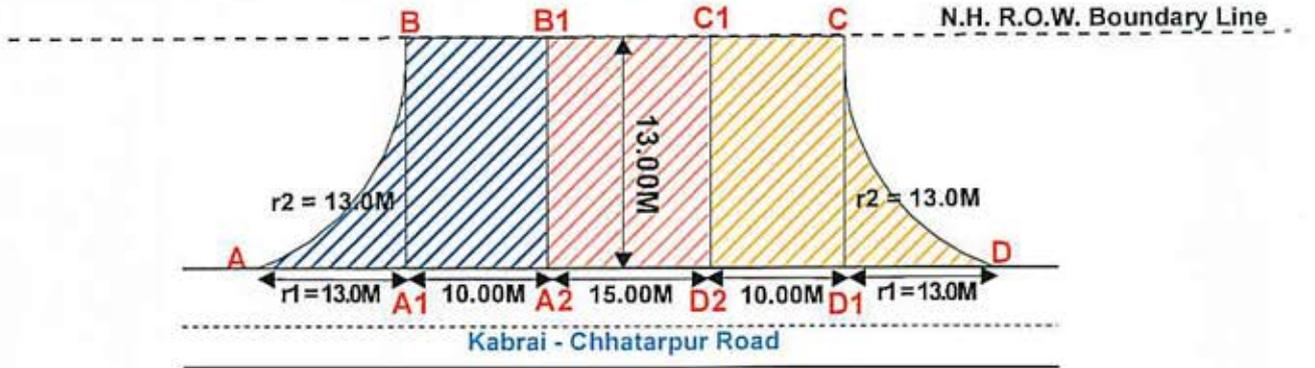


Area Calculation Sheet as per Approved Layout Plan

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY / EXIT OF BPCL RETAIL OUTLET ON KABRAI-CHHATARPUR ROAD (NH - 34) (OLD NH-86), IN KM. NO. 4-5 (CH. NO.- 4.390, LHS), AT KHASRA NO.- 814 KHA (PART OF KHASRA NO. 814), VILLAGE:- BHATIPURA, TEHSIL:- MAHOBA, DISTRICT:- MAHOBA (U. P.)



Area of Entry approach to retail outlet

= Area of Curve Polygon(A B A1) + Area of rectangle (B B1 A2 A1)

$$\begin{aligned} &\text{Area of Curve Polygon(A B A1)} \\ &= \{ (r1 \times r2) - (\pi \times r1 \times r2)/4 \} \\ &= \{ (13.0\text{m} \times 13.0\text{m}) - (3.14 \times 13.0 \times 13.0/4) \} \\ &= (169.0 - 132.665) \text{ SqM} \\ &= 36.34 \text{ SqM} \end{aligned}$$

$$\begin{aligned} &\text{Area of rectangle (B B1 A2 A1)} \\ &= \{ \text{Length(m)} \times \text{width(m)} \} \\ &= (10.00\text{m} \times 13.0\text{m}) \\ &= 130.0 \text{ SqM} \end{aligned}$$

So, Area of Entry approach to retail outlet = (36.34 + 130.0) SqM = 166.34 SqM

Area of Separator = Area of rectangle (B1 C1 D2 A2)

$$\begin{aligned} &\text{Area of rectangle (B1 C1 D2 A2)} \\ &= \{ \text{Length(m)} \times \text{width(m)} \} \\ &= (15.0\text{m} \times 13.0\text{m}) \text{ SqM} \\ &= 195.0 \text{ SqM} \end{aligned}$$

Area of Exit approach from retail outlet

= Area of Curve Polygon(C D D1) + Area of rectangle (C C1 D2 D1)

$$\begin{aligned} &\text{Area of Curve Polygon(C D D1)} \\ &= \{ (r1 \times r2) - (\pi \times r1 \times r2)/4 \} \\ &= \{ (13.0\text{m} \times 13.0\text{m}) - (3.14 \times 13.0 \times 13.0/4) \} \\ &= (169.0 - 132.665) \text{ SqM} \\ &= 36.34 \text{ SqM} \end{aligned}$$

$$\begin{aligned} &\text{Area of rectangle (C C1 D2 D1)} \\ &= \{ \text{Length(m)} \times \text{width(m)} \} \\ &= (10.00\text{m} \times 13.0\text{m}) \\ &= 130.0 \text{ SqM} \end{aligned}$$

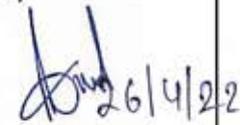
So, Area of Exit approach from retail outlet = (36.34 + 130.0) SqM = 166.34 SqM

Total Proposed Protected Forest Area for Diversion

$$\begin{aligned} &= 166.34 \text{ SqM (Entry)} + 195.0 \text{ SqM (Forest Area B/W Entry \& Exit)} + 166.34 \text{ SqM (Exit)} \\ &= 527.68 \text{ Sqm} \\ &= 0.052768 \text{ Ha.} \end{aligned}$$

Non-Forest Land/Private Land Area as per Layout Plan

$$\begin{aligned} &= \text{Retailoutlet Private Land area} = \text{area of rectangle} = \{ \text{Length(m)} \times \text{Width(m)} \} \\ &= \{ (35.0\text{m} \times 4.86\text{m}) + (35.0\text{m} \times 45.0\text{m}) \} = (170.1 + 1575.0) \text{ SqM} \\ &= 1745.1 \text{ SqM} \\ &= 0.1745 \text{ Ha.} \end{aligned}$$


 पुनीत दीक्षित / PUNEET DIXIT
 टैरिटी मैनेजर(रिटेल) / TERRITORY MANAGER(RETAIL)
 भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड
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 भोली कॉलनी रोड, NH-19, कानपुर-209305
 Bhaunil Kalpi Road, NH-19, Kanpur-209305

(Authorized Signatory)

Bharat Petroleum Corporation Ltd.
Retail Territory Kanpur