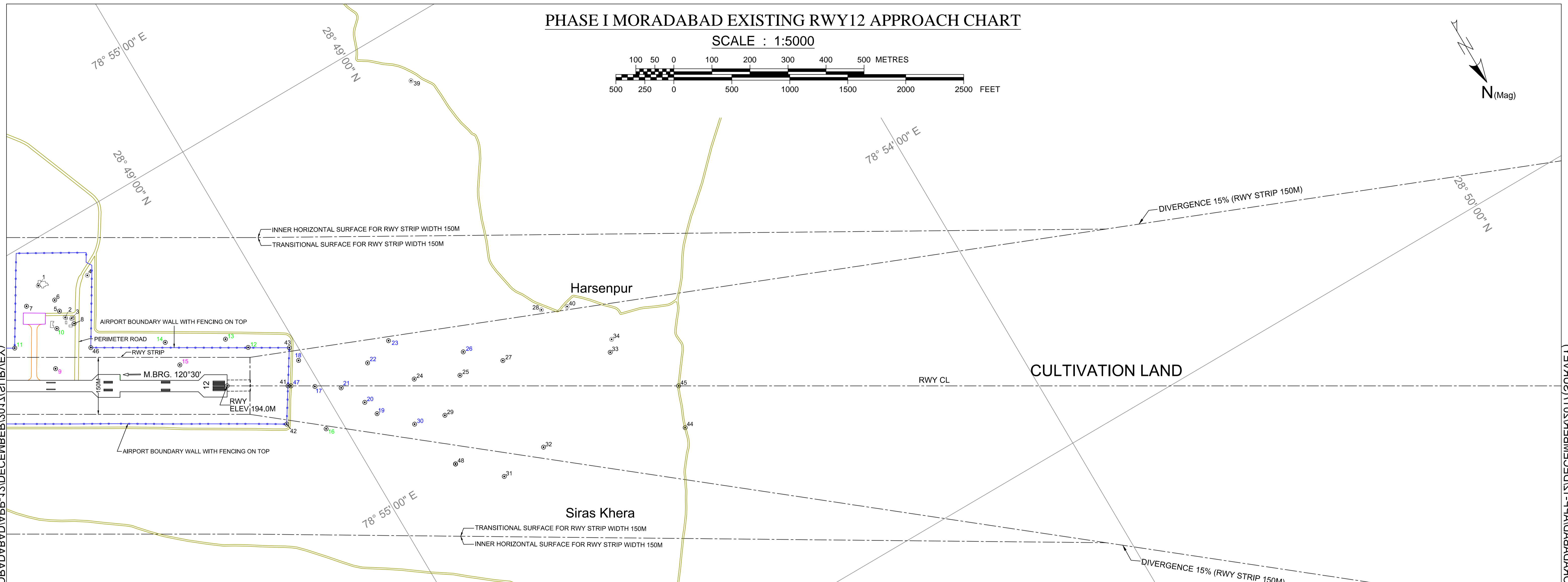
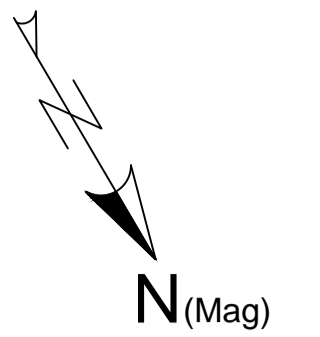
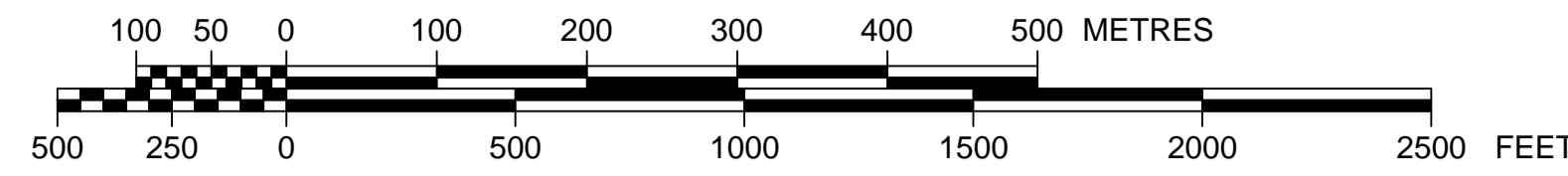


