

Protected Forest Land Calculation Sheet

Forest Land Proposed for Exit/Entry of CNG Station on Delhi-Bareilly-Lucknow
Road Old NH-24(City Portion), IN KM.164(CH.163.100), At Khasra No.196/3, Village:
Mustafabad, Tehsil: Moradabad, District: Moradabad (Uttar Pradesh)

Area As per Approved Layout Plan.

Entry to Petrol Pump=Curve Polygon (ABA1) + Polygon (B B1 A2 A1)

$$= 36.34 + (26 \times 12) \text{sqm}$$

$$= (36.34 + 312) \text{sqm}$$

$$= 348.34 \text{sqm}$$

$$\text{Curve Radius} = 13 \times 13 = 169$$

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

$$= 132.66$$

$$\text{Area of Curve Polygon} = 169 - 132.66$$

$$36.34 \text{SQM}$$

$$\text{Protected Forest Land B/W Entry /Exit} = \text{Polygon (B1 C1 D2 A2)} = (26 \times 12.0) \text{sqm}$$

$$\text{Protected Forest Land B/W Entry and Exit} = 312 \text{sqm}$$

$$\text{Exit from Petrol Pump} = \text{Polygon (C1 C D1 D2)} + \text{Polygon Curve (C D D1)}$$

$$= (26 \times 12 \text{sqm} + 36.34 \text{sqm})$$

$$= (312 + 36.34) \text{sqm}$$

$$\text{Protected Forest Area for Exit from Petrol Pump} = 348.34 \text{sqm}$$

Total Proposed Protected Forest Area for Diversion

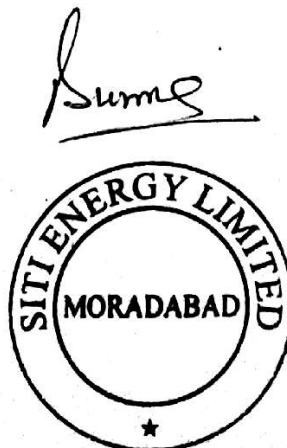
$$= 348.34 \text{sqm (Entry)} + 312 \text{sqm (Forest Area B/W Entry \& Exit)} + 348.34 \text{sqm (Exit)}$$

$$= (348.34 + 312 + 348.34) \text{sqm}$$

$$= 1008.68 \text{sqm}$$

$$= 0.1009 \text{Ha}$$

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उप प्रभागीय वन अधिकारी
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मुरादाबाद