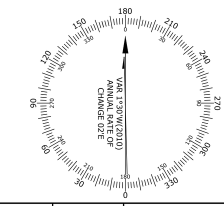
ALL DISTANCES ARE IN METERS
ELEVATIONS IN FEET (EGM 08)
AERODROME ELEVATION - 564 Ft

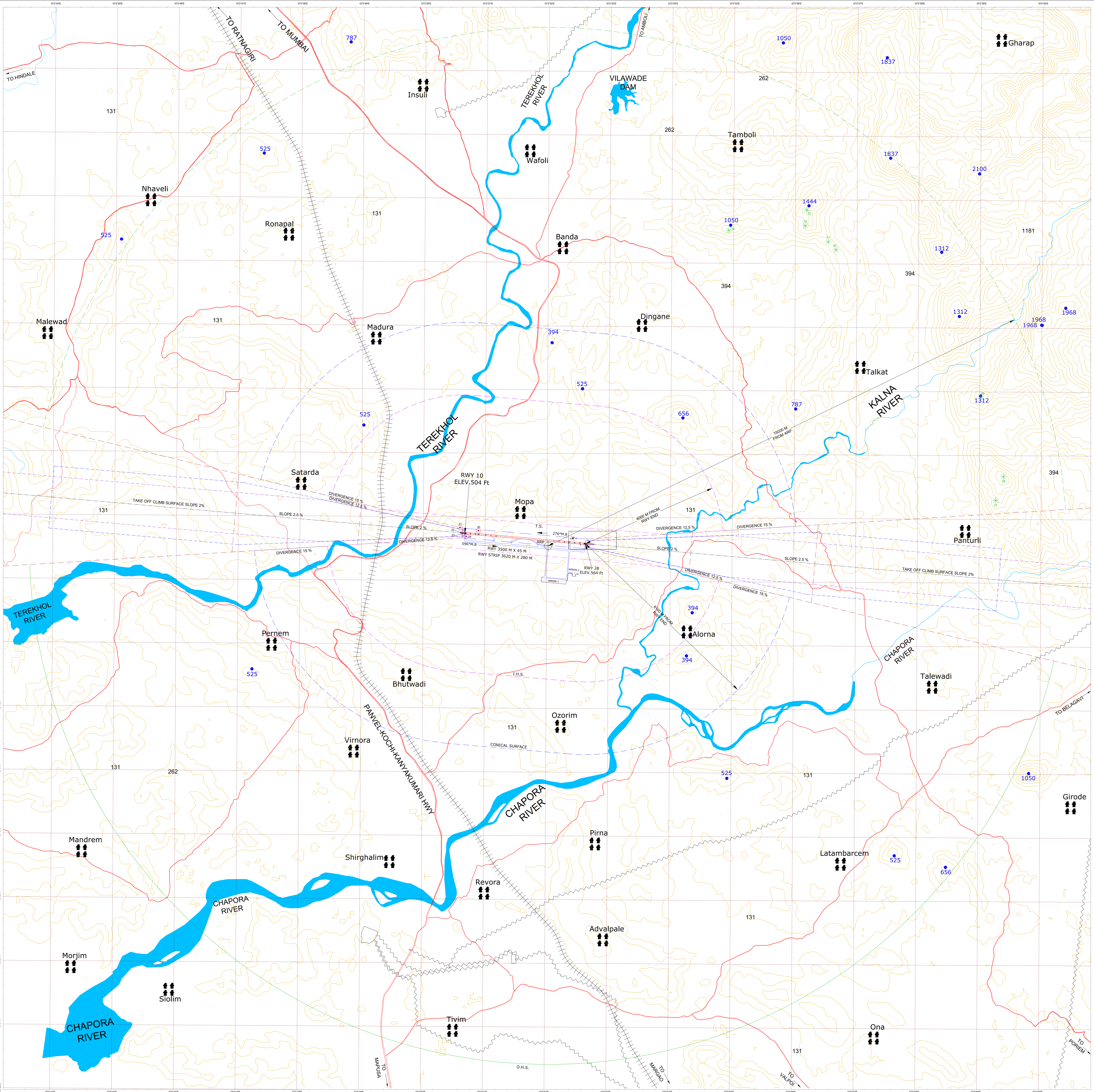
AERODROME OBSTACLE CHART-TYPE-B

HORIZONTAL SCALE 1:20000

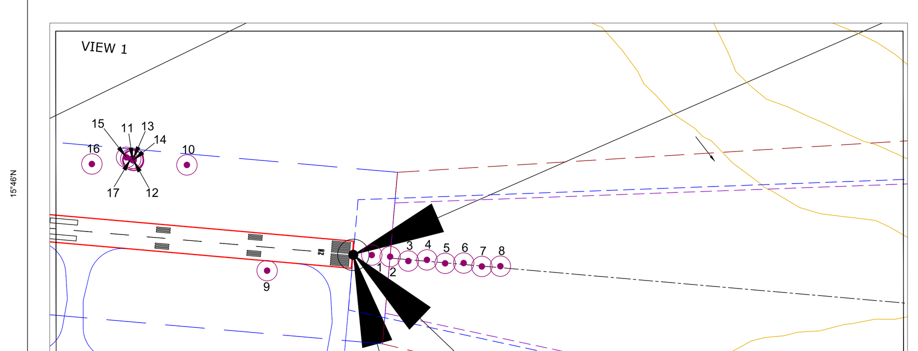
1000 0 1000 2000 3000 4000 5000 METER
5000 0 5000 10,000 FEET



GOA, INDIA
MANOHAR INTERNATIONAL AIRPORT, MOPA



SR.NO.	UUID	UID	OBJECT NAME	TOP ELEV IN FT (EGM 08)	DISTANCE FROM ARP	LAT	LONG
1	VOGA_9130	4046	APPROACH LIGHT	565	1110	15°44'35.189"N	073°52'38.476"E
2	VOGA_9166	4377	APPROACH LIGHT	567	1140	15°44'35.108"N	073°52'39.481"E
3	VOGA_9126	4041	APPROACH LIGHT	569	1169	15°44'34.882"N	073°52'40.472"E
4	VOGA_9123	4037	APPROACH LIGHT	570	1200	15°44'34.948"N	073°52'41.490"E
5	VOGA_9006	4032	APPROACH LIGHT	572	1229	15°44'34.772"N	073°52'42.487"E
6	VOGA_9005	4027	APPROACH LIGHT	573	1259	15°44'34.790"N	073°52'43.498"E
7	VOGA_9111	4022	APPROACH LIGHT	574	1288	15°44'34.614"N	073°52'44.494"E
8	VOGA_9003	4017	APPROACH LIGHT	576	1319	15°44'34.633"N	073°52'45.506"E
9	VOGA_9025	5108	SIGN BOARD	565	939	15°44'34.332"N	073°52'32.759"E
10	VOGA_4003	4002	GP MONITOR ANTENNA	573	834	15°44'39.904"N	073°52'28.345"E
11	VOGA_9024	5085	ARRESTER ON GP ANTENNA	616	751	15°44'40.143"N	073°52'25.381"E
12	VOGA_9021	5082	OBSTACLE LIGHT ON GP ANTENNA	612	753	15°44'40.123"N	073°52'25.433"E
13	VOGA_4002	4001	GP DME	578	753	15°44'40.231"N	073°52'25.417"E
14	VOGA_4001	4000	GP ANTENNA	611	752	15°44'40.132"N	073°52'25.406"E
15	VOGA_5049	5501	HUT CORNER	567	743	15°44'40.288"N	073°52'25.043"E