PHASE I MORADABAD EXISTING RWY12 APPROACH CHART

SCALE : 1:5000

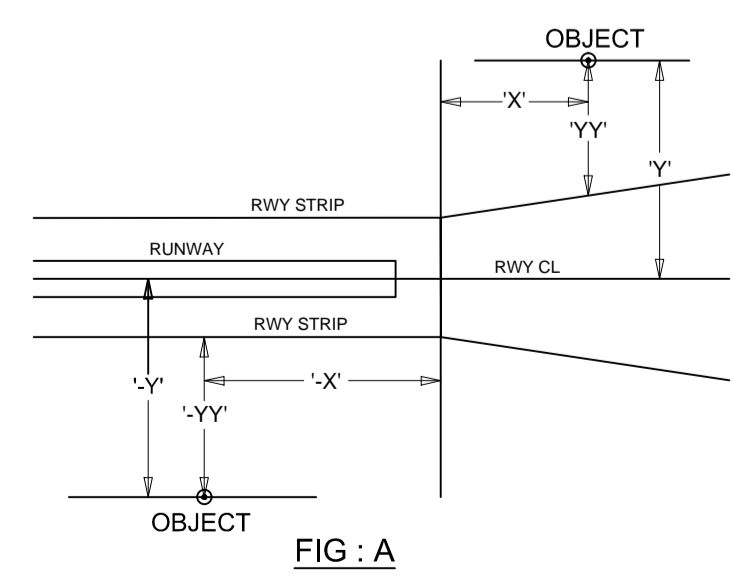


OBSTACLES TABLE OF RWY12 AT MORADABAD AIRPORT

S.NO	UID	OBJECT NAME	LATITUDE	LONGITUDE	TOP ELEVATION IN METRE (EGM-08)	DISTANCE FROM RWY STRIP IN M			AS PER RWY STRIP WIDTH 150M			W.R.T I.H.S / C.S / O.H.S	AGA Surfaces
						X	Y	YY	PERMISSIBLE TOP ELEV	OBST	PERMISSIBLE TOP ELEV		
1	5002	Building	28° 49' 03.576" N	078° 55' 18.661" E	197.4	-557	263	188	220.4	CLEAR	---	---	WITH IN T.S
2	5004	Building	28° 49' 07.069" N	078° 55' 17.965" E	197.3	-486	180	105	208.7	CLEAR	---	---	WITH IN T.S
3	5005	Building	28° 49' 07.423" N	078° 55' 17.465" E	197.3	-469	178	103	208.5	CLEAR	---	---	WITH IN T.S
4	5007	Building	28° 49' 04.937" N	078° 55' 14.053" E	196.0	-428	291	216	224.7	CLEAR	---	---	WITH IN T.S
5	5008	Electric Pole	28° 49' 06.369" N	078° 55' 18.189" E	200.4	-501	196	121	211.0	CLEAR	---	---	WITH IN T.S
6	5009	Electric Pole	28° 49' 05.343" N	078° 55' 17.991" E	200.2	-513	226	151	215.2	CLEAR	---	---	WITH IN T.S
7	5010	Electric Pole	28° 49' 04.581" N	078° 55' 20.649" E	200.0	-587	209	134	212.6	CLEAR	---	---	WITH IN T.S
8	5014	Electric Pole	28° 49' 07.915" N	078° 55' 17.536" E	200.3	-463	164	89	206.5	CLEAR	---	---	WITH IN T.S
9	5020	Group of Trees	28° 49' 10.436" N	078° 55' 21.300" E	202.9	-511	45	---	193.6	9.3	---	---	WITH IN RWY STRIP
10	5021	Group of Trees	28° 49' 07.532" N	078° 55' 19.214" E	207.1	-508	151	76	204.6	2.5	---	---	WITH IN T.S
11	5022	Electric Pole	28° 49' 07.151" N	078° 55' 23.691" E	198.8	-618	99	24	196.9	1.9	---	---	WITH IN T.S
12	5052	Group of Trees	28° 49' 17.215" N	078° 55' 04.167" E	204.8	-5	101	26	197.7	7.1	---	---	WITH IN T.S
13	5053	Group of Trees	28° 49' 15.624" N	078° 55' 05.652" E	211.7	-64	123	48	200.9	10.8	---	---	WITH IN T.S
14	5054	Group of Trees	28° 49' 13.248" N	078° 55' 10.845" E	200.6	-223	114	39	199.8	0.8	---	---	WITH IN T.S
15	5055	Group of Trees	28° 49' 15.539" N	078° 55' 10.734" E	198.7	-185	55	---	194.2	4.5	---	---	WITH IN RWY STRIP
16	5056	Group of Trees	28° 49' 26.388" N	078° 55' 01.660" E	204.1	200	-113	-8	199.1	5.0	---	---	WITH IN T.S
17	5057	Group of Trees	28° 49' 22.988" N	078° 55' 00.514" E	204.1	171	-2	---	197.4	6.7	---	---	WITH IN APP FUNNEL
18	5058	Group of Trees	28° 49' 20.357" N	078° 55' 00.596" E	203.0	128	67	---	196.6	6.4	---	---	WITH IN APP FUNNEL
19	5059	Group of Trees	28° 49' 27.682" N	078° 54' 56.664" E	204.4	334	-73	---	200.7	3.7	---	---	WITH IN APP FUNNEL
20	5060	Group of Trees	28° 49' 26.311" N	078° 54' 57.130" E	208.6	302	-43	---	200.0	8.6	---	---	WITH IN APP FUNNEL
21	5061	Group of Trees	28° 49' 24.224" N	078° 54' 58.386" E	202.9	240	-5	---	198.8	4.1	---	---	WITH IN APP FUNNEL
22	5062	Group of Trees	28° 49' 23.530" N	078° 54' 54.953" E	204.4	309	60	---	200.2	4.2	---	---	WITH IN APP FUNNEL
23	5063	Group of Trees	28° 49' 22.803" N	078° 54' 52.111" E	205.5	364	119	---	201.3	4.2	---	---	WITH IN APP FUNNEL
