

Area Calculation Sheet as per Approved Layout Plan

Proposed IOCL Retail Outlet on Pratapgarh – Faizabad Road NH No.330 (Old NH-96),
IN KM No. 59 (CH.NO. 58.793, LHS) Khasra No. 02, At Village- Karista,
Tehsil – Patti, District- Pratapgarh (U.P)

Entry Area approach to Retail Outlet

$$\begin{aligned} &= B B2 E + B B1 B3 B2 \\ &= [(13.0m \times 13.0m) - \{3.14 \times (13.0m \times 13.0m)/4\}] + (10.86m \times 11.5m) \\ &= 36.34 \text{ SqM} + 124.89 \text{ SqM} \\ &= 161.23 \text{ SqM} \end{aligned}$$

Area of Middle Separator

$$\begin{aligned} &= B1 C1 C2 B3 \\ &= (10.86m \times 12.0m) \\ &= 130.32 \text{ SqM} \\ &= 130.32 \text{ SqM} \end{aligned}$$

Area of Exit approach from Retail Outlet

$$\begin{aligned} &= C C1 C2 C3 + C C3 F \\ &= (10.86m \times 11.5m) + [(13.0m \times 13.0m) - \{3.14 \times (13.0m \times 13.0m)/4\}] \\ &= 124.89 \text{ SqM} + 36.34 \text{ SqM} \\ &= 161.23 \text{ SqM} \end{aligned}$$

Area of Chevron Marking

$$\begin{aligned} &= A1 A4 A5 + A4 A5 D4 D5 + B1 C1 C2 B3 + D1 D4 D5 \\ &= (1/2 \times 24.0m \times 3.0m) + (811.0m \times 3.0m) + (1/2 \times 70.0m \times 3.0m) \\ &= 36.0 \text{ SqM} + 2433.0 \text{ SqM} + 105.0 \text{ SqM} \\ &= 2574.0 \text{ SqM} \end{aligned}$$

Area of Proposed Service Road

$$\begin{aligned} &= A A1 A2 + A1 A2 A3 A4 + A3 A4 D3 D4 + D1 D2 D3 D4 + D D1 D2 \\ &= (1/2 \times 46.0m \times 5.5m) + (24.25455m \times 5.5m) + (811.0m \times 5.5m) + (70.0m \times 5.5m) + (1/2 \times 30.0m \times 5.5m) \\ &= 126.5 \text{ SqM} + 133.4 \text{ SqM} + 4460.5 \text{ SqM} + 385.0 \text{ SqM} + 82.5 \text{ SqM} \\ &= 5187.9 \text{ SqM} \end{aligned}$$

Total Forest Area Proposed to be Diverted

$$\begin{aligned} &= (161.23 + 130.32 + 161.23 + 2574.0 + 5187.9) \text{ SqM} \\ &= 8214.68 \text{ SqM} \\ &= 0.821468 \text{ Ha.} \end{aligned}$$

Total Area of Non Forest Land as per Layout Plan

$$\begin{aligned} &= [(35m \times 36.08m) + (7.19m \times 35.1479m)] \\ &= (1262.8 + 252.98) \text{ SqM} \\ &= 1515.78 \text{ SqM} \\ &= 0.151578 \text{ Ha.} \end{aligned}$$

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वित्त विभाग
अखिलेश्वर

(Authorized Signatory)

Indian Oil Corporation Limited
Divisional Office Allahabad

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