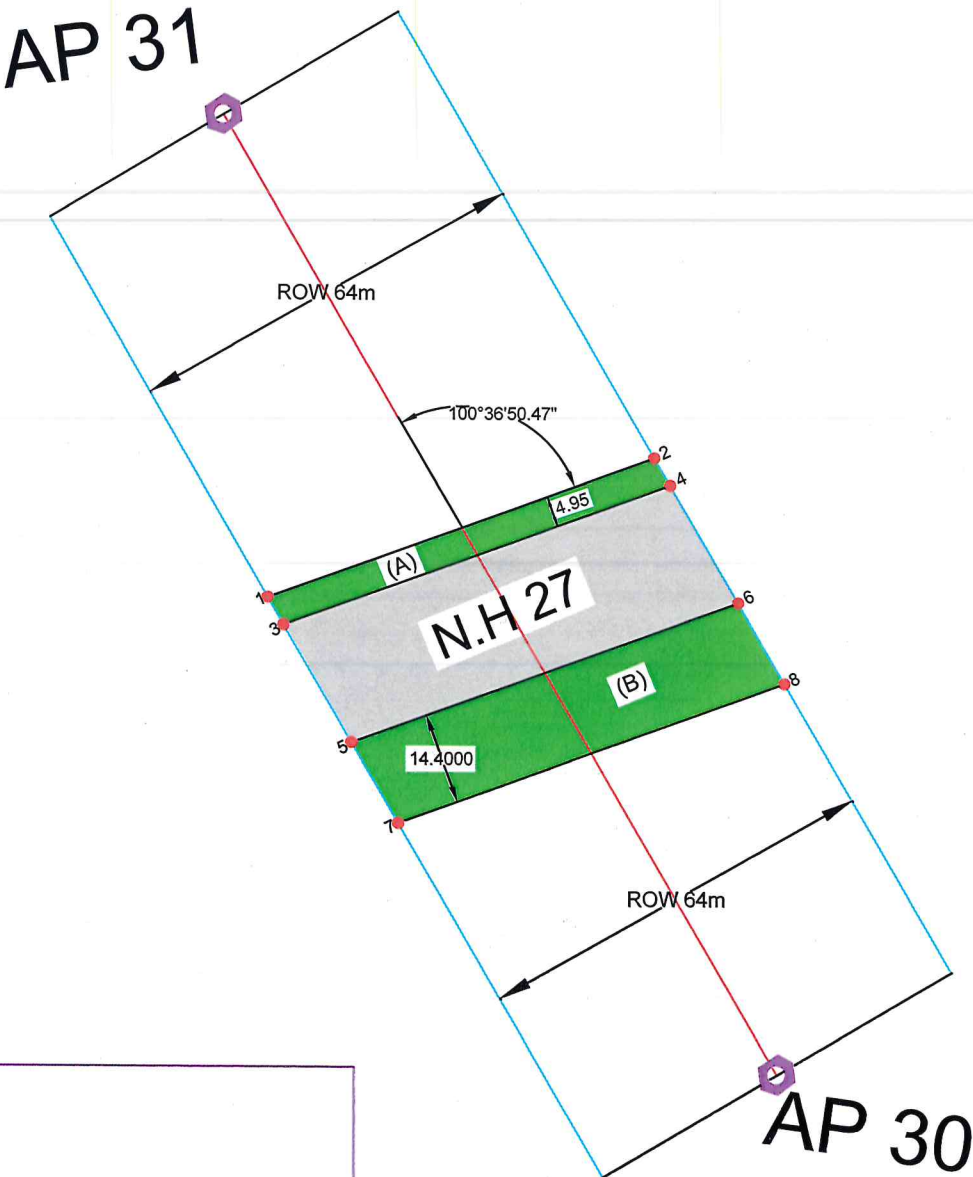


GEO-REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN
NH 27 NEAR VILLAGE DEEGA , MURADPUR



Legend

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

Stamp: Ghatampur Transmission Ltd. Kanpur
Date: 29.12.2019
Signature: NAVNEET CHADDA
Location: KANPUR

Forest Area DGPS Coordinate

FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
	1	26°17'7.28"	79°53'44.11"
	2	26°17'8.7"	79°53'45.85"
	3	26°17'7.18"	79°53'44.26"
	4	26°17'8.61"	79°53'45.99"
	5	26°17'6.76"	79°53'44.87"
	6	26°17'8.19"	79°53'46.61"
	7	26°17'6.47"	79°53'45.29"
	8	26°17'7.9"	79°53'47.03"

Area Proposal of Forest

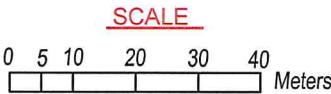
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha.)
(4.95+14.40)=19.35 m	64.0m	1259.9574	0.1260

Area Calculation For A & B

(A) $\frac{64m}{\sin(100^{\circ}36'50.47'')} \times 4.95 = \frac{64m}{0.982890309} \times 4.95 = 322.3147 \text{ m}^2$
 $= 0.03223 \text{ Hectares}$

