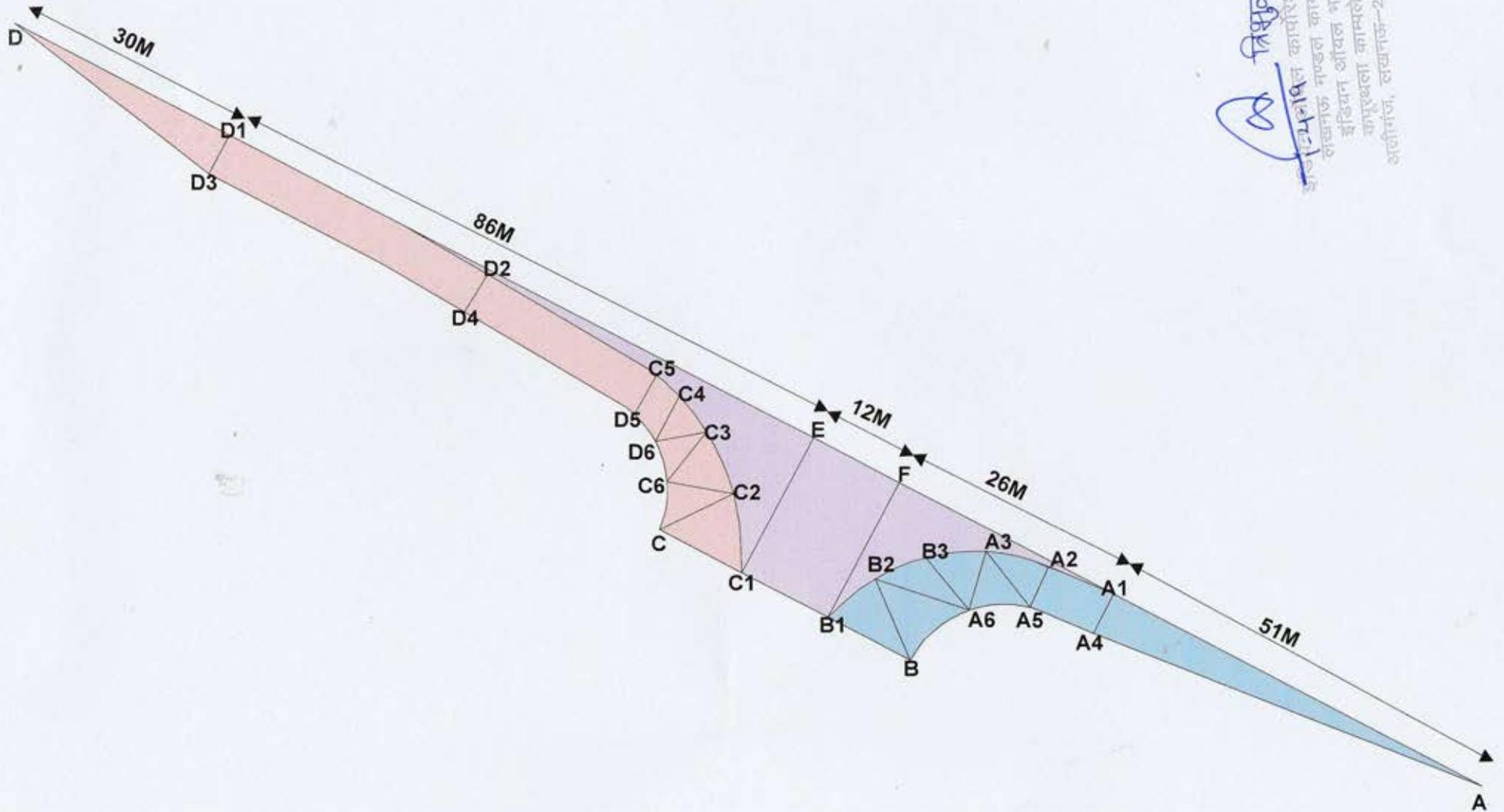


Area Calculation Sheet

Proposed Protected Forest Land for IOCL Retail Outlet on Lucknow – Faizabad Road NH-28 (New NH-27), in Km 42 – 43 (Ch.42.434 RHS), At Khasra No.- 207mi & 208mi, Village – Pyarepur Saraiya, Tehsil – Nawabganj, District - Barabanki (U.P).

