

Forest Area Calculation

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

Forest Land Proposed for Exit/Entry of Bharat Petroleum Corporation Limited(BPCL) Retail Outlet on Bisalpur-Bilsanda Road (MDR-62P), at from CH. 3.807 to 3.842,(LHS) Village: Manpur, Tehsil: Bisalpur, District: Pilibhit (Uttar Pradesh)

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

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

$$= 36.34 + (15.53 \times 11.50) \text{sqm}$$

$$= (36.34 + 178.6) \text{sqm}$$

$$= 214.94 \text{sqm}$$

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

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

$$= 132.66$$

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

$$36.34 \text{SQM}$$

$$\text{Protected Forest Land B/W Entry and Exit} = \text{Polygon (B1 C1 D2 A2)} = (15.53 \times 19.36) \text{sqm}$$

$$\text{Protected Forest Land B/W Entry and Exit} = 186.36 \text{sqm}$$

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

$$= (15.53 \times 11.50 + 36.34) \text{sqm}$$

$$= (178.6 + 36.34)$$

$$\text{Protected Forest Area for Exit from Petrol Pump} = 214.94 \text{sqm}$$


Total Proposed Protected Forest Area for Diversion

$$= 214.94 \text{sqm (Entry)} + 186.36 \text{sqm (Forest Area B/W Entry \& Exit)} + 214.94 \text{sqm (Exit)}$$

$$= (214.94 + 186.36 + 214.94) \text{sqm}$$

$$= 616.24 \text{sqm}$$

$$= 0.061624 \text{Ha}$$


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