24	5064	Group of Trees	28° 49' 26.746" N	078° 54' 51.854" E	200.9	432	18	---	202.6	CLEAR	---	---	WITH IN APP FUNNEL
25	5065	Group of Trees	28° 49' 28.450" N	078° 54' 47.850" E	201.1	552	28	---	205.0	CLEAR	---	---	WITH IN APP FUNNEL
26	5066	Group of Trees	28° 49' 26.867" N	078° 54' 46.420" E	207.6	561	89	---	205.2	2.4	---	---	WITH IN APP FUNNEL
27	5067	Group of Trees	28° 49' 29.224" N	078° 54' 43.540" E	205.5	665	66	---	207.3	CLEAR	---	---	WITH IN APP FUNNEL
28	5068	Building	28° 49' 27.162" N	078° 54' 43.825" E	200.2	766	200	10	210.7	CLEAR	---	---	WITH IN T.S
29	5069	Group of Trees	28° 49' 30.740" N	078° 54' 51.080" E	202.5	512	-78	---	204.2	CLEAR	---	---	WITH IN APP FUNNEL
30	5070	Group of Trees	28° 49' 30.076" N	078° 54' 54.044" E	208.4	433	-101	---	202.7	5.7	---	---	WITH IN APP FUNNEL
31	5071	Group of Trees	28° 49' 37.810" N	078° 54' 49.132" E	209.3	668	-238	-63	216.4	CLEAR	---	---	WITH IN T.S
32	5072	Group of Trees	28° 49' 37.361" N	078° 54' 44.406" E	203.5	772	-161	---	209.4	CLEAR	---	---	WITH IN APP FUNNEL
33	5073	Electric Pole	28° 49' 33.262" N	078° 54' 34.165" E	194.5	947	88	---	212.9	CLEAR	---	---	WITH IN APP FUNNEL
34	5074	Building	28° 49' 32.371" N	078° 54' 33.408" E	196.3	951	122	---	213.0	CLEAR	---	---	WITH IN APP FUNNEL
35	5102	Mobile Tower	28° 50' 14.020" N	078° 54' 30.897" E	232.1	1660	-948	---	---	239.2	CLEAR	---	WITH IN I.H.S
36	5103	Mobile Tower	28° 50' 14.381" N	078° 54' 30.467" E	222.7	1676	-952	---	---	239.2	CLEAR	---	WITH IN I.H.S
37	5104	Mobile Tower	28° 50' 13.391" N	078° 54' 32.166" E	232.9	1621	-949	---	---	239.2	CLEAR	---	WITH IN I.H.S
38	5105	Mobile Tower	28° 50' 13.408" N	078° 54' 17.142" E	233.1	1972	-742	---	---	239.2	CLEAR	---	WITH IN I.H.S
39	5117	Building	28° 49' 04.647" N	078° 54' 37.435" E	192.6	423	802	---	---	239.2	CLEAR	---	WITH IN I.H.S
40	5121	Building	28° 49' 28.030" N	078° 54' 35.511" E	200.6	834	209	9	212.0	CLEAR	---	---	WITH IN T.S
41	5126	Airport B.Wall With F.T	28° 49' 21.771" N	078° 55' 02.727" E	194.3	100	0	---	196.0	CLEAR	---	---	WITH IN T.S
42	5127	Airport B.Wall With F.T	28° 49' 24.527" N	078° 55' 04.720" E	194.0	96	-101	-11	197.5	CLEAR	---	---	WITH IN T.S
43	5128	Airport B.Wall With F.T	28° 49' 19.019" N	078° 55' 00.739" E	193.5	103	100	10	197.5	CLEAR	---	---	WITH IN T.S
44	5129	Mobile Road Traffic (Road Elev.+Traffic) 190.1+5=195.1	28° 49' 42.060" N	078° 54' 31.614" E	196.1	1144	-110	---	216.9	CLEAR	---	---	WITH IN APP FUNNEL
45	5130	Mobile Road Traffic (Road Elev.+Traffic) 190.3+5=195.3	28° 49' 38.697" N	078° 54' 30.109" E	196.3	1127	0	---	216.5	CLEAR	---	---	WITH IN APP FUNNEL
46	5131	Airport B.Wall With F.T	28° 49' 10.413" N	078° 55' 17.312" E	194.5	-418	101	26	197.6	CLEAR	---	---	WITH IN T.S
47	5134	Mobile Road Traffic (Road Elev.+Traffic) 191.0+5=196.0	28° 49' 21.901" N	078° 55' 02.476" E	197.0	108	0	---	196.2	0.8	---	---	WITH IN APP FUNNEL
48	1001	PACS	28° 49' 34.784" N	078° 54' 52.589" E	193.0	540	-206	-50	211.9	CLEAR	---	---	WITH IN T.S

