

## Protected Forest Land Calculation Sheet

**Proposed Forest Land for Exit/Entry of BPCL Retail Outlet On Haidergarh-Bhitariya, Ram Sanehi Ghat Road, IN KM. Stone No-8, At Khasra No-179, Village:- Bhikharpur, Tehsil:- Ram Sanehi Ghat, District:- Barabanki**

**Area As per Approved Layout Plan.**

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

$$= 36.34 + (14.78 \times 14) \text{sqm}$$

$$= (36.34 + 206.92) \text{sqm}$$

$$= 243.26 \text{sqm}$$

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

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

$$= 132.66$$

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

$$= 36.34 \text{SQM}$$

**Protected Forest Land B/W Entry /Exit= Polygon (B1 C1 D2 A2) = (14.78x12.0)sqm**

**Protected Forest Land B/W Entry and Exit = 177.36sqm**

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

$$= (14.78 \times 14.0 \text{sqm} + 36.34 \text{sqm})$$

$$= (206.92 + 36.34) \text{sqm}$$

**Protected Forest Area for Exit from Petrol Pump=243.26sqm**

**Total Proposed Protected Forest Area for Diversion**

$$= 243.26 \text{sqm (Entry)} + 177.36 \text{sqm (Forest Area B/W Entry \& Exit)} + 243.26 \text{sqm (Exit)}$$

$$= (243.26 + 177.36 + 243.26) \text{sqm}$$

$$= 663.88 \text{sqm}$$

$$= 0.066388 \text{Ha}$$

**Non Forest Area is As Per Layout Plan = 35MX40M**

$$= 1400 \text{SQM}$$

$$= 0.14 \text{Ha}$$

Bharat Petroleum Corporation Ltd.



Constituted Attorney