

## Protected Forest Land Calculation Sheet

Forest Land Proposed for Exit/Entry of BPCL Retail Outlet on Akbarpur-Tanda Road  
NH-232 (New NH-128), IN KM.177(CH.176.327,RHS), At Khasra No.184Mi,186Mi &187Mi, Village:  
Gadayan  
(City Site), 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)

$$= 36.34 + (10.5 \times 9.0) \text{sqm}$$

$$= (36.34 + 94.5) \text{sqm}$$

$$= 130.84 \text{sqm}$$

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

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

$$= 132.66$$

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

$$= 36.34 \text{SQM}$$

Protected Forest Land B/W Entry /Exit= Polygon (B1 C1 D2 A2) = (10.5x5.0)sqm

Protected Forest Land B/W Entry and Exit = 52.5sqm

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

$$= (10.5 \times 9.0 \text{sqm} + 36.34 \text{sqm})$$

$$= (94.5 + 36.34) \text{sqm}$$

Protected Forest Area for Exit from Petrol Pump=130.84sqm

Total Proposed Protected Forest Area for Diversion

$$= 130.84 \text{sqm (Entry)} + 52.5 \text{sqm (Forest Area B/W Entry \& Exit)} + 130.84 \text{sqm (Exit)}$$

$$= (130.84 + 52.5 + 130.84) \text{sqm}$$

$$= 314.2 \text{sqm}$$

$$= 0.03142 \text{H}$$

Bharat Petroleum Corporation Ltd.



Constituted Attorney

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