

AREA CALCULATION SHEET AS PER APPROVED LAYOUT PLAN

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY/EXIT APPROACH TO MY OWN ECO ENERGY PVT. LIMITED RETAIL OUTLET ON KUSHINAGAR TO HATA ROAD NH-27 (OLD NH-28), IN KM NO. 310 (CH. NO. 309.915, LHS) AT KHASRA NO.- 2MI, 31, 3MI & 4MI, VILLAGE:- CHHAPRA BHAGAT, TEHSIL:- HATA, DISTRICT:- KUSHINAGAR (U.P.)

Entry Area approach to Retail Outlet

$$\begin{aligned} &= AA1A2 + A1A2A3B4 + A3B3B4 + B1B3B4 + B1B2B3 + BB1B2 \\ &= \{1/2 \times (40.0m \times 5.5m)\} + (21.20873m \times 5.5m) + \{1/2 \times (8.7284m \times 5.5m)\} + \{1/2 \times (9.65069m \times 7.3m)\} + \{1/2 \times (8.03095m \times 9.5m)\} + \{1/2 \times (7.64623m \times 10.6m)\} \\ &= 110.0 \text{ SqM} + 116.648 \text{ SqM} + 24.003 \text{ SqM} + 35.225 \text{ SqM} + 38.147 \text{ SqM} + 40.525 \text{ SqM} \\ &= 364.548 \text{ SqM} \end{aligned}$$

Area of Earthen Shoulder along Entry approach to Retail Outlet

$$\begin{aligned} &= AA2G1G + G1G2B4A2 + G2B4B1 \\ &= (40.0m \times 2.25m) + (21.14623m \times 2.25m) + \{1/2 \times (12.98756m \times 2.25m)\} \\ &= 90.0 \text{ SqM} + 47.579 \text{ SqM} + 14.611 \text{ SqM} \\ &= 152.19 \text{ SqM} \end{aligned}$$

Area in Between Entry & Exit (Separator)

$$\begin{aligned} &= A1EB + BCEF + D3FC \\ &= [41.5m \times 12.75m] - \{3.14 \times (41.5m \times 12.75m)/4\} + (12.0m \times 12.75m) + \{[(71.5m \times 12.75m) - \{3.14 \times (71.5m \times 12.75m)/4\}]\} \\ &= 113.761 \text{ SqM} + 153.0 \text{ SqM} + 195.999 \text{ SqM} \\ &= 462.76 \text{ SqM} \end{aligned}$$

Area of Exit approach from Retail Outlet

$$\begin{aligned} &= DD1D2 + D1D2D4D3 + D3D4C4C5 + C3C4C5 + C1C3C4 + C1C2C3 + CC1C2 \\ &= \{1/2 \times (30.0m \times 5.5m)\} + (10.0m \times 5.5m) + (51.96673m \times 5.5m) + \{1/2 \times (8.01128m \times 5.5m)\} + \{1/2 \times (8.57042m \times 7.3m)\} + \{1/2 \times (8.14353m \times 8.5m)\} + \{1/2 \times (5.41879m \times 11.5m)\} \\ &= 82.5 \text{ SqM} + 55.0 \text{ SqM} + 285.817 \text{ SqM} + 22.031 \text{ SqM} + 31.282 \text{ SqM} + 34.61 \text{ SqM} + 31.158 \text{ SqM} \\ &= 542.398 \text{ SqM} \end{aligned}$$

Area of Earthen Shoulder along Exit approach from Retail Outlet

$$\begin{aligned} &= HH1D2D + H1H2D2D4 + H2H3D4C4 + C1C4H3 \\ &= (30.0m \times 2.25m) + (10.0m \times 2.25m) + (51.94489m \times 2.25m) + \{1/2 \times (11.40267m \times 2.25m)\} \\ &= 67.5 \text{ SqM} + 22.5 \text{ SqM} + 116.876 \text{ SqM} + 12.828 \text{ SqM} \\ &= 219.704 \text{ SqM} \end{aligned}$$

Total Protected Forest Area Proposed to be Diverted

= 364.548 (Entry Area) SqM + 152.19 (Entry Earthen shoulder) SqM + 462.76 (Separator) SqM +
542.398 (Exit Area) SqM + 219.704 (Exit Earthen shoulder) SqM
= 1741.6 SqM
= **0.17416 Ha.**

Total Area of Non-Forest Land as per Layout Plan

Private land area calculation =

= area of square shape plot = {side(m) x side(m)}

= (35.0m x 35.0m) = 1225.0 SqM

So, total area of non-forest land is = **0.1225 Ha.**

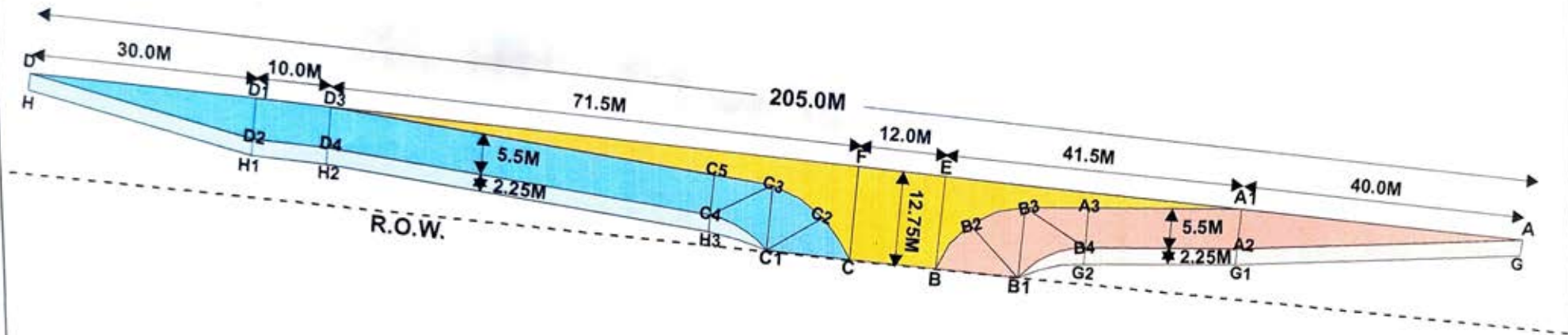


(Authorized Signatory)

My Own Eco Energy Pvt. Limited.

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