



Permissible Obstacle Height Report : LATMA ROAD - A (Ranchi)

Restrictions as per GOI Gazette Notification Dated Jan 14,2010

Obstacle Data	
Site Name	LATMA ROAD
Site Address	Building of Mr Arif Ansari AT- Welcom Vihar, Ward No.-04, Latma road, Hesa Hatia, Ranchi - 03
Coordinates (WGS 84)	23 17 53.92 N 85 19 44.11 E
AMSL (m)	634

Airport Details	
Name	Ranchi
ARP Coordinates (WGS84)	23 18 51.3 N 85 19 15.8 E
AMSL (m)	654.53

Runway Details							
AIRPORT	Designator	Dimension (m)	THR Geo Coord.	THR. AMSL (m)	Category	Instrument / Non Instrument	Precision / Non Precision Approach
Ranchi	13	2713 x 45	23 19 15.5 N 85 18 49.8 E	652.57	4	Instrument	Non Precision
	31	2713 x 45	23 18 24.1 N 85 19 54.2 E	632.46	4	Instrument	Precision

Airport NAV & COM Aids				
Type of Aid	Coordinates	Elevation AMSL (m)	Distance (m)	
DVOR / DME	23 18 31.3 N 85 19 35.8 E	650.75	1170	
LLZ 31	23 19 27.2 N 85 18 34.8 E	652.5	3480	
GP 31 / DME	23 18 31.9 N 85 19 57.5 E	648.61	1230	

Calculation Details

Restrictions	Applicability	Permissible Elevation (m) AMSL
Approach	Not Applicable	-
Take Off	Not Applicable	-
Transitional	Not Applicable	-
Inner Horizontal Surface	Applicable	699.53
Conical Surface	Not Applicable	-
Outer Horizontal Surface	Not Applicable	-
PANS Ops OLS	Not Applicable	-
LLZ 23	Not Applicable	-
GP23 / DME	Applicable	680.80
NAV Aid (DVOR / DME)	Applicable	681.37

Permissible Elevation (m) 680.80

Permissible Height AGL (m) 46.80

Recommended Height AGL (m) 40

Conclusion : A 40m GBT Tower could be constructed

Report Prepared By: Nitin Jain

Date : 25-Jul-12