

Area Calculation Sheet as per Approved Layout Plan

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY / EXIT OF IOCL RETAIL OUTLET ON
FATEHGARH (FARRUKHABAD)-GURUSAHAIGANJ ROAD (SH-29A), BETWEEN KM.NO. 24 TO 25
(CH.NO. 23.972 TO CH. NO. 24.012, LHS), AT KHASRA NO. 134K, VILLAGE:- MALIKPUR,
TEHSIL:- CHHIBRAMAU, DISTRICT:- KANNAUJ (U. P.)

Entry Area approach to Retail Outlet

$$\begin{aligned} &= AA1A2 + A1A2A3A4 + A3A4A5 + A3A5B5 + B4B5A5 + B3B4B5 + B2B3B4 + B1B2B3 \\ &\quad + BB1B2 \\ &= \{1/2 \times (50.0m \times 5.5m)\} + (10.83273m \times 5.5m) + \{1/2 \times (4.6775m \times 5.5m)\} + \{1/2 \times (6.7293m \times \\ &\quad 3.93m)\} + \{1/2 \times (7.2046m \times 6.6m)\} + \{1/2 \times (8.10464m \times 5.868m)\} + \{1/2 \times (9.41885m \times \\ &\quad 8.28)\} + \{1/2 \times (10.17688m \times 6.4m)\} + \{1/2 \times (7.3834m \times 12.0m)\} \\ &= 137.5 \text{ SqM} + 59.58 \text{ SqM} + 12.863 \text{ SqM} + 13.223 \text{ SqM} + 23.775 \text{ SqM} + 23.779 \text{ SqM} \\ &\quad + 38.994 \text{ SqM} + 32.566 \text{ SqM} + 44.3 \text{ SqM} \\ &= 386.58 \text{ SqM} \end{aligned}$$

Area in Between Entry & Exit (Separator)

$$\begin{aligned} &= A1EB + BCEF + CFD1 \\ &= [(32.0m \times 21.5m) - \{3.14 \times (32.0m \times 21.5m)/4\}] + (16.0m \times 21.5m) + (21.0m \times 21.5m) - \{3.14 \times \\ &\quad (21.0m \times 21.5m)/4\} \\ &= 147.92 \text{ SqM} + 344.0 \text{ SqM} + 97.073 \text{ SqM} \\ &= 588.993 \text{ SqM} \end{aligned}$$

Area of Exit approach from Retail Outlet

$$\begin{aligned} &= DD1D2 + D1D2D3D4 + D3D4D5 + D3D5C5 + C4C5D5 + C3C4C5 + C2C3C4 + \\ &\quad C1C2C3 + CC1C2 \\ &= \{1/2 \times (5.5m \times 30.0m)\} + (60.6015m \times 5.5m) + \{1/2 \times (8.048m \times 5.5m)\} + \{1/2 \times (6.33985m \\ &\quad \times 7.78m)\} + \{1/2 \times (6.9689m \times 7.78m)\} + \{1/2 \times (9.67217m \times 7.516m)\} + \{1/2 \times (11.67089m \times \\ &\quad 11.534m)\} + \{1/2 \times (6.56m \times 12.19055m)\} + \{1/2 \times (7.605m \times 12.0m)\} \\ &= 82.5 \text{ SqM} + 333.308 \text{ SqM} + 22.132 \text{ SqM} + 24.662 \text{ SqM} + 27.109 \text{ SqM} + 36.348 \text{ SqM} + \\ &\quad 67.306 \text{ SqM} + 39.985 \text{ SqM} + 45.63 \text{ SqM} \\ &= 678.98 \text{ SqM} \end{aligned}$$

Total Protected Forest Area Proposed to be Diverted

$$\begin{aligned} &= 386.58 \text{ (Entry Area) SqM} + 588.993 \text{ (Separator) SqM} + 678.98 \text{ (Exit Area) SqM} \\ &= 1654.55 = 0.165455 \text{ Ha.} \end{aligned}$$

Total Area of Non Forest Land as per Layout Plan

$$\begin{aligned} &= (40.0m \times 40.0m) = 1600.0 \text{ SqM} \\ &= 0.16 \text{ Ha.} \end{aligned}$$


20 MAR 2020
चन्द्रमणि राय
वरिष्ठ प्रबंधक (रिटेल सेल्स)
ऑयल कॉर्पोरेशन लिमिटेड
आगरा कार्यालय
संजय प्लेस, आगरा-282002

Indian Oil Corporation Limited
Divisional Office Agra

AREA CALCULATION SHEET AS PER APPROVED LAYOUT PLAN

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 इंडियन ऑयल कॉर्पोरेशन लि०
 आगरा मंडल कार्यालय
 आगरा-282002
 (Authorised Signatory)
 Indian Oil Corporation Limited
 Divisional Office Agra