

**PROPOSED FOREST LAND AREA CALCULATION SHEET AS PER P.W.D. APPROVED LAYOUT PLAN OF THE PROPOSED NEW  
RETAIL OUTLET AT VILLAGE-SADABAD, TEHSIL-SADABAD, DISTT.-HATHRAS (U.P.)**

**AREA CALCULATION SHEET AS PER P.W.D. APPROVED LAYOUT PLAN OF THE PROPOSED SITE**

S.NO.	NAME OF THE LOCATION	APPROACH ROAD FOR ENTRY/ EXIT		LENTH (IN METER)	WIDTH (IN METER)	AREA (IN SQ. METER)	TOTAL AREA (IN SQ. METER)	NATURE OF THE LAND
1	2	3		4	5	6	7	8
1	SADABAD-MATHURA ROAD (M.D.R.-102)	ENTRY ROAD	PART-B	14.800	11.500	170.200	206.530	ROAD SIDE PROTECTED FOREST LAND
			PART-A	84.5-48.165		36.33		
2	VILLAGE-SADABAD, TEHSIL-SADABAD, DISTRICT-HATHRAS(U.P)	EXIT ROAD	PART-B	14.800	11.500	170.200	206.530	
			PART-A	84.5-48.165		36.33		
3	MIDDLE LAND BETWEEN ENTRY & EXIT ROAD			14.800	12.000	177.600	177.600	

**TOTAL AREA :- 590.66 Sq. Meter OR 0.0590 Hectare**

PART A = AREA OF SEGMENT

= AREA OF TRIANGLE- AREA OF CURVE

$$= \{1/2 \times B \times h\} - \{R^2[\cos^{-1}(R-H)/R] - (R-H)\sqrt{(2RXH-H^2)}\}$$

WHERE B= BASE OF TRIANGLE

h= HEIGHT OF TRIANGLE

R= RADIUS OF CURVE

H = HEIGHT OF SEGMENT

$$= \{1/2 \times 13 \times 13\} - \{13^2[\cos^{-1}(13-3.8)/13] - (13-3.8)\sqrt{(2 \times 13 \times 3.8 - 3.8^2)}\}$$

$$= \{84.5\} - \{132.665 - 84.49\}$$

$$= 84.5 - 48.165$$

$$= 36.33 \text{ SQM}$$

PART B = AREA OF RECTANGLE

$$= 11.50 \times 14.8$$

$$= 170.2 \text{ SQM}$$

TOTAL AREA OF ENTRY ROAD = PART A + PART B

$$= 36.33 + 170.2$$

$$= 206.53 \text{ SQM}$$

TOTAL AREA OF EXIT ROAD = PART A + PART B

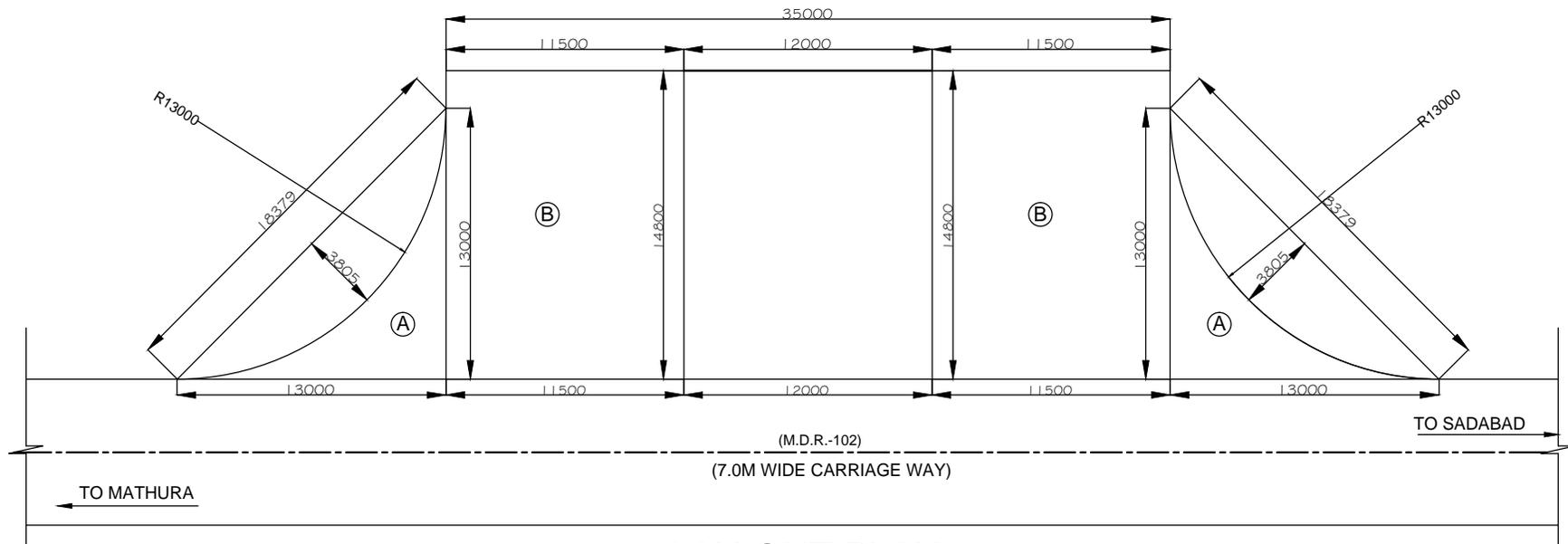
$$= 36.33 + 170.2$$

$$= 206.53 \text{ SQM}$$

Area of the Middle Land b/w entry and exit road =  $(12.00 \times 14.80) = 177.60 \text{ Sq. Mtr.}$

Total Area = Entry Road + Exit Road + Middle land =  $206.53 + 206.53 + 177.60 = 590.66 \text{ Sq. Mtr. OR}$   
**0.0590 Hectare**

**SUBJECT:**  
**LAYOUT PLAN OF NEW RETAIL-OUTLET ON**  
**M.D.R. 102 AT SADABAS-MATHURA ROAD,**  
**VILL. :- SADABAD**  
**KHASRA NO :- 10/ 2, 11/ 2**  
**TEH. :- SADABAD,**  
**POL. STATION:- SADABAD**  
**NEAREST RLY- HATHRAS**  
**DISTT.- HATHRAS (U.P.)**



**LAY-OUT PLAN**

**SCALE = 1:200**