

Protected Forest Land Calculation Sheet

Proposed Forest Land for Exit/Entry of BPCL Retail Outlet on Gonda-Bahraich Road (SH-30), At Khasra No-310Mi, Near KM.Stone No.6, Village:- Nagraur, Tehsil:- Bahraich, District:- Bahraich

Area As per Approved Layout Plan.

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

$$= 36.34 + (19.36 \times 14.0) \text{sqm}$$

$$= (36.34 + 271.04) \text{sqm}$$

$$= 307.38 \text{sqm}$$

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

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

$$= 132.66$$

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

$$36.34 \text{SQM}$$

$$\text{Protected Forest Land B/W Entry /Exit} = \text{Polygon (B1 C1 D2 A2)} = (19.36 \times 12.0) \text{sqm}$$

$$\text{Protected Forest Land B/W Entry and Exit} = 232.32 \text{sqm}$$

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

$$= (19.36 \times 14 \text{sqm} + 36.34 \text{sqm})$$

$$= (271.04 + 36.34) \text{sqm}$$

$$\text{Protected Forest Area for Exit from Petrol Pump} = 307.38 \text{sqm}$$

Total Proposed Protected Forest Area for Diversion

$$= 307.38 \text{sqm (Entry)} + 232.32 \text{sqm (Forest Area B/W Entry \& Exit)} + 307.38 \text{sqm (Exit)}$$

$$= (307.38 + 232.32 + 307.38) \text{sqm}$$

$$= 847.1 \text{sqm}$$

$$= 0.08471 \text{Ha}$$

Bharat Petroleum Corporation Ltd.



Constituted Attorney

Territory Manager
BPCL Territory Office, Gorakhpur