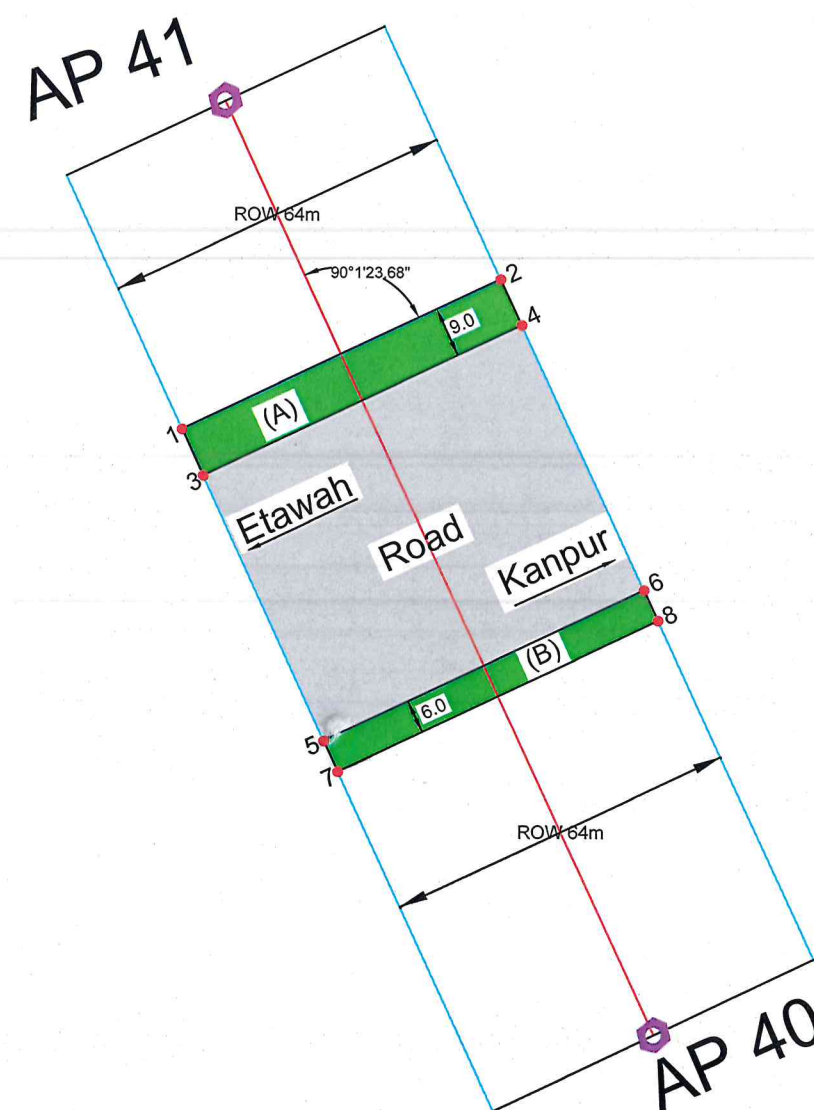
(B) $\frac{64m}{\sin(100^{\circ}36'50.47'')} \times 14.40 = \frac{64m}{0.982890309} \times 14.40 = 937.6427 \text{ m}^2$
 $= 0.09376427 \text{ Hectares}$

Total Forest area = 1259.9574 m²
0.12600 Hectares



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 KANPUR DEHAT FOREST DIV.)
DATE - 06/9/2019	
DRAWING No - GTL/G-H/16	

GEO-REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN NH-2 (Mile Stone No. 416 & 417)



FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
	1	26°21'22.38"	79°48'49.21"
	2	26°21'22.38"	79°48'51.5"
	3	26°21'22.08"	79°48'49.21"
	4	26°21'22.09"	79°48'51.5"
	5	26°21'20.39"	79°48'49.22"
	6	26°21'20.4"	79°48'51.51"
	7	26°21'20.19"	79°48'49.22"
	8	26°21'20.21"	79°48'51.51"

Area Proposal of Forest			
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha.)
(9.0+6.0)=15 m	64.0m	960.0000	0.0960

Area Calculation For A & B

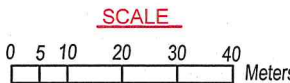
(A) $\frac{64m}{\sin(90^{\circ}01'23.68'')} \times 9.00 = \frac{64m}{0.999999917} \times 9.00 = 576.0000 \text{ m}^2$
=0.05760000 Hectares

(B) $\frac{64m}{\sin(90^{\circ}01'23.68'')} \times 6.00 = \frac{64m}{0.999999917} \times 6.00 = 384.0000 \text{ m}^2$
=0.03840000 Hectares

Total Forest area = 960.0000 m²
0.0960 Hectares

Legend

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



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 KANPUR DEHAT FOREST DIV.)
DATE - 06/9/2019 DRAWING No - GTL/G-H/16A	

GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND

RANGE- DERAPUR
BEAT- JHINJAK (BLOCK No.- N/A)
DISTRICT - KANPUR DEHAT (UTTAR PRADESH)

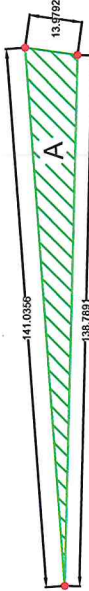
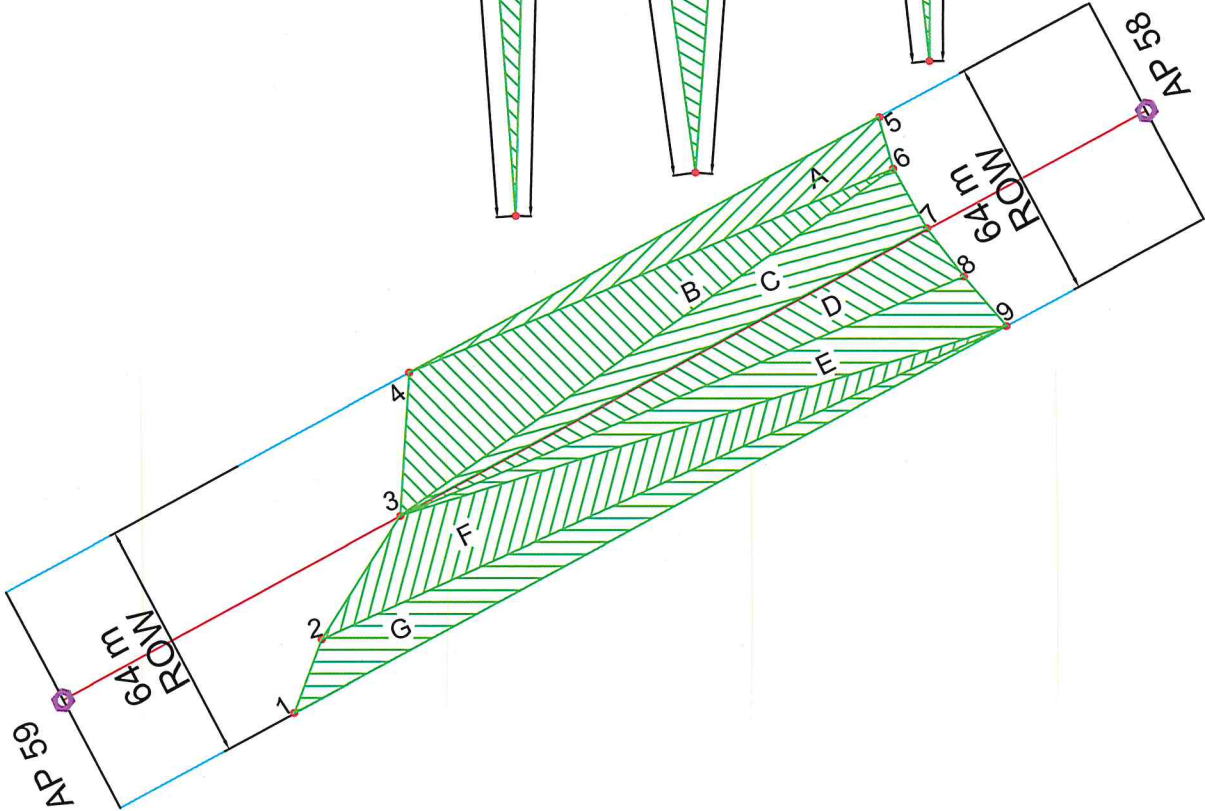
Forest Area DGPS Coordinate