16	VOGA_4009	4072	IMD ANTENNA	592	686	15°44'39.925"N	073°52'23.153"E
17	VOGA_5004	5040	GP HUT	568	749	15°44'40.207"N	073°52'25.276"E
~~18~~	-	~~5017~~	~~TEMPORARY ANTENNA~~	~~557~~	~~1306~~	~~15°44'47.032"N~~	~~073°51'19.817"E~~
~~19~~	-	~~5024~~	~~ARRESTER ON TEMPORARY MAST~~	~~567~~	~~1588~~	~~15°44'48.053"N~~	~~073°51'10.192"E~~
20	VOGA_4010	4073	IMD ANTENNA	544	2064	15°44'47.046"N	073°50'53.440"E
21	VOGA_8020	5077	MOBILE ROAD TRAFFIC (ROAD ELEV.+TRAFFIC HEIGHT 150.70+5)	511	2605	15°44'49.922"N	073°50'35.492"E
22	VOGA_9010	4050	APPROACH LIGHT	504	2466	15°44'44.591"N	073°50'39.258"E
23	VOGA_9011	4051	APPROACH LIGHT	504	2496	15°44'44.671"N	073°50'38.256"E
24	VOGA_9026	5109	SIGN BOARD	505	2389	15°44'41.431"N	073°50'41.461"E
~~25~~	-	~~5028~~	~~CRANE TOP~~	~~748~~	~~1115~~	~~15°44'03.982"N~~	~~073°51'38.751"E~~
~~26~~	-	~~5027~~	~~CRANE CORNER~~	~~749~~	~~1116~~	~~15°44'02.813"N~~	~~073°51'40.407"E~~
27	VOGA_9076	5169	GROUP OF TREE ON HILL TOP	1139	13004	15°45'17.835"N	073°59'15.730"E
28	VOGA_9056	5148	GROUP OF TREE ON HILL TOP	1494	13320	15°45'40.182"N	073°59'23.384"E
29	VOGA_9078	5171	GROUP OF TREE ON HILL TOP	1382	13242	15°46'55.307"N	073°59'01.238"E
30	VOGA_9091	5185	GROUP OF TREE ON HILL TOP	1146	11944	15°49'13.099"N	073°56'39.502"E
31	VOGA_9092	5186	GROUP OF TREE ON HILL TOP	1151	11957	15°49'20.543"N	073°56'31.938"E
32	VOGA_9093	5187	GROUP OF TREE ON HILL TOP	1399	11879	15°49'35.584"N	073°56'09.648"E
33	VOGA_9046	5138	GROUP OF TREE ON HILL TOP	1518	12260	15°49'50.332"N	073°56'10.947"E
34	VOGA_9042	5134	GROUP OF TREE ON HILL TOP	1227	10517	15°49'30.875"N	073°54'55.236"E



