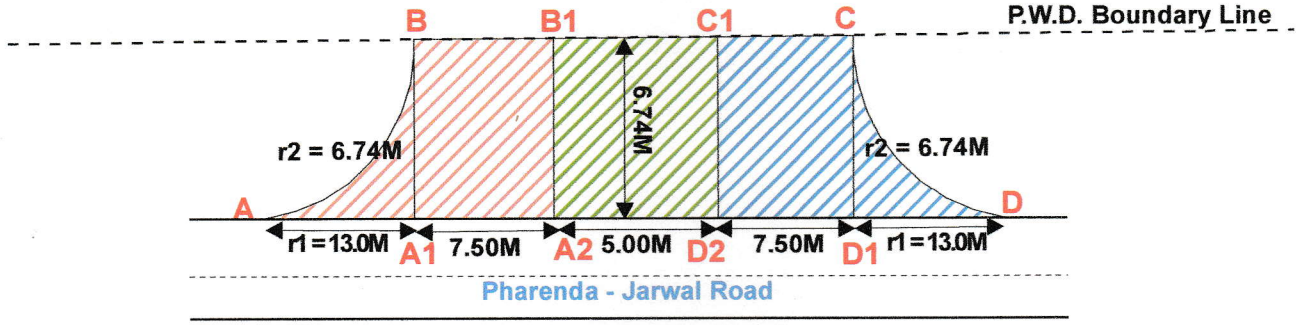
Area Calculation Sheet as per Approved Layout Plan

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY/EXIT APPROACH TO INDIAN OIL CORPORATION LIMITED RETAIL OUTLET ON PHARENDA-JARWAL ROAD SH-1A (NEW NH-330B) IN KM NO. 218 (CH. NO.-217.400 TO 217.600, LHS), AT GATA NO. 1261 & 1262, VILLAGE:- SAKRAURA NAGAR, TEHSIL: - COLONELGANJ, DISTRICT: - GONDA (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 × 6.74m) - (3.14 ×13.0 × 6.74/4)}
= (87.62 – 68.7817) SqM
≈ 18.84 SqM

Area of rectangle (B B1 A2 A1)
= { Length(m) x width(m) }
= (7.50m × 6.74m)
= 50.55 SqM

So, Area of Entry approach to retail outlet = (18.84 + 50.55) SqM = 69.39 SqM

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

Area of rectangle (B1 C1 D2 A2)
= { Length(m) x width(m) }
= (5.00m x 6.74m) SqM
= 33.7 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 x r2) – (π x r1 x r2)/4}
= {(13.0m × 6.74m) - (3.14 ×13.0 × 6.74/4)}
= (87.62 – 68.7817) SqM
≈ 18.84 SqM

Area of rectangle (C C1 D2 D1)
= { Length(m) x width(m) }
= (7.50m × 6.74m)
= 50.55 SqM

So, Area of Exit approach from retail outlet = (18.84 + 50.55) SqM = 69.39 SqM

Total Proposed Protected Forest Area for Diversion
= 69.39 SqM (Entry) + 33.7 SqM (Forest Area B/W Entry & Exit) + 69.39 SqM (Exit)
= 172.48 Sqm
= 0.017248 Ha.

Non-Forest Land/Private Land Area as per Layout Plan
= Retailoutlet Private Land area = area of square shape plot = {side(m) x side(m)}
= (20.0m x 20.0m) = 400.0 SqM
= 0.04 Ha.

उपांश कुमार/ UPANSH KUMAR
वरिष्ठ प्रबंधक (खुदरा बिक्री)/ Sr. Manager (Retail Sales)
लखनऊ मण्डली कार्यालय/ Lucknow Divisional Office
इंडियन ऑयल कॉर्पोरेशन लि. / Indian Oil Corporation Ltd.
कमलाकुंज कॉम्प्लेक्स/Kamlakunj Complex, Aliganj, Lucknow
11/6/21

(Authorized Signatory)
Indian Oil Corporation Ltd.
Divisional Office Lucknow