Protected Forest Land Calculation Sheet

Proposed Forest Land for Exit/Entry of BPCL Retail Outlet on Gonda-Faizabad Road (SH-30), At Khasra No.342, Near KM Stone No.79, Village: Banghusra, Tehsil: Tarabganj, District: Gonda

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

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) = (19.36x12.0)sqm
Protected Forest Land B/W Entry and Exit = 232.32sqm

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

= (19.36x11.5sqm+36.34sqm)

=(222.64+36.34)sqm

Protected Forest Area for Exit from Petrol Pump=258.98sqm

Total Proposed Protected Forest Area for Diversion

= 258.98sqm (Entry) +232.32sqm (Forest Area B/W Entry &Exit) + 258.98sqm (Exit)

= (258.98+232.32+258.98)sqm

= 750.28sqm

= 0.075028Ha