FOREST AREA DGPS Coordinate s			
Area	SL NO.	Latitude(N)	Longitude(E)
(A)	1	26°32'23.33"	79°41'5.12"
	2	26°32'23.11"	79°41'5.81"
	3	26°32'22.44"	79°41'6.99"
	4	26°32'22.37"	79°41'8.34"
	5	26°32'18.35"	79°41'10.8"
	6	26°32'18.22"	79°41'10.31"
	7	26°32'17.93"	79°41'9.75"
	8	26°32'17.61"	79°41'9.3"
	9	26°32'17.24"	79°41'8.84"

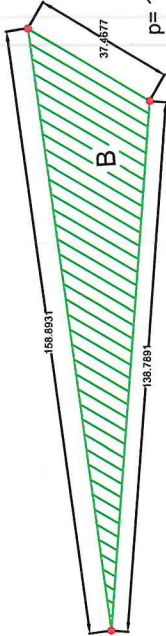
Formula of Area Calculation

Area= $\sqrt{p(p-a)(p-b)(p-c)}$

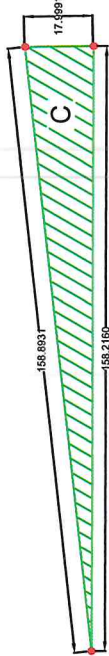
Where p is half of the Perimeter.or a+b+c/2



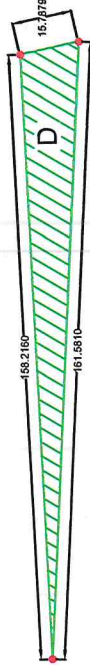
p= 141.036 +13.979 +138.789 /2=146.90195
Area= $\sqrt{146.90195 *5.8664 *132.9228 *8.1129} = 964.0158$



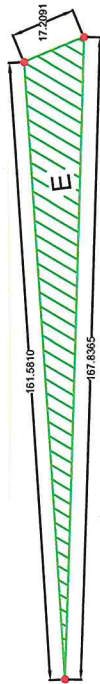
p= 158.893 +37.468 +138.789 /2 = 167.57495
Area= $\sqrt{167.57495 *8.6819 *130.1073 *28.7859} = 2334.2693$



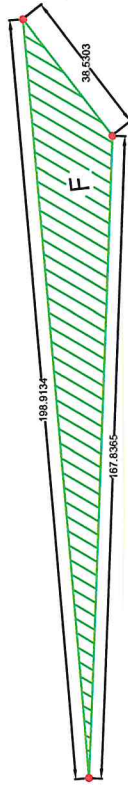
p= 158.893 +17.999 +158.216 /2 = 167.5541
Area= $\sqrt{167.5541 *8.6610 *149.5550 *9.3381} = 1423.6108$



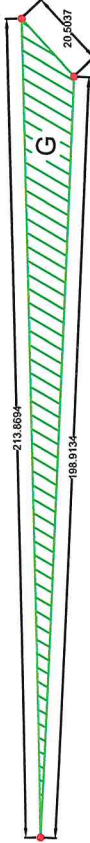
p= 158.893 +17.999 +158.216 /2 = 167.5541
Area= $\sqrt{167.5541 *8.6610 *149.5550 *9.3381} = 1423.6108$



p= 161.5810 +17.2091 +167.8365 /2 = 173.3133
Area= $\sqrt{173.3133 *11.7323 *156.1042 *5.4768} = 1318.4943$



p= 198.9134 +38.5303 +167.8365 /2 = 202.6401
Area= $\sqrt{202.6401 *3.7267 *164.1098 *34.8036} = 2076.8458$



p= 213.8694 +20.5037 +198.9134 /2 = 216.64325
Area= $\sqrt{216.64325 *2.7739 *196.1396 *17.7299} = 1445.6035$

Forest Area Proposed for diversion			
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha.)
108.6632	64	10794.5773	1.0795

Total Area = 964.0158+2334.2693+1423.6108+1231.7236+1318.4943+2076.8458+1445.6035 = 10794.5632 m²
Area= 1.0795 hectares



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 KANPUR DEHAT FOREST DIV.)

