

**PROPOSED FOREST LAND AREA CALCULATION SHEET AS PER P.W.D. APPROVED LAYOUT PLAN OF THE PROPOSED NEW RETAIL OUTLET AT KM 135, CHAINAGE 134.022, KHASARA NO.- 489, VILLAGE-MANPUR NAGARIA, TEHSIL-KASGANJ, DISTRICT.-KASGANJ (U.P.)**

SL. NO.	NAME OF THE LOCATION	APPROACH ROAD FOR ENTRY/ EXIT/ MIDDLE	4	5	6	7	8	9
			LENGTH (IN METER)	WIDTH (IN METER)	AREA (IN SQ. METER)	TOTAL AREA (IN SQ. METER)	NATURE OF THE LAND	
1	2	3						
I	PILIBHIT-BAREILLY-MATHURA ROAD (SH-33), KMS 135 CHAINAGE 134.022KHASARA NO.- 489,VILL-MANPUR NAGARIA,TEH.-KASGANJ, DISTT.- KASGANJ, IN STATE OF UTTAR PRADESH	ENTRY ROAD	PART-A	84.50-48.16	36.34	311.34	ROAD SIDE PROTECTED FOREST LAND	
II		MIDDLE LAND BETWEEN ENTRY & EXIT ROAD	PART-B	-	275.00	311.34		
III		EXIT ROAD	PART-C	325.00	325.00	325.00		
IV			PART-A	84.50-48.16	36.34			
V			PART-B	-	275.00	311.34		

**TOTAL AREA: -947.68 SQM**

**=0.09476800 HECTARE**

**PART A = AREA OF SEGMENT**

= AREA OF TRIANGLE (ABC) OR (A')- AREA OF CURVE

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

WHERE, b= BASE OF TRIANGLE

h= HEIGHT OF TRIANGLE

R= RADIUS OF CURVE

H = HEIGHT OF SEGMENT

= $\{1/2 \times 13X 13\} - \{13^2[\cos^{-1}(13-3.808)/13] - (13-3.808)\sqrt{(2 \times 13X3.808-3.808^2)}\}$

Place : Mathura

Date : 10.1.2018

(Tensesh chaturvedi)  
 शाहद-बी, पी. रिकार्डिंग, मथुरा-281005  
 सॉफ्टवेयर-1, खंड नं 26, संवर्धन परिसर,  
 फाता परिसर, फाता, कानपुर-201002  
 12345 (12345) 12345

$$= \{84.50\} - \{132.665-84.50\}$$

$$= 84.50-48.16$$

$$= 36.34\text{SQM}$$

**PART B= AREA OF RECTANGLE (B')**

$$= 11.00 \times 25.00$$

$$= 275.00\text{ SQM}$$

**PART C= AREA OF RECTANGLE (B')**

$$= 13.00 \times 25.00$$

$$= 325.00\text{ SQM}$$

**TOTAL AREA OF ENTRY ROAD = PART A + PART B**

$$= 36.34\text{SQM} + 275.00\text{ SQM}$$

$$= 311.34\text{ SQM}$$

**TOTAL AREA OF EXIT ROAD= PART A + PART B**

$$= 36.34\text{SQM} + 275.00\text{ SQM}$$


$$= 311.34\text{ SQM}$$

**AREA OF THE MIDDLE LAND BETWEEN ENTRY AND EXIT ROAD = PART C**

$$= 325.00\text{ SQM}$$

**TOTAL AREA = ENTRY ROAD + EXIT ROAD + MIDDLE LAND = 311.34 + 311.34 + 325.00 = 947.68 SQM**

**OR 0.094768 HECTARE**

  
(Tonesh Chaturvedi)

प्रादेशिक राजपत्र (रिजल) मधुवा  
नारदा प्रोविन्सियल कॉम्प्लेक्स लिमिटेड  
प्लॉट सी-1, रोड नं 26, इंजिनियरिंग परिसर,  
साइड-बी, पो. रिवाइसनी, मधुवा-281005

Place: Mathura

Date: 10.1.2018

**NONFOREST LAND USE BY PROPOSED NEW RETAIL OUTLET AT BETWEEN KM 135, CHAINAGE 134.022,**

**KHASARA NO. - 489, VILLAGE-MANPUR NAGARIA, TEHSIL-KASGANJ, DISTRICT.-KASGANJ (U.P.)**

MKD NO.	NAME OF THE LOCATION	NON FOREST LAND		TOTAL AREA (IN SQ. METER)
		PART-A	PART-B	
1	PILBHIT-BAREILLY-MATHURA ROAD (SH-33), KMS 135 CHAINAGE 134.022 KHASARA NO. - 489, VILL- MANPUR NAGARIA, TEH. - KASGANJ, DISTT. - KASGANJ, IN STATE OF UTTAR PRADESH	578.150	646.855	1225.005
		TOTAL		

**NONFOREST PLOT AREA = 1225.005 SQM OR 0.122500 HECTARES**

**PART-A = AREA OF TRIANGLE (abc)**

$$S = (a+b+c/2)$$

$$= (35.00+40.510+35.00/2), A= \sqrt{s(s-a)(s-b)(s-c)}$$

$$S = 55.255$$

$$A= \sqrt{55.255(55.255-35.00)(55.255-40.510)(55.255-35.00)}$$

$$=578.150$$

**PART-B= AREA OF TRIANGLE (bcd)**

$$S = (b+c+d/2)$$

$$= (40.150+35+41.300/2), A= \sqrt{s(s-a)(s-b)(s-c)}$$

$$S = 58.405$$

$$A= \sqrt{58.405(58.405-40.510)(58.405-35)(58.405-41.300)}$$

$$=646.855$$

**TOTAL PLOT AREA = PART A + PART B = 578.150+646.855 = 1225.005 SQM = 0.122500 HAC.**

प्रतिपक्ष (रजि) मयूर  
मानव संश्लेषण विभाग  
कोट नं 26, इंदिरा नगर  
वाह-बी, गा. विभागा, मयूर-281005

PLACE : Mathura

Date : 04-01-2018

(Tonesh Chaturvedi)

Tonesh Chaturvedi