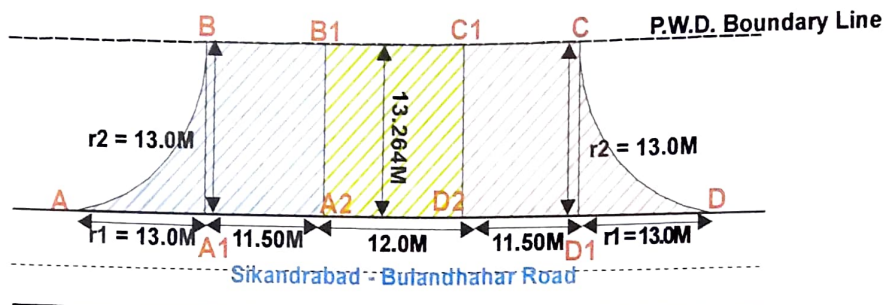


Area Calculation Sheet as per Approved Layout Plan

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY/EXIT APPROACH TO
BPCL RETAIL OUTLET ON SIKANDRABAD - BULANDSHAHR (ABADI BHAG) ROAD (ODR)
IN KM NO. 5 (CH. NO. 4.800 LHS), AT GATA NO - 1233, VILLAGE:- SIKANDRABAD
DEHAT, TEHSIL:- SIKANDRABAD, DISTRICT:- BULANDSHAHR (U.P.)



Area of Entry approach to retail outlet

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

Area of Curve Polygon(A B A1)

$$= \{ (r1 \times r2) - (\pi \times r1 \times r2)/4 \}$$

$$= \{ (13.0m \times 13.0m) - (3.14 \times 13.0 \times 13.0/4) \}$$

$$= (169.0 - 132.665) \text{ SqM}$$

$$= 36.34 \text{ SqM}$$

Area of rectangle (B B1 A2 A1)

$$= \{ \text{Length(m)} \times \text{width(m)} \}$$

$$= (11.50m \times 13.264m)$$

$$= 152.536 \text{ SqM}$$

So, Area of Entry approach to retail outlet = (36.34 + 152.536) SqM = 188.876 SqM

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

Area of rectangle (B1 C1 D2 A2)

$$= \{ \text{Length(m)} \times \text{width(m)} \}$$

$$= (12.0m \times 13.264m) \text{ SqM}$$

$$= 159.168 \text{ SqM}$$

Area of Exit approach from retail outlet

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

Area of Curve Polygon(C D D1)

$$= \{ (r1 \times r2) - (\pi \times r1 \times r2)/4 \}$$

$$= \{ (13.0m \times 13.0m) - (3.14 \times 13.0 \times 13.0/4) \}$$

$$= (169.0 - 132.665) \text{ SqM}$$

$$= 36.34 \text{ SqM}$$

Area of rectangle (C C1 D2 D1)

$$= \{ \text{Length(m)} \times \text{width(m)} \}$$

$$= (11.50m \times 13.264m)$$

$$= 152.536 \text{ SqM}$$

So, Area of Exit approach from retail outlet = (36.34 + 152.536) SqM = 188.876 SqM

Total Proposed Protected Forest Area for Diversion

= 188.876 SqM (Entry) + 159.168 SqM (Forest Area B/W Entry & Exit) + 188.876 SqM (Exit)

= 536.92 Sqm = 0.053692 Ha.

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

= Non-forest Land Area = (3.056m x 35.0m) + Private Land area = (35.0m x 45.0m) = (106.96 SqM + 1575.0 SqM)
= 0.1682 Ha.



एम. ब्रह्मा (M. Brahma)
प्रबन्धक अभियांत्रिकी (प्र)
मेरठ रिटेल, डेपुटी
भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड
आबू का मकबरा, केसरगंज, मेरठ (उ.प्र.)

कुमार अविनाश
प्रादेशिक प्रबन्धक (रिटेल)
भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड
आबू का मकबरा, केसरगंज, मेरठ (उ.प्र.)
(Authorized Signatory)

Bharat Petroleum Corporation Ltd.
Meerut Territory