DATE - 06/9/2019

DRAWING No - GTL/G-H/17

GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND

RANGE- DERAPUR
BEAT- JHINJAK (BLOCK No.- N/A)
DISTRICT - KANPUR DEHAT (UTTAR PRADESH)

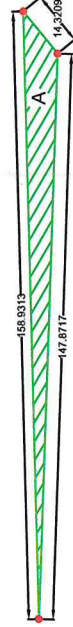
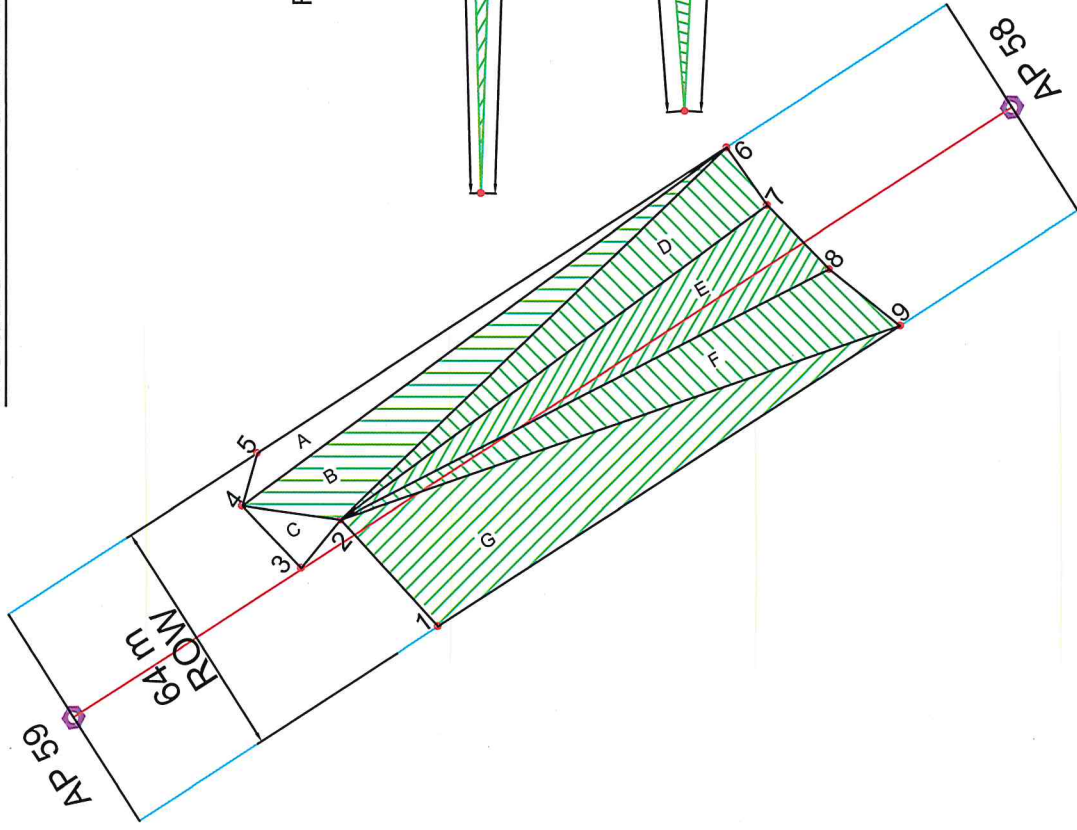
Forest Area DGPS Coordinate

FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
(B)	1	26°32'30.56"	79°41'0.71"
	2	26°32'31.33"	79°41'1.78"
	3	26°32'31.7"	79°41'1.35"
	4	26°32'32.17"	79°41'1.97"
	5	26°32'32.01"	79°41'2.46"
	6	26°32'27.8"	79°41'5.03"
	7	26°32'27.49"	79°41'4.46"
	8	26°32'26.99"	79°41'3.82"
	9	26°32'26.42"	79°41'3.24"

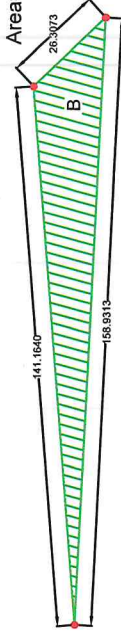
Formula of Area Calculation

Area= $\sqrt{p(p-a)(p-b)(p-c)}$

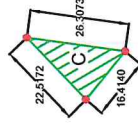
Where p is half of the Perimeter or a+b+c/2



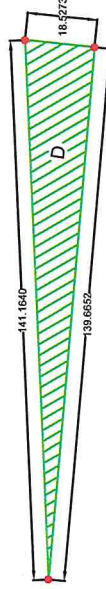
p= $\frac{158.8313 + 14.3209 + 147.8717}{2} = 160.56195$
Area= $\sqrt{160.56195 * 1.6307 * 146.2411 * 12.6903} = 697.0620$



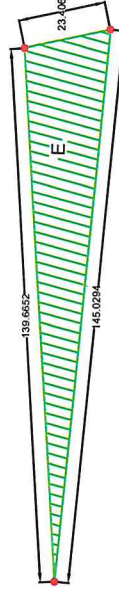
p= $\frac{141.1640 + 26.3073 + 158.9313}{2} = 163.2013$
Area= $\sqrt{163.2013 * 22.0373 * 136.8940 * 4.2700} = 1449.9304$



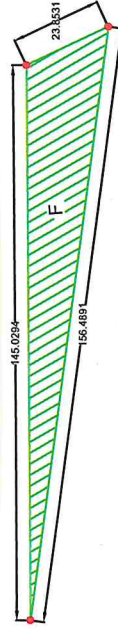
p= $\frac{22.5172 + 26.3073 + 16.4140}{2} = 32.61925$
Area= $\sqrt{32.61925 * 10.1021 * 6.3120 * 16.2053} = 183.5910$



