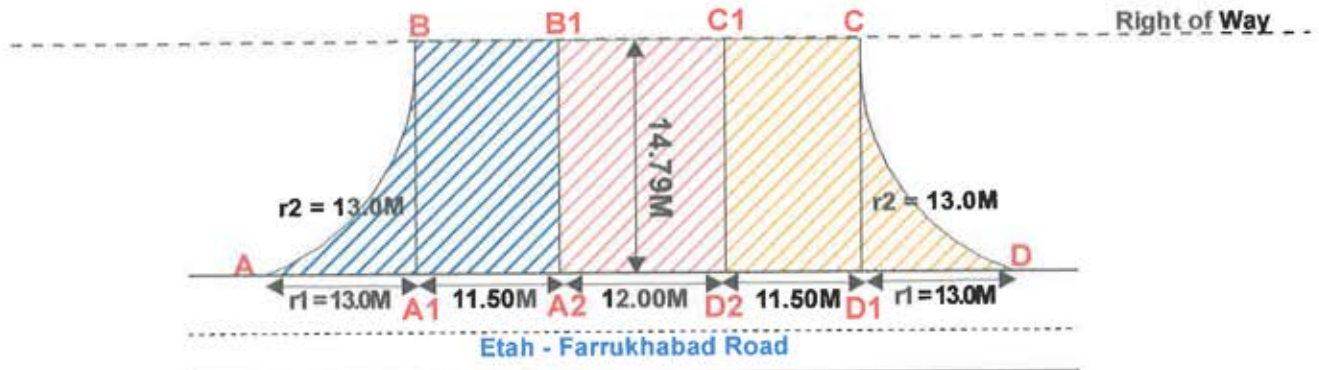


Area Calculation Sheet as per Approved Layout Plan

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY / EXIT OF BPCL RETAIL OUTLET ON ETAH-KAIMGANJ-FARRUKHABAD ROAD (SH-121) (CITY PART) IN KM NO. 100(730) (RHS) AT KHASRA NO.- 659, 660KA & 666KHA, VILLAGE:- KHARBANDI BHIKHAMPUR, TEHSIL:- FARRUKHABAD, DISTRICT:- FARRUKHABAD (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)

$$= \{ (r_1 \times r_2) - (\pi \times r_1 \times r_2) / 4 \}$$

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

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

$$= 36.34 \text{ SqM}$$

Area of rectangle (B B1 A2 A1)

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

$$= (11.50m \times 14.79m)$$

$$= 170.085 \text{ SqM}$$

So, Area of Entry approach to retail outlet = (36.34 + 170.085) SqM = 206.425 SqM

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

Area of rectangle (B1 C1 D2 A2)

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

$$= (12.0m \times 14.79m) \text{ SqM}$$

$$= 177.48 \text{ SqM}$$

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)

$$= \{ (r_1 \times r_2) - (\pi \times r_1 \times r_2) / 4 \}$$

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

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

$$= 36.34 \text{ SqM}$$

Area of rectangle (C C1 D2 D1)

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

$$= (11.50m \times 14.79m)$$

$$= 170.085 \text{ SqM}$$

So, Area of Exit approach from retail outlet = (36.34 + 170.085) SqM = 206.425 SqM

Total Proposed Protected Forest Area for Diversion

$$= 206.425 \text{ SqM (Entry)} + 177.48 \text{ SqM (Forest Area B/W Entry \& Exit)} + 206.425 \text{ SqM (Exit)}$$

$$= 590.33 \text{ Sqm}$$

$$= 0.059033 \text{ Ha.}$$

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

$$= \text{Retailoutlet Private Land area} = \text{area of square} = \{ \text{side (m)} \times \text{side(m)} \}$$

$$= \{ (35.0m \times 35.0m) \}$$

$$= 1225.0 \text{ SqM}$$

$$= 0.1225 \text{ Ha.}$$


 29/9/21
 (Authorized Signatory)
 Territory Manager (Retail)
 Bharat Petroleum Corporation Ltd.
 Retail Territory Bareilly