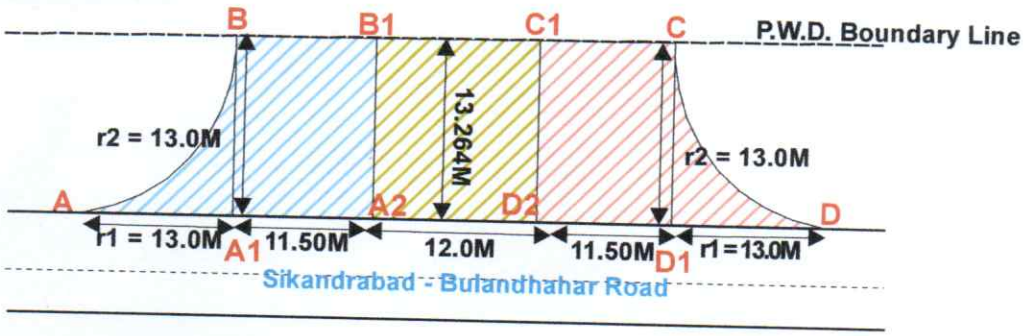
Area Calculation Sheet as per Approved Layout Plan

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 x r2) – (π x r1 x r2)/4}
= {(13.0m × 13.0m) - (3.14 ×13.0 ×13.0/4)}
= (169.0 – 132.665) SqM
= 36.34 SqM

Area of rectangle (B B1 A2 A1)
= { Length(m) x width(m) }
= (11.50m × 13.264m)
= 152.536 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)
= { Length(m) x width(m) }
= (12.0m x 13.264m) SqM
= 159.168 SqM

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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 x r2) – (π x r1 x r2)/4}
= {(13.0m × 13.0m) - (3.14 ×13.0 ×13.0/4)}
= (169.0 – 132.665) SqM
= 36.34 SqM

Area of rectangle (C C1 D2 D1)
= { Length(m) x width(m) }
= (11.50m × 13.264m)
= 152.536 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.

क्षेत्रीय वनाधिकारी
स्याना रेंज (बु0शहर)

एम. ब्रह्मा (M. Brahma)
प्रबन्धक अभियांत्रिकी (रिटेल)

कुमार अविनाश
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(Authorized Signatory)
Bharat Petroleum Corporation Limited