

TEL: 91-11-24632950 Extn: 2219/2233 AFS: VIDDYXAX FAX: 91-11-24615508 E_mail:- gmais@aai.aero	INDIA AERONAUTICAL INFORMATION SERVICES AIRPORTS AUTHORITY OF INDIA RAJIV GANDHI BHAVAN SAFDARJUNG AIRPORT NEW DELHI – 110003	19/ 2009
		5 th February 2009

File No. AAI/ATM/AIS/ 09-09/ 2009

ILS CAT II/III Procedure Rwy 29- Delhi Airport has been promulgated vide G0221/08. Following Supplement is issued providing the detailed procedure and the Instrument Approach chart along with the operating minima for information, guidance and necessary action.



V.P. AGRAWAL
CHAIRMAN

AIRPORTS AUTHORITY OF INDIA

[Effective Date: 20 February 2009]

SUBJECT: ILS (CAT II/III) PROCEDURE RWY 29 – DELHI AIRPORT (DME REQUIRED)

(All Radials and Distances are from VOR (116.1 DPN) unless otherwise specified)

1.	Holding Procedures:	
1.1	SIKANDARABAD VOR DME(112.4 SSB)	One minute right hand pattern, inbound track 288 Deg M. Minimum holding level FL65, maximum holding level FL 140.
1.2	SAKRAS VOR DME(117.2 SAK)	One minute right hand pattern, inbound track 006 Deg M. Minimum holding level FL65.
1.3	SAMPLA VOR DME(117.0 SAM)	One minute left hand pattern, inbound track 136 Deg M. Minimum holding level FL65.
1.4	CHHILERKI VOR DME(116.8 CHI)	One minute left hand pattern, inbound track 060 Deg M. Minimum holding level FL65.

2.	Procedure:	
2.1	From SIKANDARABAD VOR DME(112.4 SSB)	Proceed on track 287 Deg M (R-287 SSB) maintain FL65. Crossing 10D (SSB) descend to 2600 feet, intercept localizer (110.9 IDGM) inbound track 283 Deg M. Descend on glide path to DA/H.
2.2	From SAKRAS VOR DME(117.2 SAK)	Leave VOR(SKA) to establish R-186 DPN, maintain FL65. After passing IAF 14D turn right to fly DME ARC of 12D, crossing R-177 descend to 2600 feet. Crossing lead radial (R-120) turn left to intercept localizer (110.9 IDGM) inbound track 283 Deg M. Descend on glide path to DA/H.
2.3	From SAMPLA VOR DME(117.0 SAM)	Leave VOR(SAM) to establish R-316(DPN), maintain FL65. Passing IAF 14D turn right to fly DME ARC of 12D, crossing R-177 descend to 2600 feet. Crossing lead radial (R-120) turn left to intercept localizer (110.9 IDGM) inbound track 283 Deg M. Descend on glide path to DA/H.
2.4	From ATS routes – W10N/W33N/ L760 (R-162)	After passing IAF 14D turn right to fly DME ARC of radius 12D and descend to 2600 feet. Crossing lead radial (R-120) turn left to intercept localizer (110.9 IDGM) inbound track 283 Deg M. Descend on glide path to DA/H.
2.5	From CHHILERKI VOR DME (116.8 CHI)	Leave VOR (CHI) to establish R-240 (DPN), maintain FL65. Passing IAF 14D turn right to fly DME ARC of 12D, crossing R-177 descend to 2600 feet. Crossing lead radial (R-120) turn left to intercept localizer (110.9 IDGM) inbound track 283 Deg M. Descend on glide path to DA/H.
2.6	From ATS routes W20N (R-177)	After passing IAF 14D turn left to fly DME ARC of radius 12D and descend to 2600 feet. Crossing lead radial R-120 turn left to intercept localizer (110.9 IDGM) inbound track 283 Deg M. Descend on glide path to DA/H.

3.	IF Altitude over IF Altitude at 4D (ILS DME) Altitude at 1D (ILS DME) Glide Path Angle ILS RDH	11.5D (ILS DME) 2600 feet 2020 feet 1060feet 3 Deg 50 feet																												
4.	<table><tr><th colspan="2">OCA (ft)</th><th>DH(ft)</th><th>RVR(M)</th></tr><tr><td colspan="4">-----</td></tr><tr><td>CAT II</td><td>851</td><td>100</td><td>350</td></tr><tr><td>CAT IIIA</td><td>NA</td><td>50</td><td>200</td></tr><tr><td>CAT IIIB</td><td>NA</td><td>NA</td><td>50</td></tr><tr><td colspan="4">-----</td></tr><tr><td colspan="4">RA 92</td></tr></table>		OCA (ft)		DH(ft)	RVR(M)	-----				CAT II	851	100	350	CAT IIIA	NA	50	200	CAT IIIB	NA	NA	50	-----				RA 92			
OCA (ft)		DH(ft)	RVR(M)																											

CAT II	851	100	350																											
CAT IIIA	NA	50	200																											
CAT IIIB	NA	NA	50																											

RA 92																														
5.	Missed Approach Procedure	Climb straight ahead, at 1.5D (ILS DME) after the threshold turn left on heading 250 deg M to establish R-265 (114.6 DIG) climbing to 2600 feet. Crossing 10D (DIG) turn left to proceed to VOR (116.8 CHI) via R-045 (CHI). Crossing 11D (CHI) climb to FL65 to join holding procedure or as instructed by ATC.																												
6.	MSA	2600 feet in all sectors.																												