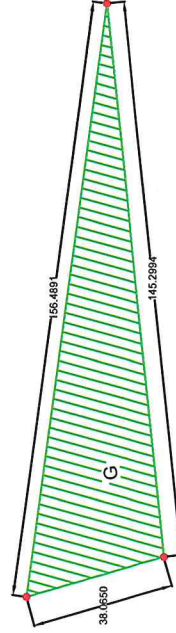
p= $\frac{141.1640 + 18.5273 + 139.6652}{2} = 149.67825$
Area= $\sqrt{149.67825 * 8.5143 * 131.1510 * 10.0131} = 1293.6639$



p= $\frac{139.6652 + 23.4067 + 145.0294}{2} = 154.05065$
Area= $\sqrt{154.05065 * 14.3855 * 130.6440 * 9.0213} = 1616.1122$



p= $\frac{145.0294 + 23.8531 + 156.4891}{2} = 162.6858$
Area= $\sqrt{162.6858 * 17.6564 * 138.8327 * 6.1967} = 1571.9981$



p= $\frac{156.4891 + 145.2994 + 38.0650}{2} = 169.92675$
Area= $\sqrt{169.92675 * 13.4377 * 24.6274 * 131.8618} = 2723.0825$

Total Area = $697.0620 + 1449.9304 + 183.5910 + 1293.6639 + 1616.1122 + 1571.9981 + 2723.0825 = 9535.4401 \text{ m}^2$
Area= 0.9535 hectares



Legend

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

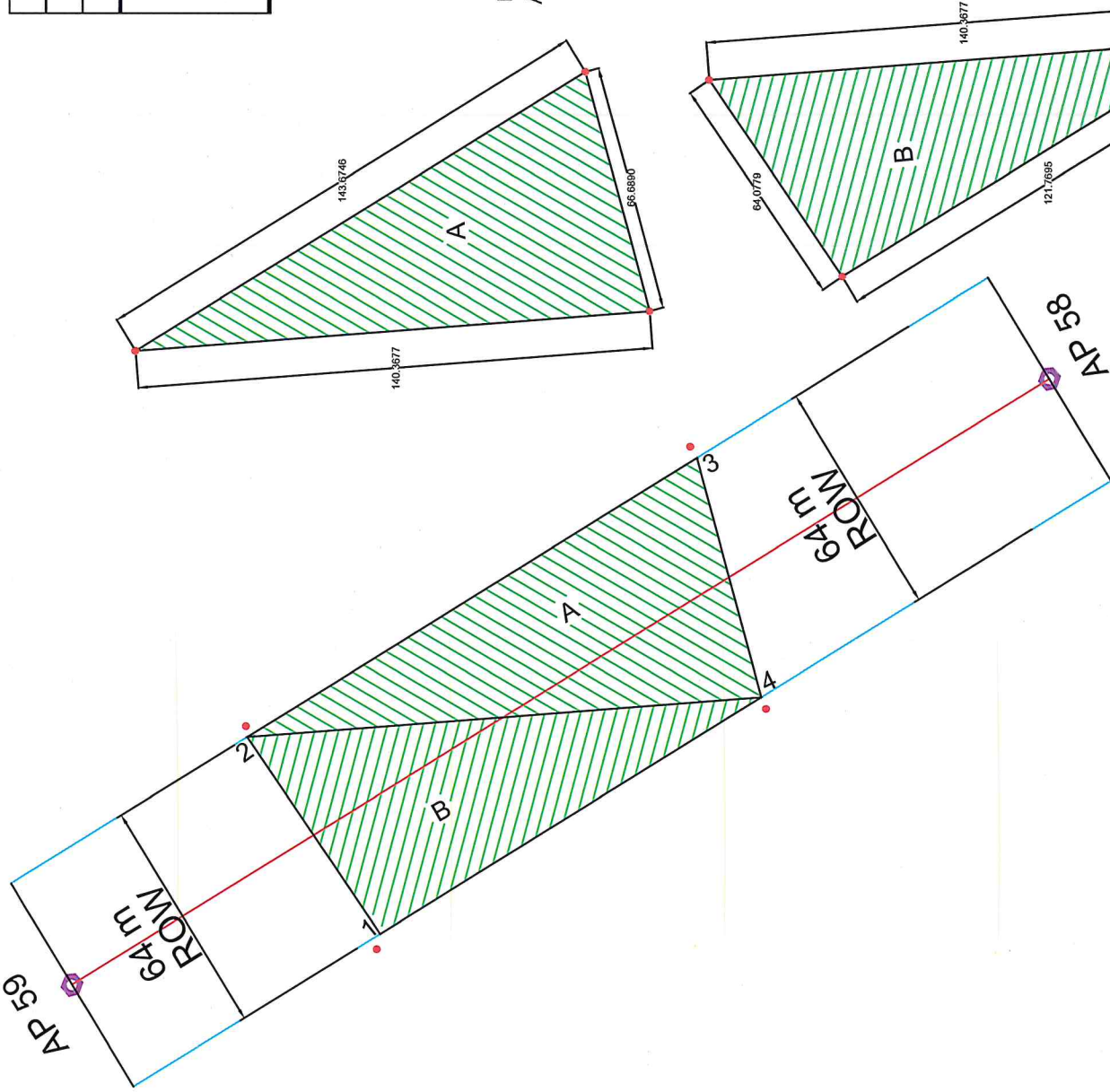


PROJECT:-	GHATAMPUR- HAPUR 765 KV S/C TRANSMISSION LINE
User Agency:-	GHATAMPUR TRANSMISSION LIMITED
Dwg. Title:-	GHATAMPUR - HAPUR 765 KV S/C PROPOSED TRANSMISSION LINE ROUTE (IN KANPUR DEHAT FOREST DIV.)

