

SEPTIC TANK CALCULATION (BLOCK-A)+B

TOTAL NO. OF PERSONS = 816 NOS
 REQUIRED @ 112 CUM / PERSON = $780 \times 112 = 87.36$ CUM.
 PROVIDED SEPTIC TANK OF SIZE
 5.00X3.00X1.8 = 27.00 CUM.
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 5.00X3.00X1.8 = 27.00 CUM.
 TOTAL = 81.00 CUM.

PARKING AREA CALCULATION

TOTAL (BLOCK-A+BLOCK-B) BUILDUP AREA = 1298.04 SQ.M
 TOTAL REQUIRED PARKING AREA @ 25% OF 1298.04 SQ.M = 324.26 SQ.M
 TOTAL PARKING AREA PROVIDED =
 (1) BLOCK A = 92.78 SQ.M (IN LOWER GROUND)
 (2) BLOCK B = 424.88 SQ.M (IN UPPER GROUND)
 (3) BLOCK B = 1023.79 SQ.M (IN LOWER GROUND)
 (4) BLOCK B = 917.74 SQ.M (IN UPPER GROUND)
 PROVIDED PARKING IN BASEMENT AND GROUND
 TOTAL = 952.78 + 424.88 + 1023.79 + 917.74 = 3319.19 SQ.M PROVIDED

PLANTATION AREA CALCULATION

TOTAL PLOT AREA = 12985.4 SQ.M
 TOTAL REQUIRED PLANTATION AREA @ 10% OF 12985.4 SQ.M = 1298.54 SQ.M
 TOTAL LANDSCAPING AREA PROVIDED = 1985.77 SQ.M

WATER HARVESTING CALCULATION (BLOCK-A+BLOCK-B)

TERRACE AREA = 1695.60 SQ.M
 REQUIRED WITH CAPACITY 8 CUM FOR 100 SQ.M TERRACE AREA
 TOTAL TERRACE = 1769.25 SQ.M
 REQUIRED WATER HARVESTING 1695.60 X 8 / 100 = 101.43 CUM
 PROVIDED WATER HARVESTING SIZE
 2.5 X 2.5 X 5.00 = 31.25 CUM X 7 NOS = 218.75 CUM.
 TOTAL PROVIDED = 218.75 CUM.

WATER TANK CALCULATION (BLOCK-A)

TOTAL NO. OF FLAT = 56 NOS
 NO. OF PERSONS @ 5 PERSONS / FLAT = $5 \times 56 = 280$ PERSONS
 TAKING 20% EXTRA = $(280 \times 20 / 100) = 56$ PERSONS
 TOTAL NO. OF PERSONS = 280 + 56 = 336
 WATER NEEDED @ 135 LTR / PERSON = $135 \times 336 = 45360$ LTRS
 ADDING LTRS FOR FIRE = 2500 LTRS
 TOTAL REQUIRED LTRS = $45360 + 2500 = 47860$ CUM = 7.31 CUM
 PROVIDED WATER TANK SIZE
 9.50X2.13X1.80 = 36.42 CUM
 9.50X2.13X1.80 = 36.42 CUM
 TOTAL PROVIDED = 72.84 CUM

WATER TANK CALCULATION (BLOCK-B)

TOTAL NO. OF FLAT = 80 NOS
 NO. OF PERSONS @ 5 PERSONS / FLAT = $5 \times 80 = 400$ PERSONS
 TAKING 20% EXTRA = $(400 \times 20 / 100) = 80$ PERSONS
 TOTAL NO. OF PERSONS = 400 + 80 = 480
 WATER NEEDED @ 135 LTR / PERSON = $135 \times 480 = 64800$ LTRS
 ADDING LTRS FOR FIRE = 2500 LTRS
 TOTAL REQUIRED LTRS = $64800 + 2500 = 67300$ CUM = 8.90 CUM
 PROVIDED WATER TANK SIZE
 10.50X2.80X1.80 = 47.25 CUM
 10.50X2.80X1.80 = 47.25 CUM
 TOTAL PROVIDED = 94.50 CUM

