

Area Calculation Sheet as per Approved Layout Plan

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY/EXIT OF BPCL RETAIL OUTLET ON DALMAU - UNCHAHAHAR ROAD (SH-38), Near KM. NO. 181 (CH. NO. 180+935.90 LHS), AT KHASRA NO - 378, VILLAGE:- ALIPUR CHAKRAI, TEHSIL:- DALMAU, DISTRICT:- RAEBARELI (U.P.)

Description		Length (in meters)	Width (in meters)	Proposed Forest Land Area (in SqM)
Approach to Entry of retail outlet	Curve Polygon (A A1 B)	radius (r ₁)= 13.0m	radius (r ₂)= 13.0m	Curve Radius = (r ₁ × r ₂) = 13.0m × 13.0m = 169.0 SqM $\pi r^2/4 = 3.14 \times 13.0 \times 13.0/4$ = 132.665 SqM Area of Curve Polygon = (169.0 – 132.665) SqM = 36.34 SqM
	Polygon (A1 A2 B1 B)	12.0	19.36	= (12.0m × 19.36m) = 232.32 SqM
Area of Approach to Entry of retail outlet				= (36.34 + 232.32) SqM = 268.66 SqM
Forest land B/W Entry and Exit	Polygon (B1 C1 D2 A2)	14.10	19.36	= (14.10m × 19.36m) SqM = 272.976 SqM
Area of Forest land B/W Entry and Exit				= 272.976 SqM
Approach to Exit from retail outlet	Curve Polygon (D D1 C)	radius (r ₁)= 13.0m	radius (r ₂)= 13.0m	Curve Radius = (r ₁ × r ₂) = 13.0m × 13.0m = 169.0 SqM $\pi r^2/4 = 3.14 \times 13.0 \times 13.0/4$ = 132.665 SqM Area of Curve Polygon = (169.0 – 132.665) SqM = 36.34 SqM
	Polygon (D1 D2 C1 C)	12.0	19.36	= (12.0m × 19.36m) = 232.32 SqM
Area of Approach to Exit from retail outlet				= (36.34 + 232.32) SqM = 268.66 SqM

Total Proposed Protected Forest Area for Diversion

= 268.66 SqM (Entry) + 272.976 SqM (Forest Area B/W Entry & Exit) + 268.66 SqM (Exit)
= 810.296 Sqm ≈ 0.08103 Ha.

Non-Forest Land Area as per Layout Plan

= (38.10m × 38.10m) = 1451.61 SqM ≈ 0.1451 Ha.

(Authorized Signatory)

प्रभागीय निदेशक
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Bharat Petroleum Corporation Ltd.