

## 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 73-800), 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)**

$$= 36.34+ (19.36*11.5)sqm$$

$$= (36.34+222.64)sqm$$

$$=258.98sqm$$

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

$$\pi r^2/4 =3.14*13*13/4$$

$$=132.66$$

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

$$36.34SQM$$

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

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

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

$$= (19.36*11.5sqm+36.34sqm)$$

$$=(222.64+36.34)sqm$$

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

**Total Proposed Protected Forest Area for Diversion**

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

$$= (258.98+232.32+258.98sqm$$

$$= 750.28sqm$$

$$= 0.075028Ha$$

**Non Forest Area is As Per Layout Plan = 35MX35M**

$$=1225SQM$$

$$=0.1225Ha$$

For Essar Oil Ltd.  
*[Signature]*  
Authorised Signatory  
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