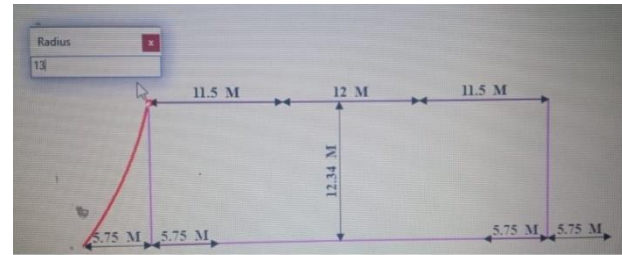
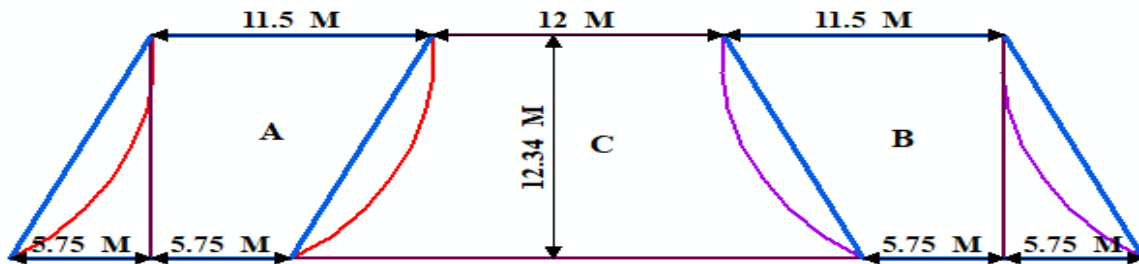


## Protected Forest Land Area Calculation

- A. Forest Area Calculation for Entry
- B. Forest Area Calculation for Exit
- C. Forest Area Calculation for Separator Island



### A. Forest Area Calculation for Entry (A):



A is a Parallelogram in Shape so Area of Parallelogram is calculated by below mathematical formula

$$\begin{aligned}\text{Area of A} &= \text{Length of Base} * \text{Height Sq M} \\ &= 11.5 * 12.34 \text{ Sq M}\end{aligned}$$

$$\text{Area of A} = 141.91 \text{ Sq. M}$$

### B. Forest Area Calculation for Exit (B):

It is same in shape as A, thus area of Exit must be

$$\text{Area of B} = 141.91 \text{ Sq M}$$

### C. Forest Area Calculation for Separator Island (C)

The Area is Calculated by Arc GIS is shown below

$$\text{Area of C} = 183.55 \text{ Sq M}$$

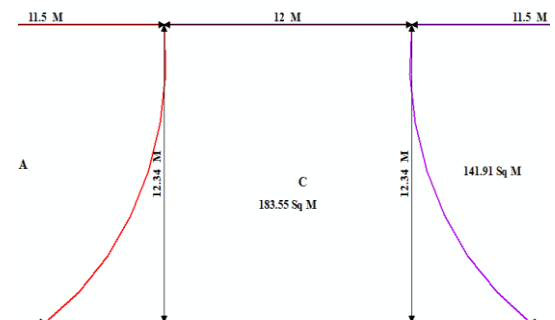
$$\text{Total Area} = \text{Area of (A)} + \text{Area of (B)} + \text{Area of (C)}$$

$$= 141.91 + 141.91 + 183.55 \text{ Sq M}$$

$$\text{Total Area (Sq.m.)} = 467.37 \text{ Sq M}$$

$$\text{Total Area (Ha)} = 0.046737 \text{ Ha.}$$

$$\text{Total Area (Ha)} = 0.04674 \text{ Ha.}$$



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