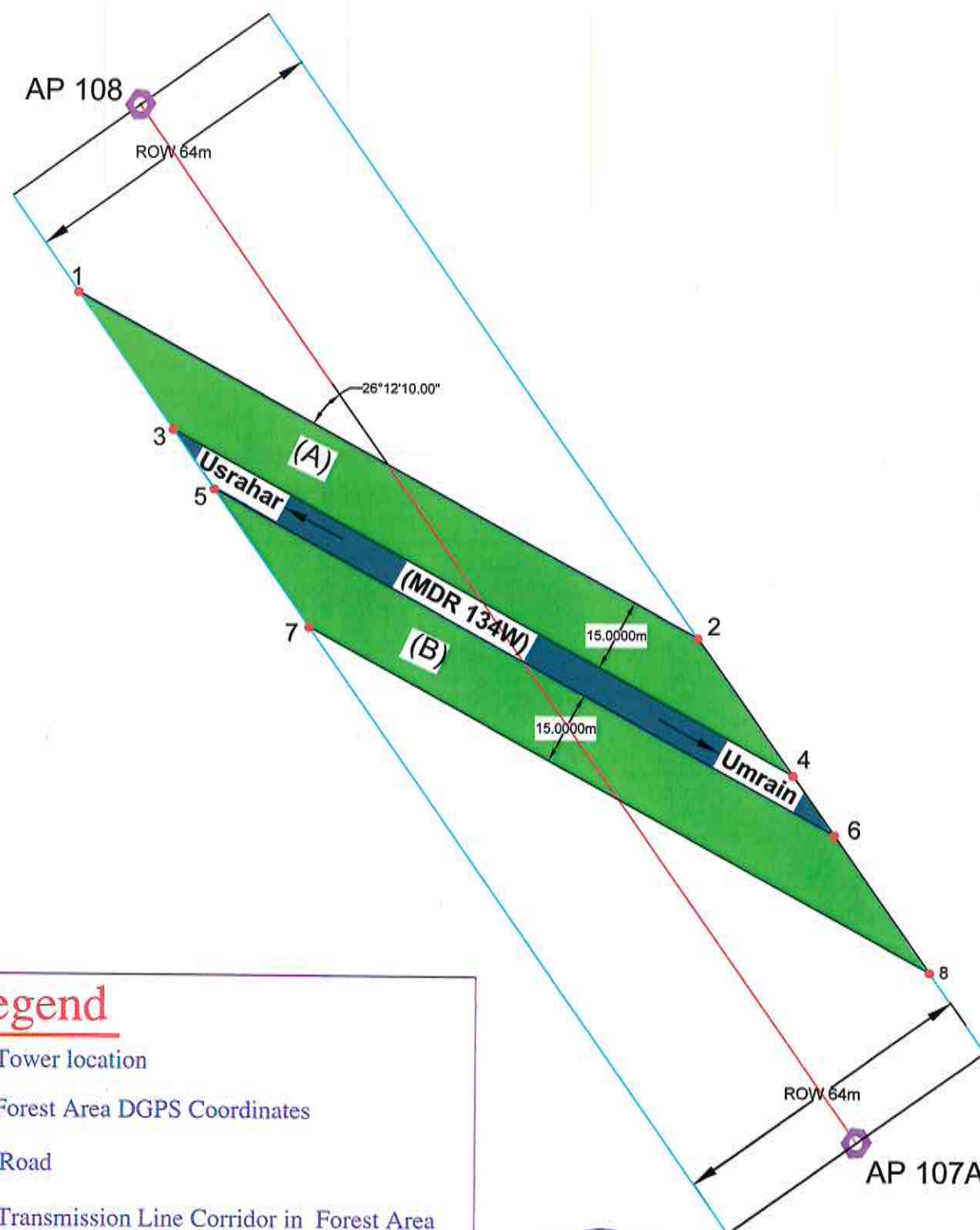


GEO-REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN MDR 134 W BIDHUNA - KISHNI ROAD NEAR HARKUNJ PUR VILLAGE.



Legend

- Tower location
- Forest Area DGPS Coordinates
- Road
- Transmission Line Corridor in Forest Area
- Transmission line Corridor in Non Forest Area

FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
	1	26°56'23.26"	79°19'35.51"
	2	26°56'21.07"	79°19'40.16"
	3	26°56'22.36"	79°19'36.23"
	4	26°56'20.18"	79°19'40.88"
	5	26°56'21.98"	79°19'36.55"
	6	26°56'19.79"	79°19'41.2"
	7	26°56'21.09"	79°19'37.27"
	8	26°56'18.9"	79°19'41.92"

Area Proposal of Forest

Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha.)
(15+15) 30m	64.0m	4346.9454	0.4348

Area Calculation For A & B

$$(A) \frac{64m}{\sin(26^{\circ}12'10.00'')} \times 15 = \frac{64m}{0.441549352} \times 15 = 2174.1624 \text{ m}^2 \\ = 0.21741624 \text{ Hectares}$$

$$(B) \frac{64m}{\sin(26^{\circ}12'10.00'')} \times 15 = \frac{64m}{0.441549352} \times 15 = 2174.1624 \text{ m}^2 \\ = 0.21741624 \text{ Hectares}$$

