

Area Calculation Sheet as per Approved Layout Plan

Proposed Protected Forest Land to be diverted for Entry/Exit of IOCL Retail Outlet on Lucknow - Faizabad Road, NH-28 (New NH-27), In KM. No. 70, (CH. No. 69.562, LHS), At Khasra No.- 1692 & 1693, Village – Ashrafpur Gangrela, Tehsil – Rudauli, District - Ayodhya (Faizabad) (U.P)

Entry Area approach to Retail Outlet

$$\begin{aligned} &= A A1 A2 + A1 A2 A3 B2 + A3 A4 B2 B3 + B3 B4 A4 + B4 A4 A5 + B4 B5 A5 + B B1 B5 \\ &+ B B1 B5 \\ &= \{1/2 \times (51.5m \times 5.5m)\} + (10.91564m \times 5.5m) + (6.46255m \times 5.5m) + \{1/2 \times (7.3223m \times 6.56m)\} \\ &+ \{1/2 \times (8.1986m \times 5.408m)\} + \{1/2 \times (8.82612m \times 6.694m)\} + \{1/2 \times (9.5659m \times 5.137m)\} + \\ &\{1/2 \times (6.624m \times 11.50m)\} \\ &= 141.625 \text{ SqM} + 60.036 \text{ SqM} + 35.544 \text{ SqM} + 24.017 \text{ SqM} + 22.169 \text{ SqM} + 29.541 \text{ SqM} + \\ &24.57 \text{ SqM} + 38.088 \text{ SqM} \\ &= 375.59 \text{ SqM} \end{aligned}$$

Area in Between Entry & Exit

$$\begin{aligned} &= A1 E B1 + B1 C1 E F + C1 F D1 \\ &= [(24.51037m \times 24.51037m) - \{3.14 \times (24.51037m \times 24.51037m)/4\}] + (12.0m \times 19.0m) + \\ &(30.81505m \times 30.81505m) - \{3.14 \times (30.81505m \times 30.81505m)/4\}] \\ &= 129.163 \text{ SqM} + 228.0 \text{ SqM} + 204.157 \text{ SqM} \\ &= 561.32 \text{ SqM} \end{aligned}$$

Area of Exit approach from Retail Outlet

$$\begin{aligned} &= DD1D2 + D1D2C2D3 + D3D4C3C2 + C3C4D5D4 + C4C5D5 + D5D6C5 + C5C6D6 + \\ &CC6D6 + CC1C6 \\ &= \{1/2 \times (5.5m \times 30.0m)\} + (52.72425m \times 5.5m) + (7.88255m \times 5.5m) + (5.12473m \times 5.5m) \\ &+ \{1/2 \times (6.17256m \times 7.835m)\} + \{1/2 \times (6.128m \times 6.8574m)\} + \{1/2 \times (7.30463m \times 8.105m)\} + \\ &\{1/2 \times (9.62073m \times 5.21m)\} + \{1/2 \times (5.49061m \times 11.5m)\} \\ &= 82.50 \text{ SqM} + 289.983 \text{ SqM} + 43.354 \text{ SqM} + 28.186 \text{ SqM} + 24.181 \text{ SqM} + 21.011 \text{ SqM} + \\ &29.602 \text{ SqM} + 25.062 \text{ SqM} + 31.571 \text{ SqM} \\ &= 575.45 \text{ SqM} \end{aligned}$$

Total Forest Area Proposed to be Diverted

$$\begin{aligned} &= 375.59 \text{ (Entry Area) SqM} + 561.32 \text{ (Separator) SqM} + 575.45 \text{ (Exit Area) SqM} \\ &= 1512.36 \text{ SqM} \\ &= 0.151236 \text{ Ha.} \end{aligned}$$

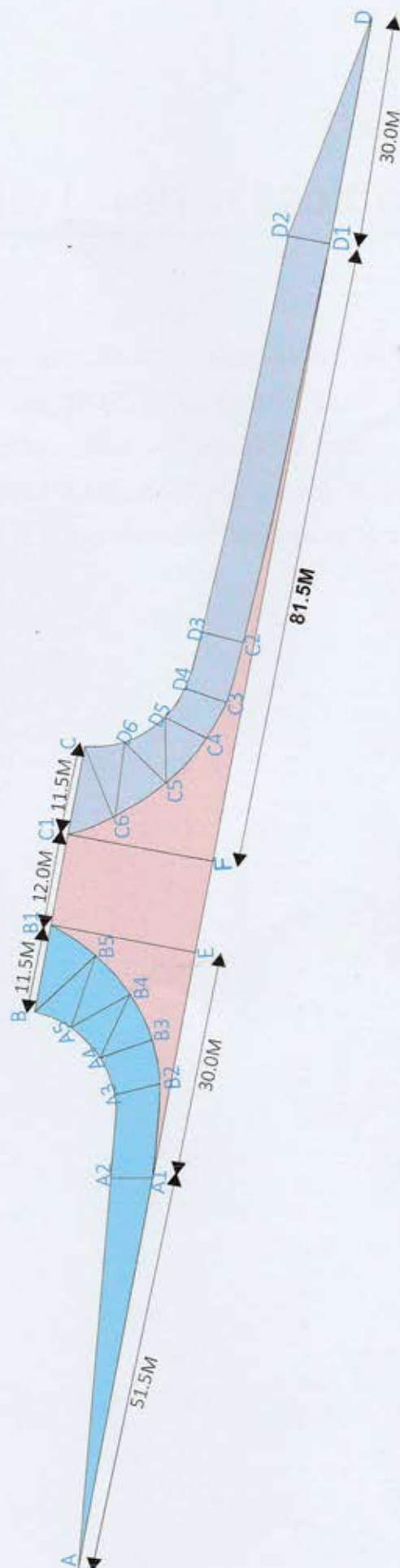
Total Area of Non Forest Land as per Layout Plan

$$\begin{aligned} &= 35.00m \times 45.00m \\ &= 1575 \text{ SqM} \\ &= 0.1575 \text{ Ha.} \end{aligned}$$

Authorized Signatory
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गोरखपुर, गोरखपुर
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