

Area Calculation Sheet

(Proposed Forest Area for diversion for non- forestry use)

**Proposed Protected Forest Land to be diverted for Entry/Exit of BPCL Retail Outlet
on Basti - Dumariyaganj Road (SH-26), In KM. Stone No. 397 (LHS), At Khasra
No - (77, 78ka, 79, 80 & 81), Village:- Malpurwa, Pargana:- Rasulpur,
Tehsil:- Bhanpur, District:- Basti (Uttar Pradesh)**

Entry to petrol Pump = Curve Polygon(A B A1) + Polygon (A1 A2 B1 B)

$$= 36.34 \text{ SqM} + (11.5\text{m} \times 19.36\text{m})$$

$$= (36.34 + 222.64) \text{ SqM}$$

$$= 258.98 \text{ SqM}$$

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

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

$$= 132.66 \text{ SqM}$$

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

$$= 36.34 \text{ SqM}$$

Forest land B/W Entry and Exit = Polygon (B1 C1 D2 A2)

$$= (12\text{m} \times 19.36\text{m}) \text{ SqM}$$

$$= 232.32 \text{ SqM}$$

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

$$= 36.34 + (11.5\text{m} \times 19.36\text{m})$$

$$= (36.34 + 222.64) \text{ SqM}$$

$$= 258.98 \text{ SqM}$$

Total Proposed Protected Forest Area for Diversion

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

$$= 750.28 \text{ Sqm} = 0.075028 \text{ Ha.}$$

Non-Forest Land Area as per Layout Plan

$$= (35.0\text{m} \times 36.17\text{m}) = 1265.95 \text{ SqM}$$

$$\approx 0.1266 \text{ Ha}$$

Vikas Srivastava
Authorised Signatory
Bharat Petroleum Corporation Ltd.
11/09/19
Bharat Petroleum Corporation Limited
Gorakhpur Retail Territory