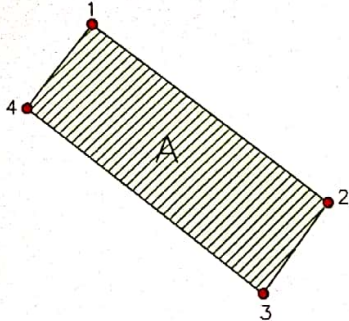


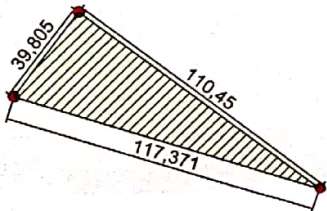
**PROPOSED COMPENSATORY AFFORESTATION LAND
GEO REFERENCE MAP OF PROPOSED 765KV S/C AGRA-GREATER NOIDA TRANSMISSION LINE
FOREST LAND NEAR VILLAGE- MANPUR, ETAH**



Forest Area DGPS Coordinates			
AREA	SL. NO.	LATITUDE	LONGITUDE
A	1	27°33'9.26"	78°42'2.88"
	2	27°33'7.17"	78°42'6.13"
	3	27°33'6.06"	78°42'5.25"
	4	27°33'8.24"	78°42'2.03"

Formula of Area Calculation

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

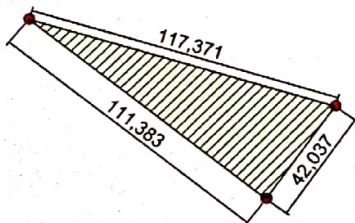


$$p = 110.45 + 117.371 + 39.805 / 2 = 133.813$$

$$\text{Area} = \sqrt{(133.813 * 23.363 * 16.442 * 94.008)} = 2198.23028$$

0.219823028 Hectares

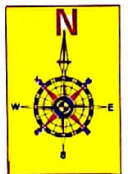
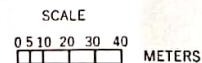
AREA PROPOSED FOR DIVERSION	
Forest Area (m2)	Forest Area (ha.)
4537	0.4537



$$p = 117.371 + 42.037 + 111.383 / 2 = 135.3955$$

$$\text{Area} = \sqrt{(135.3955 * 18.0245 * 93.3585 * 24.0125)} = 2338.9953$$

0.23389953 Hectares



Legend

- Forest Area DGPS Coordinates
- Compensatory Afforestation area

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 ETAH FOREST DIVISION)
DATE:- 20/02/2020	DRAWING NO.-GTL/A-G/59

प्रतिहस्ताक्षरित
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 सामाजिक वानिकी प्रभाग (एटा)
 13/3/2020