

**RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

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**TERMINAL ROUTES**

**MISSED APPROACH**

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
COVBO	SUPOC (TF) (FB) (RNP 2.00)	264.56 / 16.25	7000	<b>LPV: DA</b> <b>LNAV/VNAV: DA</b> <b>LNAV: RW16</b>  <b>CLIMB TO 7000 DIRECT HUKRI AND ON TRACK 074.02 TO JOREM AND ON TRACK 042.35 TO ZEMAB AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> <b>HOLD NE, RT, 212.43 INBOUND.</b> <b>CHART FAS OBST: 2499 TREE 444104N/1210917W.</b> <b>DISTANCE TO THLD FROM 350 HAT: 0.93 NM.</b> <b>WAAS CHANNEL # 93518</b> <b>REFERENCE PATH ID: W16A</b> <b>LTP HAE: 719.2 M</b>
ZEMAB	SUPOC (TF) (FB) (RNP 2.00)	286.61 / 20.88	7000	
SUPOC (IAF)	HETIM (TF) (FB) (RNP 1.00)	234.13 / 7.80	5500	
HETIM (IF)	TIWEP (TF) (FB) (RNP 1.00)	164.01 / 3.80	4600	
TIWEP (SEE FORM 8260-10)	KIKCE (TF) (FB) (RNP 1.00)	164.01 / 2.44	4000	

1. PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
2. PROFILE STARTS AT HETIM
3. FAC: 164.01 FAF: KIKCE DIST FAF TO MAP: 4.76 THLD: 4.76
4. MIN. ALT: HETIM 5500, TIWEP 4600, KIKCE 4000, FEPOS/3.20 NM TO RW16 3500\*
5. DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
6. MIN GS INCPT: 4000 GS ALT AT: KIKCE 4000 OM:        MM:        IM:
7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS NOT CLEAR
8. MSA FROM: RW16 11700

MAG VAR: 16E EPOCH YEAR: 2010

**MINIMUMS**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A <input checked="" type="checkbox"/> X														
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	2783	1 1/8	350	2783	1 1/8	350	2783	1 1/8	350		NA				
LNAV/VNAV DA	2843	1 3/8	410	2843	1 3/8	410	2843	1 3/8	410		NA				
LNAV MDA	3040	1	607	3040	1	607	3040	1 3/4	607		NA				
CIRCLING	3040	1	603	3040	1	603	3040	1 3/4	603		NA				

NOTES:  
 CHART NOTE: BARO-VNAV NA WHEN USING REDMOND ALTIMETER SETTING.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F).  
 CHART NOTE: RWY 16 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART NOTE: DME/DME RNP-0.3 NA.  
 (CONTINUED ON PAGE 2)



CITY AND STATE <b>MADRAS, OR</b>	ELEVATION: 2437 TDZE: 2433 AIRPORT NAME: <b>MADRAS MUNICIPAL</b>	FACILITY IDENTIFIER: <b>RNAV</b>	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <b>RNAV (GPS) RWY 16, AMDT 1C</b> 1 FEBRUARY 2018	SUP: AMDT: <b>1B</b> DATED <b>10/12/2017</b>
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**US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**  
**RNAV - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33**

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**TERMINAL ROUTES, (CONT.):**

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
KIKCE (FAF)	FEPOS/3.20 NM TO RW16 (TF) (FB) (RNP 0.30)	164.01 / 1.56	
FEPOS/3.20 NM TO RW16	RW16 (MAP) (TF) (FO) (RNP 0.30)	164.01 / 3.20	
RW16 (MAP)	2783 MSL (CA)	164.01	
2783 MSL	HUKRI (DF) (FB) (RNP 1.00)		
HUKRI	JOREM (TF) (FB) (RNP 1.00)	074.02 / 8.80	
JOREM	ZEMAB (TF) (FO) (RNP 1.00)	042.35 / 19.06	7000

**NOTES, (CONT.):**

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT COVBO ON V500 EASTBOUND.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ZEMAB ON V536 NORTHEAST BOUND.  
 \*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUPOC ON T261 NORTHEAST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE REDMOND ALTIMETER SETTING AND INCREASE ALL DA AND MDA 580 FEET; INCREASE LPV ALL CATS VISIBILITY 2 7/8 SM, LNAV/VNAV ALL CATS VISIBILITY 2 5/8 SM, LNAV AND CIRCLING CAT A VISIBILITY 1/4 SM, LNAV AND CIRCLING CAT B VISIBILITY 1/2 SM, AND INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1 1/4 SM.



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					AMDT: <b>1B</b>
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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	S33
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	444026.5060N
LTP/FTP LONGITUDE	1210912.1855W
LTP/FTP ELLIPSOIDAL HEIGHT	+07192
FPAP LATITUDE	443857.4100N
FPAP LONGITUDE	1210912.2100W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	48B1AD7A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+07406
FPAP ORTHOMETRIC HEIGHT	+07406



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