



## Protected Forest Land Calculation Sheet

Proposed Forest Land for Exit/Entry of BPCL Retail Outlet on Delhi-Kanpur Road (NH-91), IN Khasra No.28, AT KM 126, Chainage.125.910, Village:- Sikanderpur Bhukrawali, Tehsil:- Koli, District:- Aligarh (Uttar Pradesh)

Area As per Approved Layout Plan.

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

$$= 36.34 + (19.36 \times 9.0) \text{sqm}$$

$$= (36.34 + 174.24) \text{sqm}$$

$$= 210.58 \text{sqm}$$

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

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

$$= 132.66$$

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

$$36.34 \text{SQM}$$

Protected Forest Land B/W Entry /Exit= Polygon (B1 C1 D2 A2) = (19.36x7.0)sqm

Protected Forest Land B/W Entry and Exit = 135.52sqm

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

$$= (19.36 \times 9.0 \text{sqm} + 36.34 \text{sqm})$$

$$= (174.24 + 36.34) \text{sqm}$$

Protected Forest Area for Exit from Petrol Pump=210.52sqm

Total Proposed Protected Forest Area for Diversion

$$= 210.58 \text{sqm (Entry)} + 135.52 \text{sqm (Forest Area B/W Entry \& Exit)} + 210.58 \text{sqm (Exit)}$$

$$= (210.58 + 135.52 + 210.58) \text{sqm}$$

$$= 556.68 \text{sqm}$$

$$= 0.055668 \text{Ha}$$

Non Forest Area is As Per Layout Plan = 25MX25M

$$= 325 \text{SQM}$$

$$= 0.0625 \text{Ha}$$

Date:

(S.D. Tripathi)  
Divisional Director  
Social Forestry Division  
Aligarh  
Date... 06/10/2017

प्रादेशिक प्रबंधक (रिटेल) मथुरा  
भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड  
प्लॉट डी-1, रोड नं 26, इंडस्ट्रियल एरिया,  
साइट-बी पो, रिफाइनरी, मथुरा-281005  
Tonesh Chaturvedi  
Territory Manger  
BPCL, Territory, Mathura 26/09/17