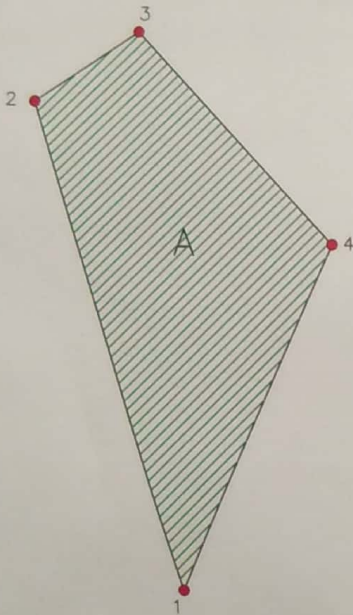


**GEO REFERENCE MAP OF PROPOSED 765KV S/C AGRA-GREATER NOIDA TRANSMISSION LINE
FOREST LAND NEAR VILLAGE- SUFIPUR, FIROZABAD**

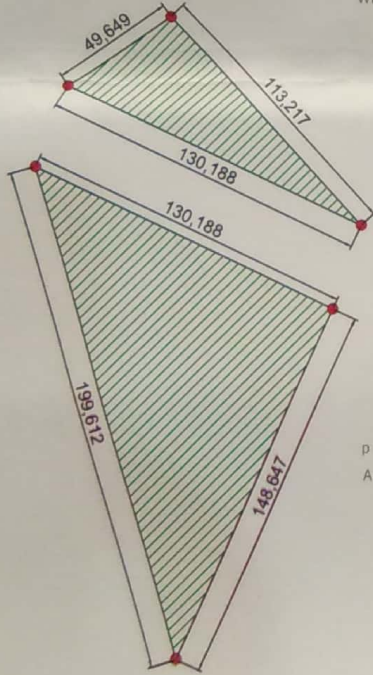


Forest Area DGPS Coordinates			
AREA	SL. NO.	LATITUDE	LONGITUDE
A	1	27° 8'2.98"	78°22'48.21"
	2	27° 8'9.14"	78°22'45.96"
	3	27° 8'10.08"	78°22'47.43"
	4	27° 8'7.44"	78°22'50.29"

AREA PROPOSED FOR DIVERSION	
Forest Area (m2)	Forest Area (ha.)
12453	1.2453

Formula of Area Calculation

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



$$p = 49,649 + 113,217 + 130,188 / 2 = 146,527$$

$$\text{Area} = \sqrt{(146,527 * 96,878 * 33,31 * 16,339)} = 2779.53063$$

0.277953063 Hectares

$$p = 130,188 + 148,647 + 199,612 / 2 = 239,2235$$

$$\text{Area} = \sqrt{(239,2235 * 109,0355 * 90,5765 * 39,6115)} = 9673.96009$$

0.967396009 Hectares

SCALE
0 5 10 20 30 40 METERS



- Legend**
- Forest Area DGPS Coordinates
 - Transmission Line Corridor In Forest 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 FIROZABAD FOREST DIVISION)
DATE:-20/12/2019 DRAWING NO.-GTL/A-G/52	

(अशोक कुमार सिंह)
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सामाजिक वानिकी प्रभाग फिरोजाबाद

क्षेत्रीय वन अधिकारी
दण्डत्वा रेंज (फिरोजाबाद)

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22/12/2020