Cancellation : G0221/08

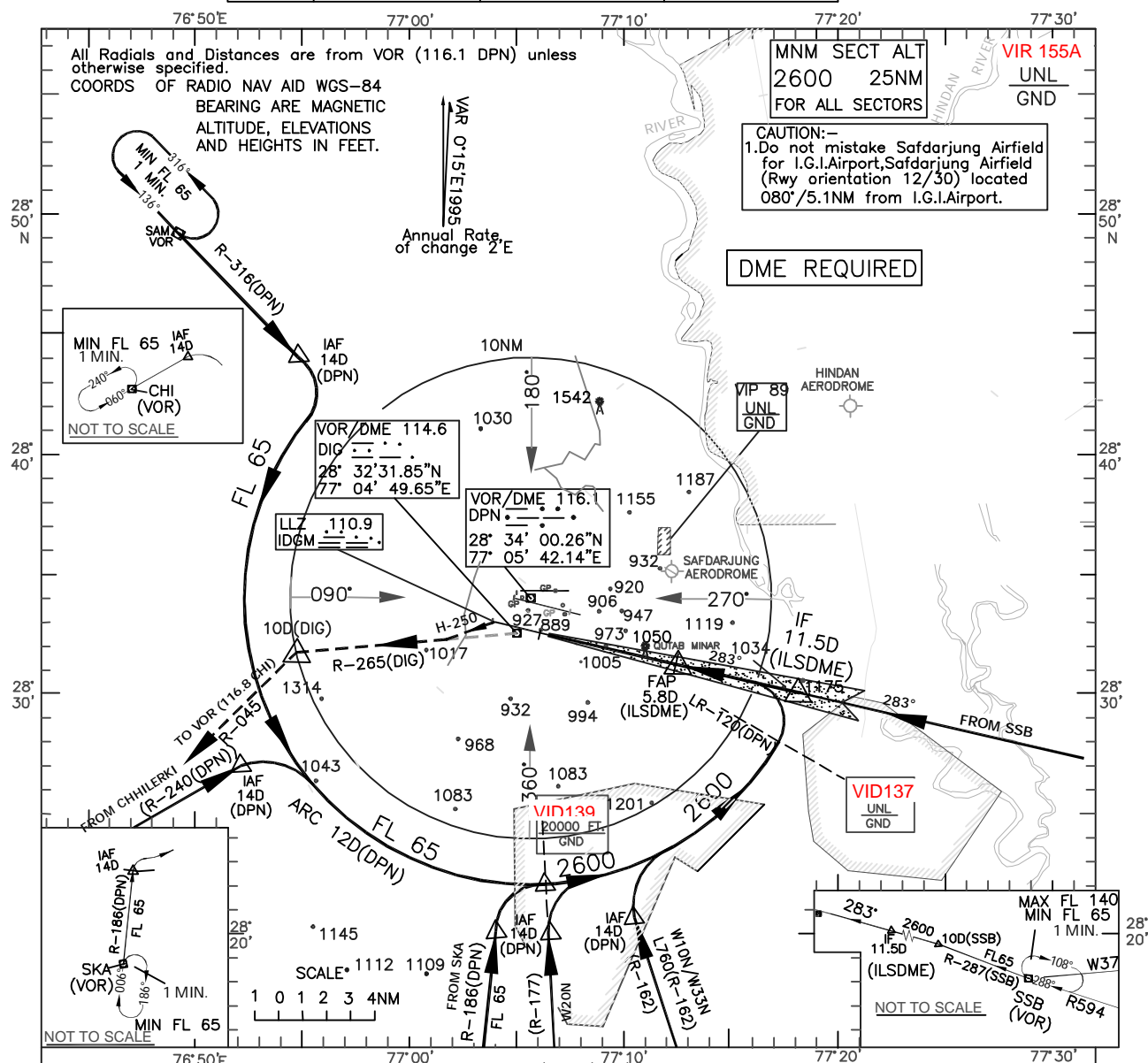
INSTRUMENT
APPROACH
CHART

AERODROME ELEV. 777ft.
HEIGHTS RELATED TO
THR RWY 29-ELEV.751ft

DELHI
INDIA

ILS (CAT-II/IIIA/IIIB) RWY 29

SMC	TWR	APP ARR	APP DEP
121.625	118.250, 118.825	121.350, 124.250	124.600, 125.675



MISSED APPROACH

Climb straight ahead, at 1.5D (ILSDME) after the THR Turn LEFT heading 250 to establish R-265 (114.6 DIG) climbing to 2600ft. crossing 10D (DIG) Turn left to proceed to VOR (116.8 CHI) VIA R-045 (CHI), crossing 11D (CHI) climb to FL65 to join holding procedure or as instructed by ATC.

NAUTICAL MILES FROM THR RWY 29				
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				
STRAIGHT-IN		OCA (ft)	DH(ft)	RVR(m)
	Cat II	851	100	350
	Cat IIIA	NA	50	200
	Cat IIIB	NA	NA	50

DRG. NO. AAI/04-IALC/09/28.01.09

Cancellation: G-0221/08