Area calculation Sheet

(Proposed Forest Area for diversion for non- forestry use)

Proposed Protected Forest Land to be diverted for entry/exit to BPCL Retail Outlet on Bani – Mohanlalganj Road (MDR- 89 C), In KM Stone No. 4.00 (LHS), At Khasra No. 268, Village: Dhawapur, Pargana: Bijnor, Tehsil: Sarojini Nagar, District: Lucknow (Uttar Pradesh)

Entry to petrol Pump = Curve Polygon(A F1 A1) + Polygon (A A2 B1 F1)
= 24.32 SqM + (8.7 ×15.0) SqM
= (24.32 + 130.5) SqM
= 154.82 SqM

Curve Radius = 8.7m × 13.0m =113.1 SqM

$\pi r^2/4$ = 3.14 ×13.0 ×8.7/4
= 88.78 SqM

Area of Curve Polygon = (113.1 – 88.78) SqM
= 24.32 SqM

Forest land B/W Entry and Exit = Polygon (B1 C1 D2 A2)
= (15.0 ×8.7)SqM
= 130.5 SqM

Exit from Petrol Pump = Polygon Curve (C1 C D1 D2) + Polygon (CDD1)
= 24.32 SqM + (8.7 ×15.0) SqM
= (24.32 + 130.5) SqM
= 154.82 SqM

Total Proposed Forest Area for Diversion
= 154.82 SqM (Entry) + 130.5 SqM (Forest Area B/W Entry & Exit) + 154.82 SqM (Exit)
= 440.14 SqM
= 0.044014 Ha

Non-Forest Land Area as per Layout Plan
= (10.66m x 45.0m) + (45.0m x 45.0m) = (479.7 + 2025.0) SqM
= 2504.7 SqM
≈ 0.2505 Ha.

Authorized signatory

Bharat Petroleum Corporation Limited
Territory Lucknow