

Protected Forest Land Calculation Sheet

Proposed Forest Land for Exit/Entry of of HPCL Retail Outlet on Lalganj-Kalankar Road,in KM 20
Gata No.1406 Village:Naraee, Tehsil:Kunda, District: Pratapgarh

Area As per Approved Layout Plan.

Entry to Petrol Pump=Curve Polygon (ABA1) + Polygon (B B1 A2 A1)

$$= 36.34 + (12 \times 19.36) \text{sqm}$$

$$= (36.34 + 232.32) \text{sqm}$$

$$= 268.66 \text{sqm}$$

$$\text{Curve Radius} = 13 \times 13 = 169$$

$$\frac{\pi r^2}{4} = 3.14 \times 13 \times 13 / 4$$

$$= 132.66$$

$$\text{Area of Curve Polygon} = 169 - 132.66$$

$$36.34 \text{SQM}$$

Protected Forest Land B/W Entry /Exit= Polygon (B1 C1 D2 A2) = (15x19.36)sqm

$$\text{Protected Forest Land B/W Entry and Exit} = 290.4 \text{sqm}$$

Exit from Petrol Pump= Polygon (C1 C D1 D2) +Polygon Curve (C D D1)

$$= (112 \times 19.36 \text{sqm} + 36.34 \text{sqm})$$

$$= (232.32 + 36.34) \text{sqm}$$

Protected Forest Area for Exit from Petrol Pump=268.66sqm

Total Proposed Protected Forest Area for Diversion

$$= 268.66 \text{sqm (Entry)} + 290.4 \text{sqm (Forest Area B/W Entry \& Exit)} + 268.66 \text{sqm (Exit)}$$

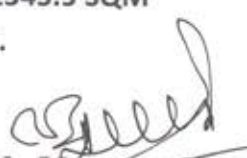
$$= (268.66 + 290.4 + 268.66) \text{sqm}$$

$$= 827.72 \text{sqm}$$

$$= 0.82772 \text{Ha}$$

Non Forest (Plot Area) is as per Layout Plan =34.5x39 =1345.5 SQM

$$= 0.13455 \text{Ha.}$$


Awdesh Kumar Pandey

Dy. General Manager

HPCL Regional Office

Kanpur (UP)


अवधेश कुमार पाण्डेय

उपमहाप्रबंधक - रीटेल क्षेत्र

हिन्दुस्तान पेट्रोलियम कारपोरेशन लिमिटेड

कानपुर रीटेल क्षेत्रीय कार्यालय