NOTE :-

1. PERMISSIBLE TOP ELEVATION CALCULATED WITH PERMISSIBLE SLOPE 1:50 UP TO 3000M & 1:40 FROM 3000 TO 6600M.
2. 'X' DENOTES HORIZONTAL DISTANCE FROM RWY STRIP TO OBJECT ALONG WITH CENTRE LINE OF RWY AS SHOWN IN FIG 'A'
3. 'Y' DENOTES LATERAL DISTANCE FROM EXTENDED CENTRE LINE OF RWY TO OBJECT AS SHOWN IN FIG 'A'
4. 'YY' DENOTES LATERAL DISTANCE FROM EDGE OF APPROACH FUNNEL / RWY STRIP TO OBJECT AS SHOWN IN FIG 'A'
5. ○ MARKED IN COLUMN SR.No DENOTES OBJECT FORMING OBSTACLE AND FALLING WITH IN APPROACH FUNNEL / RWY STRIP.
6. □ MARKED IN COLUMN SR.No DENOTES OBJECT FORMING OBSTACLE AND LYING OUTSIDE APPROACH FUNNEL / RWY STRIP.
7. ALL DISTANCE & ELEVATIONS ARE IN METRES (EGM2008).
8. ALL CO-ORDINATES ARE IN WGS-84 SYSTEM.



CODE	ABBREVIATION
I.H.S	INNER HORIZONTAL SURFACE
T.S	TRANSITIONAL SURFACE
W.R.T	WITH REFERENCE TO

CLIENT :- Kitco Ltd.

PROJECT :- OBSTACLE SURVEY OF MORADABAD AIRPORT

TITLE :- PHASE I MORADABAD EXISTING RWY12 APPROACH CHART

DRG.NO :- MORADABAD/APP-12 /DEC-2017	REV. 0	CONSULTANTS :-	IIC TECHNOLOGIES LIMITED 6-3-350/5-22, Road No. 3, Banjara Hills, Hyderabad - 500 034, TS, India Ph: +91 40 6791 4444 Fax: +91 40 6791 4455 Web: www.iictechnologies.com
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PERIOD OF SURVEY :- 13-11-17 TO 02-12-17
DRG.NO:- MORADABAD / APP-12 /DEC/ 2017 (SURVEY)