NOTE:-

1. OBSTACLES SHOWN ARE THOSE WHICH PENETRATE THE SURFACE SPECIFIED IN ANNEX 14, VOL.1, CHAPTER 4.
2. TORA FOR RWY 10 IS 3500MX45M.
3. TORA FOR RWY 28 IS 3500MX45M.
4. ALL OBSTACLES SHOWN IN THE CHART ARE BASED ON AERONAUTICAL OBSTACLES SURVEY MAY 2022.
5. MAG BEARING ROUNDED TO NEAREST DEGREE.
6. FEATURES SOURCE: ESRI TOPOGRAPHIC MAP.
7. MAG. DECLINATION AS PER EPOCH CHART 2010.
8. OBJECTS UNDER SR. NO. 18, 19, 25 & 26 HAVE BEEN REMOVED DURING THE COURSE OF THE SURVEY 16 JULY 2024 TO 19 JULY 2024.

ORDER OF ACCURACY
HORIZONTAL - 3.0m
VERTICAL - 1Ft

LEGEND	
AERODROME REFERENCE POINT (WGS 84) 15°44'32.997"N 073°52'01.238"E	
POLE, TOWER, ANTENNA, ETC.	
RAILWAY LINE	
TOWER LINE	
WATERBODY	
ROAD	
TREE	
TERRAIN	

AMENDMENT RECORDS

NO.	DATE	ENTERED BY

CONSULTANT:	ADL COORDINATES PVT. LTD.	Phone No.: 0253-2353407	
CLIENT:	GMR GOA INTERNATIONAL AIRPORT LTD.		
PROJECT:-	AERONAUTICAL SURVEY OF MANOHAR INTERNATIONAL AIRPORT		
TITLE:-	AERODROME OBSTACLE CHART-TYPE-B		
SCALE:-	1:20000	DRG.NO:-ADL/AV/Mopa Airport/Type B/66-24	
PERIOD OF SURVEY:-	INITIAL / FULL SURVEY :- 05 MAY 2022 TO 17 MAY 2022 CHECK SURVEY :- 16 JULY 2024 TO 19 JULY 2024		
SURVEYED BY	N.JAGTAP	VER. / REV. : 02/00	DATE : 6 AUG 2024
DRAWN BY	S.NIKAM		
CHECKED BY	D.WAGH		