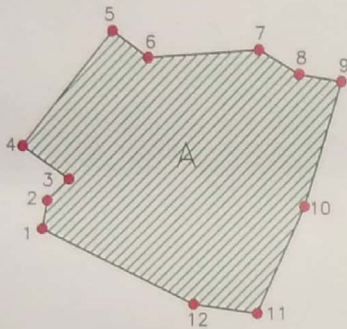
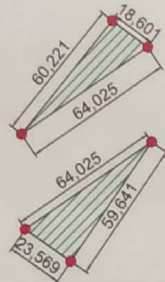


GEO REFERENCE MAP OF PROPOSED 765KV S/C AGRA-GREATER NOIDA TRANSMISSION LINE FOREST LAND NEAR VILLAGE- DHIRPUR, FIROZABAD



Formula of Area Calculation

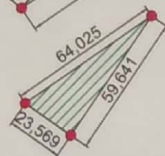
Area = $\sqrt{p(p-a)(p-b)(p-c)}$
Where p is half the perimeter, or $a+b+c/2$



$$p = 64.025 + 18.601 + 60.221 / 2 = 71.4235$$

$$\text{Area} = \sqrt{(71.4235 * 7.3985 * 52.8225 * 11.2025)} = 559.1899473$$

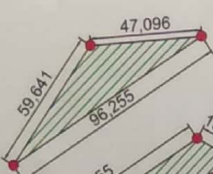
0.0559899473 Hectares



$$p = 59.641 + 64.025 + 23.569 / 2 = 73.6175$$

$$\text{Area} = \sqrt{(73.6175 * 13.9765 * 9.5925 * 50.0485)} = 702.831445$$

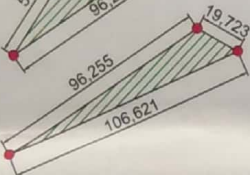
0.0702831445 Hectares



$$p = 96.255 + 47.096 + 59.641 / 2 = 101.496$$

$$\text{Area} = \sqrt{(101.496 * 5.241 * 54.4 * 41.855)} = 1100.537046$$

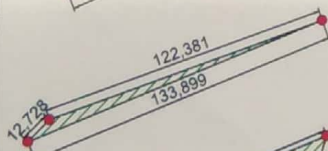
0.1100537046 Hectares



$$p = 106.621 + 19.723 + 96.255 / 2 = 111.2995$$

$$\text{Area} = \sqrt{(111.2995 * 4.6785 * 91.5765 * 15.0445)} = 846.9949548$$

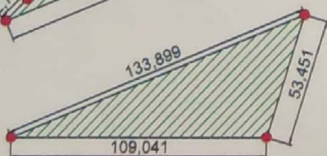
0.0846949548 Hectares



$$p = 133.899 + 122.381 + 12.728 / 2 = 134.4995$$

$$\text{Area} = \sqrt{(134.4995 * 0.6005 * 12.1185 * 121.7715)} = 345.2344309$$

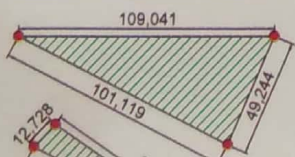
0.03452344309 Hectares



$$p = 109.041 + 53.451 + 133.899 / 2 = 148.1955$$

$$\text{Area} = \sqrt{(148.1955 * 39.1545 * 94.7445 * 14.2965)} = 2803.497788$$

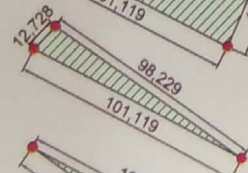
0.2803497788 Hectares



$$p = 101.119 + 49.244 + 109.041 / 2 = 129.702$$

$$\text{Area} = \sqrt{(129.702 * 28.583 * 80.458 * 20.661)} = 2482.490107$$

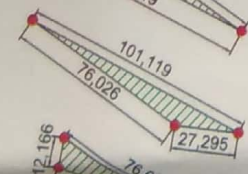
0.2482490107 Hectares



$$p = 101.119 + 98.229 + 12.728 / 2 = 106.038$$

$$\text{Area} = \sqrt{(106.038 * 4.919 * 7.809 * 93.31)} = 616.4970195$$

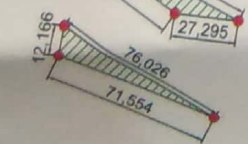
0.06164970195 Hectares



$$p = 76.026 + 27.295 + 101.119 / 2 = 102.22$$

$$\text{Area} = \sqrt{(102.22 * 26.194 * 74.925 * 1.101)} = 469.9762214$$

0.04699762214 Hectares



$$p = 71.554 + 76.026 + 12.166 / 2 = 79.873$$

$$\text{Area} = \sqrt{(79.873 * 8.319 * 3.847 * 67.707)} = 416.019262$$

0.0416019262 Hectares

Forest Area DGPS Coordinates

AREA	SL NO.	LATITUDE	LONGITUDE
A	1	27° 9'18.74"	78°17'55.95"
	2	27° 9'19.13"	78°17'56.01"
	3	27° 9'19.43"	78°17'56.33"
	4	27° 9'19.84"	78°17'55.60"
	5	27° 9'21.39"	78°17'56.97"
	6	27° 9'21.04"	78°17'57.53"
	7	27° 9'21.17"	78°17'59.23"
	8	27° 9'20.86"	78°17'59.86"
	9	27° 9'20.78"	78°18'0.51"
	10	27° 9'19.11"	78°17'59.97"
	11	27° 9'17.63"	78°17'59.28"
	12	27° 9'17.74"	78°17'58.30"

AREA PROPOSED FOR DIVERSION

Forest Area (m2)	Forest Area (ha.)
10253	1.0253

Legend

- Forest Area DGPS Coordinates
- Transmission Line Corridor In Forest area

SCALE
0 5 10 20 30 40
METERS



PROJECT:-	765KV S/C AGRA-GREATER NOIDA TRANSMISSION LINE
User Agency:-	GHATAMPUR TRANSMISSION LIMITED
Dwg. Title:-	765KV S/C AGRA-GREATER NOIDA PROPOSED TRANSMISSION LINE ROUTE (IN FIROZABAD FOREST DIVISION)

DATE:- 20/12/2019 DRAWING NO.-GTL/A-G/53

अशोक कुमार सिंह
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