Total Forest area = 4348.3248 m²
0.4348 Hectares

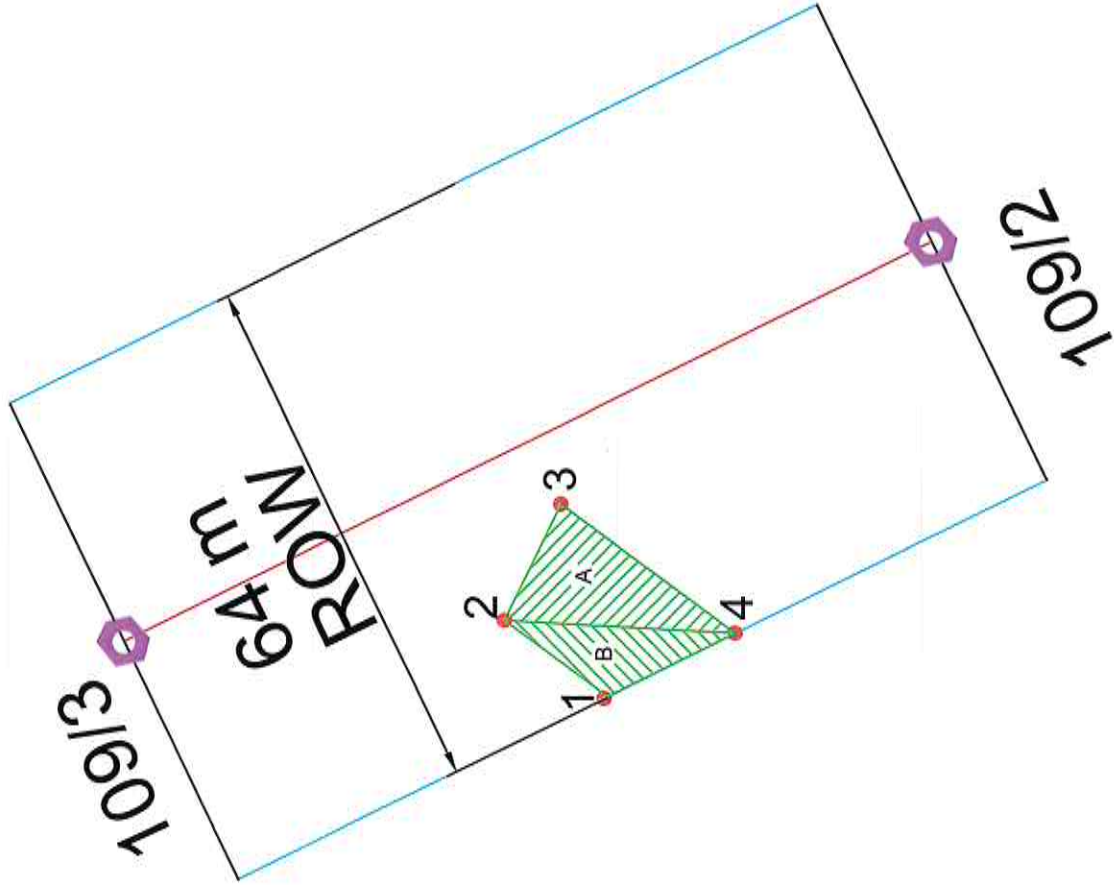
SCALE
0 5 10 20 30 40 Meters



PROJECT:-	765 KV S/C GHATAMPUR- HAPUR TRANSMISSION LINE
User Agency:-	GHATAMPUR TRANSMISSION LIMITED
Dwg. Title:-	765 KV S/C GHATAMPUR - HAPUR PROPOSED TRANSMISSION LINE ROUTE (IN ETAWAH FOREST DIV.)
DATE - 06/9/2019	DRAWING No - GTL/G-H/42

Kanpur Transmission
KANPUR
NAVAJEET CHADDA
KANPUR

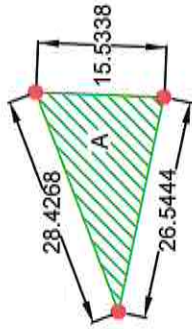
GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE BACHROI
RANGE- BHARTHANA
BEAT - SIRSAI NAGAR (BLOCK No: 34)
DISTRICT - ETAWAH (UTTAR PRADESH)



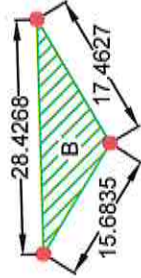
Forest Area DGPS Coordinate

FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
(A)	1	26°58'24.15"	79°17'48.11"
	2	26°58'24.56"	79°17'48.44"
	3	26°58'24.35"	79°17'48.95"
	4	26°58'23.64"	79°17'48.4"

Formula of Area Calculation
Area= $\sqrt{p(p-a)(p-b)(p-c)}$
Where p is half of the Perimeter.or $a+b+c/2$



$p = 28.4268 + 15.5338 + 26.5444 / 2 = 35.2525$
Area= $\sqrt{35.2525 * 6.8257 * 19.7187 * 8.7081} = 203.2682$



$p = 28.4268 + 17.4627 + 15.6835 / 2 = 30.7865$
Area= $\sqrt{30.7865 * 2.3597 * 13.3238 * 15.1030} = 120.9078$

Total Area = 203.2682+120.9078 = 324.1760 m²
Area= 0.0324 hectares



Area Proposal of Forest			
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha.)
4,0299	64.0	324.1760	0.0324



Legend

- Tower location
- Forest Area DGPS Coordinates
- Transmission Line Corridor in Forest Area
- Transmission line Corridor in Non Forest Area

PROJECT:-	GHATAMPUR- HAPUR 765 KV S/C TRANSMISSION LINE
User Agency:-	GHATAMPUR TRANSMISSION LIMITED
Dwg. Title:-	GHATAMPUR - HAPUR 765 KV S/C PROPOSED TRANSMISSION LINE ROUTE (IN ETAWAH FOREST DIV.)
DATE - 06/9/2019	DRAWING No - GTL/G-H/42A