DATE - 06/9/2019 DRAWING No - GTL/G-H/18

GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND
RANGE- DERAPUR
BEAT- JHINJAK (BLOCK No.- N/A)
DISTRICT - KANPUR DEHAT (UTTAR PRADESH)

Forest Area DGPS Coordinate



FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
(C)	1	26°32'39.88"	79°40'55.02"
	2	26°32'40.97"	79°40'56.99"
	3	26°32'36.88"	79°40'59.49"
	4	26°32'36.41"	79°40'57.14"

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= 143.6746 +66.6890 +140.3677 /2 = 175.36565

Area= $\sqrt{175.36565 * 31.6911 * 108.6767 * 34.9980} = 4597.5875$

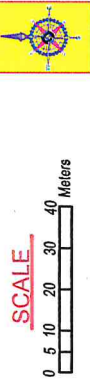
p= 64.0779 +140.3677 +121.7695 /2 = 163.10755

Area= $\sqrt{163.10755 * 99.0297 * 22.7399 * 41.3381} = 3896.6235$

Total Area =4597.5875+3896.6235 = 8494.2110 m²

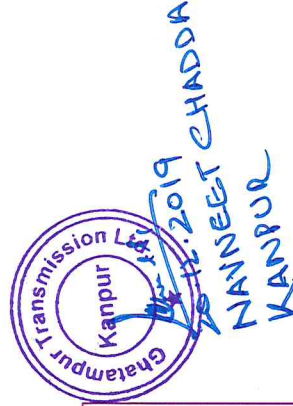
Area= 0.8494 hectares

Forest Area Proposed for diversion			
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha.)
132.7220	64	8494.2114	0.8494



Legend

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

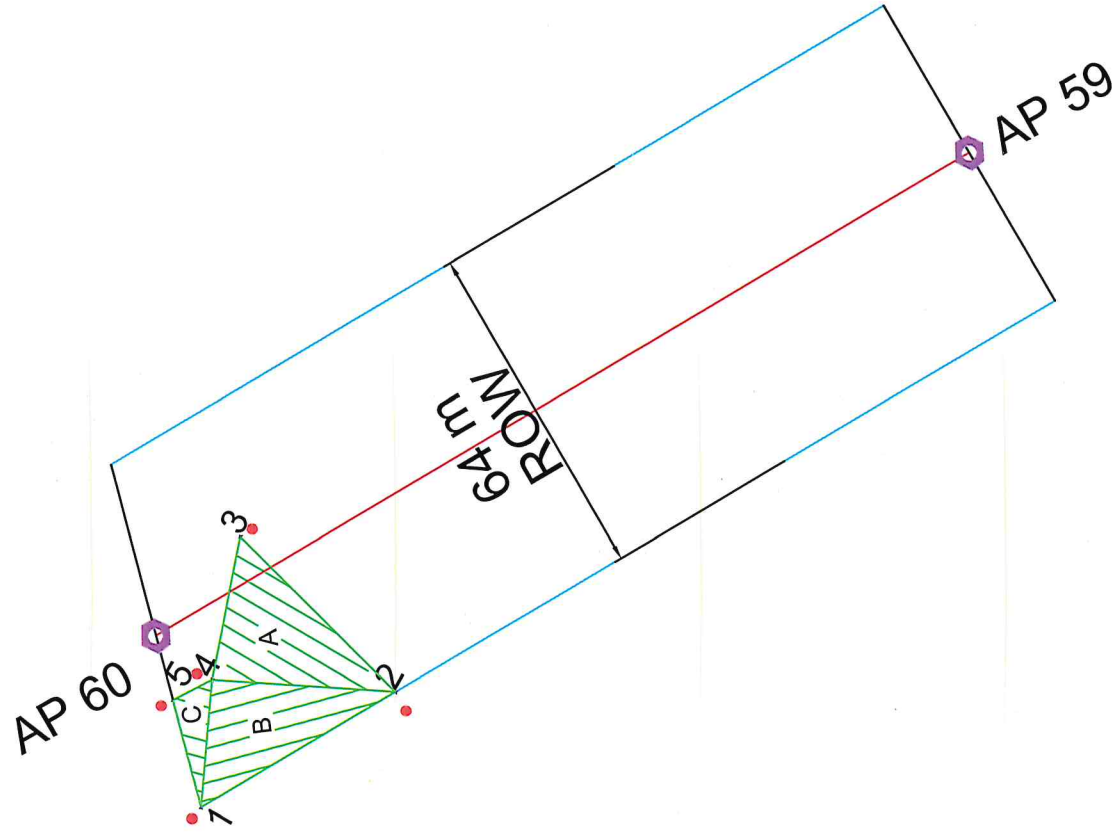


PROJECT:-	GHATAMPUR- HAPUR 765 KV S/C TRANSMISSION LINE
User Agency:-	GHATAMPUR TRANSMISSION LIMITED
Dwg. Title:-	GHATAMPUR - HAPUR 765 KV S/C PROPOSED TRANSMISSION LINE ROUTE (IN KANPUR DEHAT FOREST DIV.)

DATE - 06/9/2019

DRAWING No - GTL/G-H/19

GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND
RANGE- DERAPUR
BEAT- JHINJAK (BLOCK No.- N/A)
DISTRICT - KANPUR DEHAT (UTTAR PRADESH)

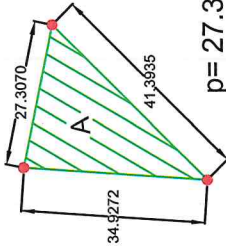


Forest Area DGPS Coordinate

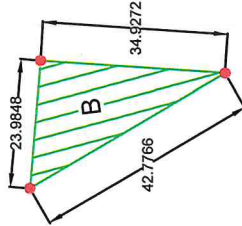
FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
(A)	1	26°32'56.39"	79°40'40.2"
	2	26°32'55.71"	79°40'41.54"
	3	26°32'57.01"	79°40'41.92"
	4	26°32'56.72"	79°40'40.99"
	5	26°32'56.87"	79°40'40.73"

Formula of Area Calculation

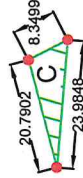
Area= $\sqrt{p(p-a)(p-b)(p-c)}$
Where p is half of the Perimeter.or a+b+c/2



p= 27.3070 +41.3935 +34.9272 /2 = 51.81385
Area= $\sqrt{51.81385 *24.5069 *10.4204 *16.8867}$ = 472.6934



