# Area Calculation Sheet

**Forest Land for Exit/Entry for SITI ENERGY CNG Station on Moradabad-Hardwar-Dehradun Road SH-49 at KM.1(CH.13.552-13.600)Khasra No.242 Village:Ladavali District:Moradabad (Uttar Pradesh)**

Area As per Approved Layout Plan.

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

$$= 36.34 + (20.11 * 12.0)sqm$$

$$= (36.34 + 241.32)sqm$$

$$= 277.66sqm$$

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) =** (20.11x12.0)sqm

**Protected Forest Land B/W Entry and Exit = 241.32**sqm

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

$$= (20.11x12.0sqm + 36.34sqm)$$

$$= (241.32 + 36.34)sqm$$

**Protected Forest Area for Exit from Petrol Pump=277.66**sqm
**Total Proposed Protected Forest Area for Diversion**
= 277.66sqm (Entry) +241.32sqm (Forest Area B/W Entry &Exit) + 277.66sqm (Exit)
= (277.66+241.32+277.66)sqm

= **796.64sqm**

= **0.079664Ha.**

**Non Forest(Private Plot)**    =45MX36M

=1620SQM

0.162Ha.

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