

## Protected Forest Land Calculation Sheet

Proposed Forest Land for Exit/Entry of Essar Oil Retail Outlet On Palwal-Tappal--Aligarh Road (SH-22A) At KM.74 Chanage 73-800M, At Khasra No.141 A, Village: Lahosara Bisawan, Block-Lodha, Taluka: Aligarh, District: Aligarh

Area As per Approved Layout Plan.

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

$$= 36.34 + (19.36 \times 11.5) \text{sqm}$$

$$= (36.34 + 222.64) \text{sqm}$$

$$= 258.98 \text{sqm}$$

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

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

$$= 132.66$$

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

$$36.34 \text{SQM}$$

$$\text{Protected Forest Land B/W Entry /Exit} = \text{Polygon (B1 C1 D2 A2)} = (19.36 \times 12.0) \text{sqm}$$

$$\text{Protected Forest Land B/W Entry and Exit} = 232.32 \text{sqm}$$

$$\text{Exit from Petrol Pump} = \text{Polygon (C1 C D1 D2)} + \text{Polygon Curve (C D D1)}$$

$$= (19.36 \times 11.5 \text{sqm} + 36.34 \text{sqm})$$

$$= (222.64 + 36.34) \text{sqm}$$

$$\text{Protected Forest Area for Exit from Petrol Pump} = 258.98 \text{sqm}$$

Total Proposed Protected Forest Area for Diversion

$$= 258.98 \text{sqm (Entry)} + 232.32 \text{sqm (Forest Area B/W Entry \& Exit)} + 258.98 \text{sqm (Exit)}$$

$$= (258.98 + 232.32 + 258.98) \text{sqm}$$

$$= 750.28 \text{sqm}$$

$$= 0.075028 \text{Ha}$$

Non Forest Area is As Per Layout Plan = 35MX35M

$$= 1225 \text{SQM}$$

$$= 0.1225 \text{Ha}$$

Counter signed  
(S.D. Tripathi)  
Divisional Directors,  
Social Forestry Division, Aligarh  
Date.....

  
Divisional Manager  
Essar Oil Limited  
Divisional Office Noida(U.P)  
**ATUL KUMAR**  
(DIVISIONAL MANAGER) ESSAR OIL  
2314, 3rd FLOOR, TOWER 'A' THE CORENTHUM  
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