FIRE LEGEND

- 1. HYDRANT OUTLET VALVE
- 2. FIRE ALARM
- 3. EXISTING WATER TANK
- 4. EXISTING WATER TANK WITH 25000 LTR (EQUIV. BULK)
- 5. EXISTING WATER TANK WITH 25000 LTR (EQUIV. BULK)
- 6. EXISTING WATER TANK WITH 25000 LTR (EQUIV. BULK)
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- 100. EXISTING WATER TANK WITH 25000 LTR (EQUIV. BULK)

AREA CALCULATION

TOTAL PLOT AREA AS PER DEED = 7787.38 SQ.M
 TOTAL PLOT AREA AS PER SITE = 3755.73 SQ.M

BLOCK-A

LOWER GROUND FL BUILDUP AREA = 56.91 SQ.M
 UPPER GROUND FL BUILDUP AREA = 182.37 SQ.M
 1ST FLOOR BUILDUP AREA = 14.11 SQ.M
 2ND FLOOR BUILDUP AREA = 714.15 SQ.M
 3RD FLOOR BUILDUP AREA = 714.15 SQ.M
 4TH FLOOR BUILDUP AREA = 714.15 SQ.M
 5TH FLOOR BUILDUP AREA = 714.15 SQ.M
 6TH FLOOR BUILDUP AREA = 714.15 SQ.M
 7TH FLOOR BUILDUP AREA = 714.15 SQ.M
 8TH FLOOR BUILDUP AREA = 714.15 SQ.M
 TOTAL BUILDUP AREA = 5345.47 SQ.M
 PER FLOOR BAL AREA (2ND TO 7TH) = $48.4 \times 36 = 278.88$ SQ.M
 TOTAL BUILDUP AREA INCLUDING 50% BAL = 5484.91 SQ.M

BLOCK-B

LOWER GROUND FL BUILDUP AREA = 60.79 SQ.M
 UPPER GROUND FL BUILDUP AREA = 30.09 SQ.M
 1ST FLOOR BUILDUP AREA = 901.45 SQ.M
 2ND FLOOR BUILDUP AREA = 901.45 SQ.M
 3RD FLOOR BUILDUP AREA = 901.45 SQ.M
 4TH FLOOR BUILDUP AREA = 901.45 SQ.M
 5TH FLOOR BUILDUP AREA = 901.45 SQ.M
 6TH FLOOR BUILDUP AREA = 901.45 SQ.M
 7TH FLOOR BUILDUP AREA = 901.45 SQ.M
 8TH FLOOR BUILDUP AREA = 901.45 SQ.M
 TOTAL BUILDUP AREA = 7302.86 SQ.M
 PER FLOOR BAL AREA (2ND TO 7TH) = $58.38 \times 36 = 2101.08$ SQ.M
 TOTAL BUILDUP AREA INCLUDING 50% BAL = 7506.13 SQ.M

(BLOCK-A)+(BLOCK-B)

5484.91 SQ.M + 7506.13 SQ.M
 TOTAL BUILDUP AREA = 12985.04 SQ.M

F.A.R. = $12985.04 \text{ SQ.M} / 3755.73 \text{ SQ.M} = 3.43$

F.A.R. = 3.43

PROPOSED RESIDENTIAL BUILDING FOR
 HAYWOOD REAL ESTATE PRIVATE LIMITED
 PROJECT NAME - HAYWOOD HEIGHTS

PLOT DETAIL -
 MAUZA - TURIKHURD,
 THANA NO - 423,
 THANA - BODH GAYA,
 KHATA NO - 34,
 SURVEY PLOT NO - 529,
 DISTT - GAYA

SCALE	1:100 1:200	NORTH	DRAWING NO 1/1
Er. Shailesh Ranjan Reg. No. 15558-19 15/06/2019-19 B.A.P. Bodh Gaya		Er. Shailesh Ranjan Reg. No. 15558-19 15/06/2019-19 B.A.P. Bodh Gaya	
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