Protected Forest Land Calculation Sheet

Proposed Forest Land for Exit/Entry of BPCL Retail Outlet on Gonda-Utraula Road (MDR-18E), At Khasra No:-269, Near KM.Stone No.19, Village:- Belhari, Tehsil:- Gonda,District:- Gonda (Uttar Pradesh)

Area As per Approved Layout Plan.

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

= 36.34+ (14.78*11.5)sqm

= (36.34+169.97)sqm

=206.31sqm

Curve Radius= 13*13= 169
πr^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) = (14.78x12.56)sqm
Protected Forest Land B/W Entry and Exit = 185.637sqm

Exit from Petrol Pump= Polygon (C1 C D1 D2) +Polygon Curve (C D D1)
= (14.78x11.5sqm+36.34sqm)
=(169.97+36.34)sqm

Protected Forest Area for Exit from Petrol Pump=206.31sqm
Total Proposed Protected Forest Area for Diversion
= 206.31sqm (Entry) +185.637sqm (Forest Area B/W Entry &Exit) + 206.31sqm (Exit)
= (206.31+185.637+206.31sqm
= 598.26sqm
= 0.059826Ha
Non Forest Area is As Per Layout Plan = (35.56+35.7)M/2X(34.29+44.32)M/2
=(35.63x39.305)SQM
=1400.4SQM
=0.14004