

Protected Forest Land Calculation Sheet

Proposed Forest Land for Exit/Entry of HPCL Retail Outlet On Akbarpur-Baskhari Road (SH-30) At Khasra No.872, Village:- Afjalpur, Pargana:- Akbarpur, Tehsil:- Akbarpur, District:- Ambedkar Nagar (Uttar Pradesh)

Area As per Approved Layout Plan.

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

$$= 36.34+ (19.36*12)sqm$$

$$= (36.34+232.32)sqm$$

$$=268.66sqm$$

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

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

$$=132.66$$

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

$$36.34SQM$$

Protected Forest Land B/W Entry /Exit= Polygon (B1 C1 D2 A2) = (19.36x16.0)sqm

Protected Forest Land B/W Entry and Exit = 309.76sqm

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

$$= (19.36x12sqm+36.34sqm)$$

$$=(232.32+36.34)sqm$$

Protected Forest Area for Exit from Petrol Pump=264.66sqm

Total Proposed Protected Forest Area for Diversion

$$= 268.66sqm (\text{Entry}) +309.76sqm (\text{Forest Area B/W Entry \&Exit}) + 268.66sqm (\text{Exit})$$

$$= (268.66+309.76+268.66)sqm$$

$$= 847.08sqm$$

$$= 0.084708Ha$$

Non Forest Area is As Per Layout Plan = 40MX40M

$$=1600SQM$$

$$=0.16Ha$$


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Duly Constituted Authority
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Varanasi Retail Region

**Chief Regional Manager
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