762328.44E	Upto B-747
3	Cement Concrete	65/R/B/W/T	100910.32 N	0762330.12E	Upto B-747
4	Cement Concrete	65/R/B/W/T	100910.32 N	0762332.52E	Upto A-300
5	Cement Concrete	65/R/B/W/T	100910.32 N	0762334.98E	Upto A-300
6	Cement Concrete	65/R/B/W/T	100910.32 N	0762336.48E	Upto A-320
7	Cement Concrete	65/R/B/W/T	100910.32 N	0762337.56E	Upto A-320
8	Cement Concrete	65/R/B/W/T	100910.32 N	0762338.76E	Upto ATR72-500, EMB170
9	Cement Concrete	65/R/B/W/T	100910.32 N	0762340.08E	Upto A-320
10	Cement Concrete	65/R/B/W/T	100910.32 N	0762342.24E	Upto A-300

2. New metallic antenna mast of 65 FT installed at MM site. Location 1009N07626E mast light installed on top.

VOCI AD 2.24 CHARTS

1. ILS (X) RWY 27
2. ILS (Y) RWY 27
3. VOR RWY 27
4. VOR RWY 09