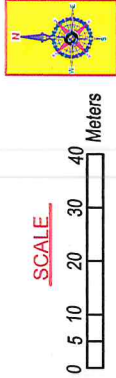
p= 23.9848 +34.9272 +42.7766 /2 = 50.8443
Area= $\sqrt{50.8443 *26.8595 *15.9171 *8.0677}$ = 418.7713



p= 20.7902 +8.3499 +23.9848 /2 = 26.56245
Area= $\sqrt{26.56245 *5.7723 *18.2126 *2.5777}$ = 84.8406

Total Area =472.6934+418.7713+84.8406 = 976.3054 m²
Area= 0.0976 hectares

Area Proposal of Forest			
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha.)
15.2547	64.0	976.3055	0.0976



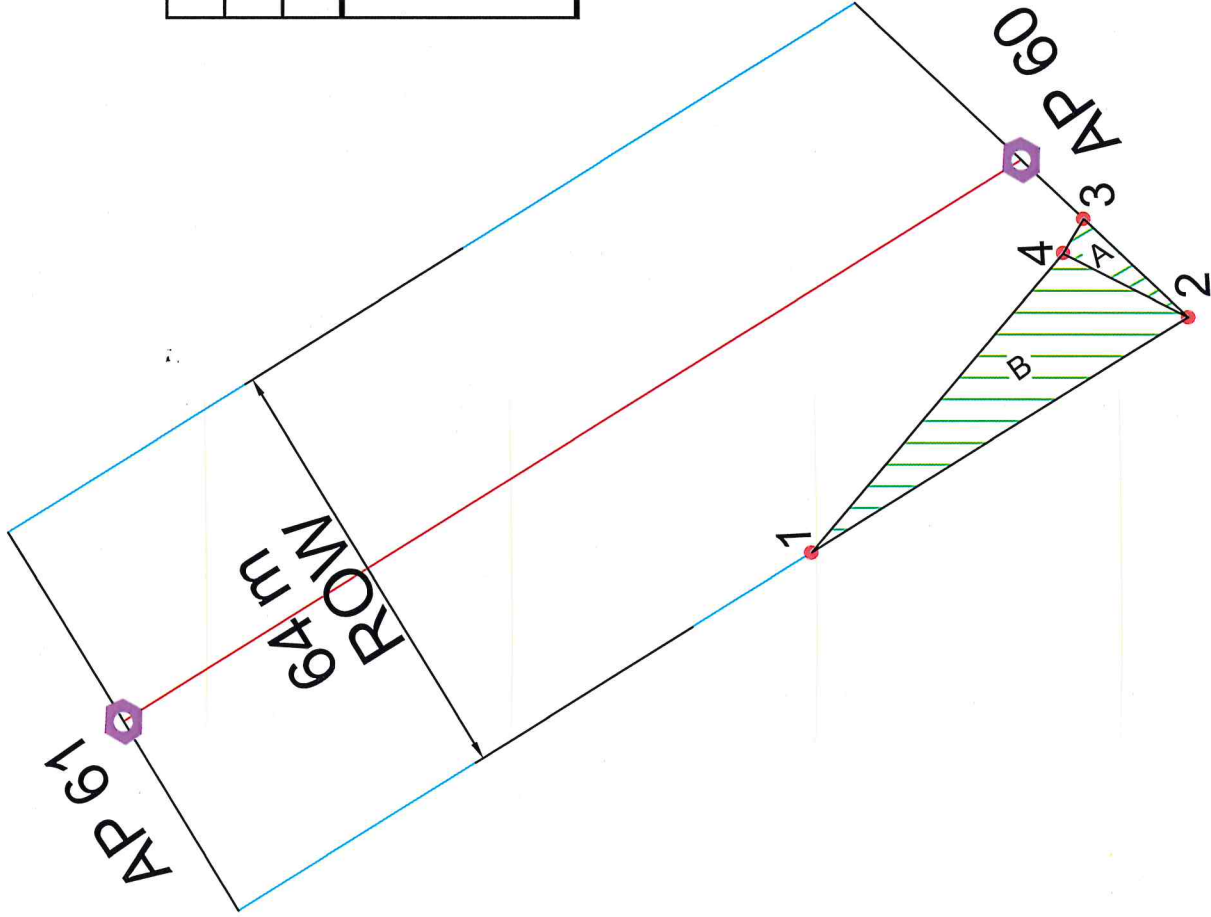
NANDEET CHADDA
KANPUR

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 KANPUR DEHAT FOREST DIV.)
DATE - 06/9/2019	DRAWING No - GTL/G-H/20

GEO - REFERENCED MAP OF FOREST LAND AND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND
RANGE- DERAPUR
BEAT- JHINJAK (BLOCK No.- N/A)
DISTRICT - KANPUR DEHAT (UTTAR PRADESH)

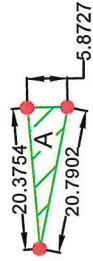


Forest Area DGPS Coordinate

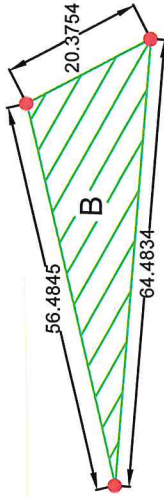
FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
(B)	1	26°32'58.22"	79°40'39.05"
	2	26°32'56.39"	79°40'40.2"
	3	26°32'56.87"	79°40'40.73"
	4	26°32'56.98"	79°40'40.56"

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



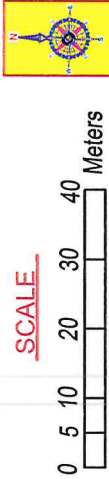
p= 20.3754 +5.8727 +20.7902 /2 = 23.51915
Area= $\sqrt{23.51915 * 3.1438 * 17.6465 * 2.7290}$ = 59.6707



p= 56.4845 +20.3754 +64.4834 /2 = 70.67165
Area= $\sqrt{70.67165 * 14.1872 * 50.2963 * 6.1883}$ = 558.6270

