Protected Forest Land Calculation Sheet

Forest Land Proposed for Exit/Entry of Essar Oil Limited Retail Outlet on Balamau-Sandila Road (SH-25), At Khasra No.184, Village: Raiso, Tehsil: Sandeela, District: Hardoi (Uttar Pradesh)

Area As per Approved Layout Plan.

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

$$= 36.34+ (17.0*11.5)sqm$$

$$= (36.34+195.5)sqm$$

$$=231.84sqm$$

Curve Radius= 13*13= 169

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

$$=132.66$$

Area of Curve Polygon= 169-132.66

36.34SQM

Protected Forest Land B/W Entry /Exit= Polygon (B1 C1 D2 A2) = (17.0x12.0)sqm

Protected Forest Land B/W Entry and Exit = 204sqm

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

$$= (17.0x11.5sqm+36.34sqm)$$

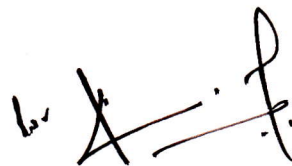$$=(195.5+36.34)sqm$$

Protected Forest Area for Exit from Petrol Pump=231.84sqm

Total Proposed Protected Forest Area for Diversion

= 231.84sqm (Entry) +204sqm (Forest Area B/W Entry &Exit) + 231.84sqm (Exit)

= (231.84+204.0+231.84)sqm

= 667.7sqm

= 0.06677 Ha

Essar Oil Limited

Divisional Office, Lucknow (U.P)