(Signature)
श्री प्रियंका पांडेय
20/04/19
लखनऊ नगर कार्यलय
लखनऊ नगर कार्यलय
इंडियन ऑयल भवन
कपूरथला काम्प्लेक्स
अलीगंज, लखनऊ-226 020



Area Calculation Sheet as per Approved Layout Plan

Proposed Protected Forest Land IOCL Retail Outlet on Lucknow – Faizabad Road NH-28 (New NH-27), in Km 42 – 43 (Ch.42.434 RHS), At Khasra No.- 207mi & 208mi, Village – Pyarepur Saraiya, Tehsil – Nawabganj, District - Barabanki (U.P).

Entry Area approach to Retail Outlet

$$\begin{aligned} &= A A1 A2 + A1 A2 A3 A4 + A3 A4 A5 B5 + B4 B5 A5 + B3 B4 A5 + B2 B3 B4 + \\ &B B2 B3 + B B1 B2 \\ &= \{1/2 \times (51.7673m \times 5.5m)\} + (8.5691m \times 5.5m) + \{1/2 \times (8.54182m \times 5.5m)\} + \{1/2 \times \\ &(6.4958m \times 7.569m)\} + \{1/2 \times (7.444m \times 7.5.7m)\} + \{1/2 \times (8.423m \times 6.765m)\} + \\ &\{1/2 \times (9.2462m \times 9.697m)\} + \{1/2 \times (7.167m \times 11.5m)\} \\ &= 142.36 \text{ SqM} + 47.13 \text{ SqM} + 23.49 \text{ SqM} + 24.58 \text{ SqM} + 27.94 \text{ SqM} + 28.49 \text{ SqM} \\ &+ 44.83 \text{ SqM} + 41.21 \text{ SqM} \\ &= 380.03 \text{ SqM} \end{aligned}$$

Area in Between Entry & Exit

$$\begin{aligned} &= A1 F B1 + B1 C1 E F + C1 E D1 \\ &= [(24.288m \times 24.288m) - \{3.14 \times (24.288m \times 24.288m) / 4\}] + (12.0m \times 19.0m) + \\ &(30.2432m \times 30.2432m) - \{3.14 \times (30.2432m \times 30.2432m) / 4\}] \\ &= 126.83 \text{ SqM} + 228 \text{ SqM} + 196.65 \text{ SqM} \\ &= 551.48 \text{ SqM} \end{aligned}$$

Area of Exit approach from Retail Outlet

$$\begin{aligned} &= CC1C2 + CC2C6 + C2C3C6 + C3C6D6 + C3C4D6 + C4C5D5D6 + D2D4D5C5 + \\ &D1D2D3D4 + DD1D2 \\ &= \{1/2 \times (8.5687m \times 11.5m)\} + \{1/2 \times (7.8678m \times 6.111m)\} + \{1/2 \times (7.231m \times 8.53m)\} + \\ &\{1/2 \times (6.07m \times 5.206m)\} + \{1/2 \times (5.9422m \times 5.604m)\} + (4.0891m \times 5.5m) + \\ &(24.5455m \times 5.5m) + (36.1473m \times 5.5m) + \{1/2 \times (30m \times 5.5m)\} \\ &= 49.27 \text{ SqM} + 24.04 \text{ SqM} + 30.84 \text{ SqM} + 15.8 \text{ SqM} + 16.65 \text{ SqM} + 22.49 \text{ SqM} + \\ &135.0 \text{ SqM} + 198.81 \text{ SqM} + 82.5 \text{ SqM} \\ &= 575.40 \text{ SqM} \end{aligned}$$

Total Forest Area Proposed to be Diverted

$$\begin{aligned} &= 380.03 \text{ (Entry Area) SqM} + 551.48 \text{ (Separator) SqM} + 575.40 \text{ (Exit Area) SqM} \\ &= 1506.91 \text{ SqM} \\ &= 0.150691 \text{ Ha.} \end{aligned}$$

Total Area of Non Forest Land as per Layout Plan

$$\begin{aligned} &= 35.00m \times 45.00m \\ &= 1575 \text{ SqM} = 0.16 \text{ Ha.} \end{aligned}$$


1-4-19
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