

Area Calculation

(Protected Forest Area proposed for diversion for non forestry Use)

Proposed HPCL Retail Outlet On Moradabad-Samble Road, At KHASRA No.-25,26, Villegge: Taharpur Doyam, Tehsil: Bilari, District: Moradabad (Uttar Pradesh)

Area Calculation Measurements on basis of Georeferenced Map & Approved Layout Plan.

Entry to Petrol Pump=Curve Polygon (C B C1) + Polygon (B B1 C2 C1)

$$= 36.34 + (15.7 \times 11.5) \text{sqm}$$

$$= (36.34 + 180.55) \text{sqm}$$

$$= 216.89 \text{sqm}$$

Curve Radius= $13 \times 13 = 169$

$$\frac{\pi r^2}{4} = 3.14 \times 13 \times 13 / 4$$

$$= 132.66$$

Area of Curve Polygon= $169 - 132.66$

$$36.34 \text{SQM}$$

Protected Forest Land B/W Entry and Exit= Polygon (B1 D1 D2 C2) = $(15.7 \times 12.0) \text{sqm}$

Protected Forest Land B/W Entry and Exit = 188.40sqm

Exit from Petrol Pump= Polygon (A1 A D1 D2) + Polygon Curve (A D D1)

$$= 180.55 \text{sqm} + 36.34 \text{sqm}$$

Protected Forest Area for Exit from Petrol Pump= 216.89sqm

Total Proposed Protected Forest Area for Diversion

$$= 216.89 \text{sqm (Entry)} + 188.40 \text{sqm (Forest Area B/W Entry \& Exit)} + 216.89 \text{sqm (Exit)}$$

$$= (216.89 + 188.40 + 216.89)$$

$$= 622.20 \text{sqm}$$

$$= 0.06222 \text{Ha}$$

राजकुमार जिन्दल
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विधिवत गठित न्यायवादी
हिन्दुस्तान पेट्रोलियम कार्पोरेशन लिमिटेड
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