

**INSTRUMENT** AERODROME ELEV 82 FT  
**APPROACH** HEIGHTS RELATED TO  
**CHART - ICAO** THR RWY23 - ELEV 62 FT

**TART / Trat (VTBO)**  
**RNAV (GNSS) RWY23**

**TABULAR DESCRIPTION**

**RNAV (GNSS) RWY23**

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
010	IF	SUNDA (IAF)	-	-	+0.60	-	-	+7000	-	-	RNP APCH
020	TF	KUGAR	-	037°(036.32°)	+0.60	29.8	-	+6000	-	-	RNP APCH
030	TF	NOVEM	-	037°(036.40°)	+0.60	10.0	L	+4100	-230	-	RNP APCH
040	TF	FINZA (IF)	-	322°(321.30°)	+0.60	5.0	-	+3300	-210	-	RNP APCH
010	IF	HUNSA (IAF)	-	-	+0.60	-	-	+7000	-	-	RNP APCH
020	TF	SEPPA	-	099°(098.54°)	+0.60	26.7	R	+4100	-230	-	RNP APCH
030	TF	FINZA (IF)	-	142°(141.31°)	+0.60	5.0	-	+3300	-210	-	RNP APCH
010	IF	FINZA (IF)	-	-	+0.60	-	-	+3300	-210	-	RNP APCH
020	TF	SMART (FAF)	-	232°(231.32°)	+0.60	6.0	-	@2000	-	-	RNP APCH
030	TF	TDXNM (MAPt)	Y	232°(231.30°)	+0.60	6.0	-	@890	-	-	RNP APCH
040	CA	-	-	232°(231.30°)	+0.60	-	-	+1200	-	-	RNP APCH
050	DF	SMART (FAF)	-	-	+0.60	-	R	+2000	-	-	RNP APCH
060	HM	SMART (FAF)	Y	232°(231.32°)	+0.60	1 minute	R	+2000	-230	-	RNP APCH

**WAYPOINT LIST**

**RNAV (GNSS) RWY23**

Waypoint Identifier	Coordinates	
SUNDA	11° 48' 14.01" N	102° 08' 14.08" E
KUGAR	12° 12' 21.61" N	102° 26' 16.32" E
NOVEM	12° 20' 25.98" N	102° 32' 19.57" E
HUNSA	12° 32' 15.73" N	101° 59' 00.42" E
SEPPA	12° 28' 15.82" N	102° 25' 56.90" E
FINZA	12° 24' 20.91" N	102° 29' 08.28" E
SMART	12° 20' 35.16" N	102° 24' 21.55" E
TDXNM (THR23)	12° 16' 49.30" N	102° 19' 34.94" E