

Gautam Buddha International Airport Civil Aviation Office  
Siddharthanagar Municipality-4, Rupandehi  
Civil Engineering Division  
Obstacle Height Calculation Sheet

A. General Information		
1	Obstacle Calculation ID	1
2	Fiscal Year	7980
3	Obstacle Type	Building
4	Owner's Name	Mohan Thapa
5	Address	Siddhartha Municipality - 6, Durga colony
6	Plot number	86
7	Nearest Plot Coordinate	27.4998638888889, 83.4430611111111
8	Runway Coordinate	27.50248333, 83.42576389
9	Distance from RWY to Obstacle	1734.17 m
B. Elevation of Proposed obstacle		
10	RL of Plinth (AMSL)	106 m
11	Height of obstacle above Plinth	6.35 m
12	Maximum Elevation of Obstacle (AMSL)	112.350 m
C. Allowable Elevation of Obstacle		
13	RL of RWY (AMSL)	105.643 m
14	Obstacle lying in surface	TAKE-OFF CLIMB SURFACE 28
15	Surface height above RWY	28.679 m
16	Allowable Maximum Obstacle Elevation	$105.643 + (2\% * (1433.963)) = 134.322$
17	Hence, Maximum Permitted height of obstacle	112.350 m
D. Reference		
18	Runway Classification	Precision Approach Category II or III Code No 4E
19	Airport	VNBW
20	Docs referred	OLS Chart of ICAO Annex-14 Volume I, Chapter 4 and CAR-14

E. Google Earth Image showing RWY to Obstacle position

