Area Calculation Sheet as per Approved Layout Plan

PROPOSED PROTECTED FOREST LAND TO BE DIVERTED FOR ENTRY/EXIT OF BPCL RETAIL OUTLET ON MEERUT – BAGHPAT – SONIPAT ROAD (SH-14), IN KM. NO. 53 (CH. NO. 52.500, LHS), AT KHASRA NO – 586 & 589, VILLAGE:- MALYANA, TEHSIL:- SADAR MEERUT, DISTRICT:- MEERUT (U.P.)

Description		Length (in meters)	Width (in meters)	Proposed Forest Land Area (in SqM)
Approach to Entry of retail outlet	Curve Polygon (M N F)	radius (r_1)= 13.0m	radius (r_2)= 13.0m	**Curve Radius** = ($r_1 \times r_2$) = 13.0m × 13.0m = 169.0 SqM $\pi r^2/4$ =3.14 ×13.0 × 13.0/4 =132.665 SqM **Area of Curve Polygon** = (169.0 – 132.665) SqM = 36.34 SqM
	Polygon (G F M L)	11.50	15.86	= (11.50m × 15.86m) = 182.39 SqM
Area of Approach to Entry of retail outlet				= (36.34 + 182.39) SqM **= 218.73 SqM**
Forest land B/W Entry and Exit	Polygon (G H K L)	7.67	15.86	= (7.67m x 15.86m) SqM = 121.6462 SqM
Area of Forest land B/W Entry and Exit				**= 121.6462 SqM**
Approach to Exit from retail outlet	Curve Polygon (A J I)	radius (r_1)= 13.0m	radius (r_2)= 13.0m	**Curve Radius** = ($r_1 \times r_2$) = 13.0m × 13.0m = 169.0 SqM $\pi r^2/4$ =3.14 ×13.0 × 13.0/4 =132.665 SqM **Area of Curve Polygon** = (169.0 – 132.665) SqM = 36.34 SqM
	Polygon (A J K H)	11.50	15.86	= (11.50m × 15.86m) = 182.39 SqM
Area of Approach to Exit from retail outlet				= (36.34 + 182.39) SqM **= 218.73 SqM**

Total Proposed Protected Forest Area for Diversion

= 218.73 SqM (Entry) + 121.6462 SqM (Forest Area B/W Entry & Exit) + 218.73 SqM (Exit)
= **559.1062 Sqm ≈ 0.055911 Ha.**

Non-Forest Land Area as per Layout Plan
= 1500.0 SqM = **0.15 Ha.**

24/10/2019

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