

Protected Forest Land Calculation Sheet

Proposed HPCL Retail Outlet on Sultanpur-Kadipur Road (SH-34) At
KM. Stone No.(164-165), Gata No.46, Village: Godalpur, Pargana:Aldemau,
Tehsil: Jaisinghpur, District: Sultanpur (Uttar Pradesh)

Area As per Approved Layout Plan.

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

$$= 36.34+ (19.36*11.5)sqm$$

$$= (36.34+222.64)sqm$$

$$=258.98sqm$$

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

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

$$=132.66$$

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

$$36.34SQM$$

Protected Forest Land B/W Entry /Exit= Polygon (B1 C1 D2 A2) = (19.36x12.0)sqm

Protected Forest Land B/W Entry and Exit = 232.32sqm

Exit from Petrol Pump= Polygon (C1 C D1 D2) +Polygon Curve (C D D1)

$$= (19.36x11.5sqm+36.34sqm)$$

$$=(222.64+36.34)sqm$$

Protected Forest Area for Exit from Petrol Pump=258.98sqm

Total Proposed Protected Forest Area for Diversion

$$= 258.98sqm (\text{Entry}) +232.32sqm (\text{Forest Area B/W Entry \& Exit}) + 258.98sqm (\text{Exit})$$

$$= (258.98+232.32+258.98)sqm$$

$$= 750.28sqm$$

$$= 0.075028Ha$$


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