Area Calculation

(Protected Forest Area proposed for diversion for non forestry Use)

Proposed Essar Oil Limited Retail Outlet On Bareilly-Mathura-Bharatpur Road, (SH-33) At KHASRA No.-165 Ka & 166, Villege: Nagla Shisham, Tehsil: Hathras, District: Hathras (Uttar Pradesh)

Area Calculation Measurements on basis of Georeferenced Map & Layout Plan. Entry to Petrol Pump=Curve Polygon (ABA1) + Polygon (B B1 A2 A1)

= 36.34+ (19.37x9.0)sqm

= (36.34+174.33)sqm

=210.67sqm

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 and Exit= Polygon (B1 C1 D2 A2) = (19.37x12)sqm

Protected Forest Land B/W Entry and Exit = 232.44sqm

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

= (19.36x9.0sqm+36.34sqm)

Protected Forest Area for Exit from Petrol Pump= 210.67sqm

Total Proposed Protected Forest Area for Diversion

= 210.67sqm (Entry) +232.44sqm (Forest Area B/W Entry &Exit) + 210.67sqm (Exit)

= (210.67+232.44+210.67)sqm

= 653.78sqm

= 0.065378Ha