Total Area =59.6707 + 558.6270 = 618.2977 m²
Area= 0.0618 hectares

Area Proposal of Forest			
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha.)
9.6608	64.0	618.2965	0.0618



Legend

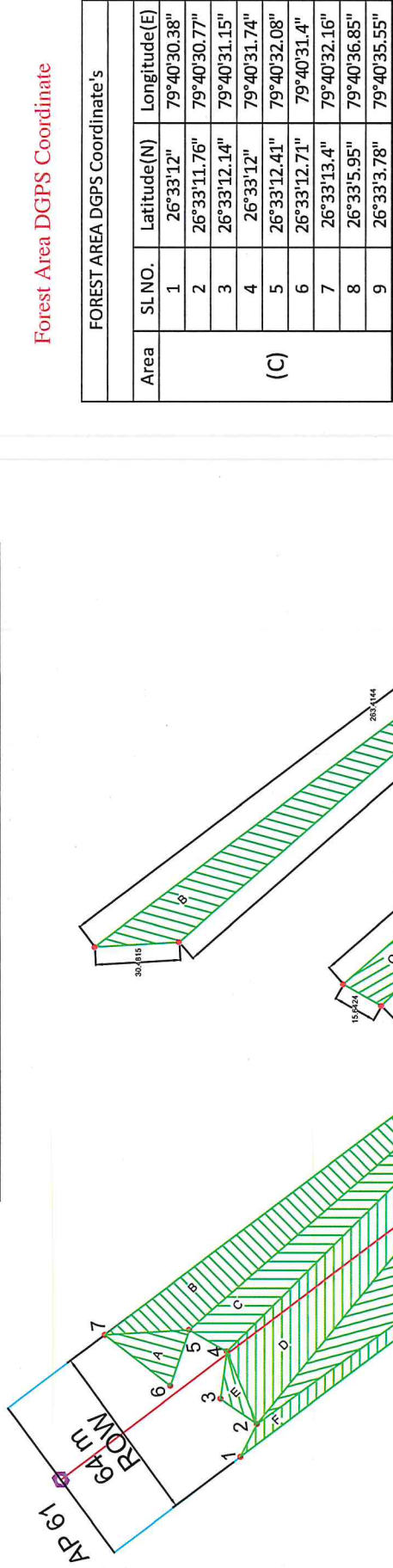
- Tower location
- Forest Area DGPS Coordinates
- Transmission Line Corridor in Forest Area
- Transmission line Corridor in Non Forest Area



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 KANPUR DEHAT FOREST DIV.)
DATE - 06/9/2019	DRAWING No - GTL/G-H/21

GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND

RANGE- DERAPUR
BEAT- JHINJAK (BLOCK No.- N/A)
DISTRICT - KANPUR DEHAT (UTTAR PRADESH)



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= 29.8644 +30.4815 +21.0682 /2 = 40.70705
Area= $\sqrt{40.70705 *10.8427 *10.2256 *19.6389} = 297.7172$

p= 263.4144 +238.5942 +30.4815 /2 = 266.24505
Area= $\sqrt{266.24505 *2.8306 *27.8509 *235.7636} = 2216.5444$

p= 238.5942 +233.7658 +15.6424 /2 = 244.0012
Area= $\sqrt{244.0012 *5.4070 *10.2354 *228.3588} = 1756.0442$

p= 233.7658 +245.4031 +27.8881 /2 = 253.5285
Area= $\sqrt{253.5285 *19.7627 *8.1254 *225.6404} = 3030.8702$

p= 17.0018 +27.8881 +15.7764 /2 = 30.33315
Area= $\sqrt{30.33315 *13.3314 *2.4451 *14.5568} = 119.9698$

p= 278.8189 +290.4950 +13.0885 /2 = 291.2012
Area= $\sqrt{291.2012 *12.3823 *0.7062 *278.1127} = 841.5337$

p= 245.4031 +75.6624 +278.8189 /2 = 299.9422
Area= $\sqrt{299.9422 *54.5391 *224.2798 *21.1233} = 8803.3655$

Total Area =297.7172 + 2216.5444 + 1756.0442 + 3030.8702 + 119.9698 + 841.5337 + 8803.3655 = 17066.0450m²
Area= 1.7066 hectares

Legend

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

Stamp and Signature

Stamp: Kanpur Transmission
Signature: NAINDET CHADDA
Name: NAINDET CHADDA
Location: KANPUR

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 KANPUR DEHAT FOREST DIV.)
DATE - 06/9/2019	DRAWING No - GTL/G-H/22

GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND

RANGE- DERAPUR
BEAT- JHINJAK (BLOCK No.- N/A)
DISTRICT - KANPUR DEHAT (UTTAR PRADESH)

Forest Area DGPS Coordinate

FOREST AREA DGPS Coordinate's		
Area	Latitude(N)	Longitude(E)
1	26°33'20.76"	79°40'24.87"
2	26°33'21.49"	79°40'25.37"
3	26°33'20.87"	79°40'26.72"
4	26°33'21.35"	79°40'27.15"
5	26°33'18.11"	79°40'29.19"
6	26°33'16.5"	79°40'27.55"
7	26°33'17.3"	79°40'27.04"
8	26°33'17.56"	79°40'27.15"
9	26°33'17.87"	79°40'27.05"
10	26°33'18.17"	79°40'26.84"
11	26°33'18.35"	79°40'26.38"

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= $114.6157 + 108.9152 + 19.0703 / 2 = 121.3006$

Area= $\sqrt{121.3006 * 6.6849 * 12.3854 * 102.2303} = 1013.2667$

p= $108.9152 + 148.4052 + 42.1240 / 2 = 149.7222$

Area= $\sqrt{149.7222 * 40.8070 * 1.3170 * 107.5982} = 930.4774$

p= $148.4052 + 144.8745 + 26.4649 / 2 = 159.8723$

Area= $\sqrt{159.8723 * 11.4671 * 14.9978 * 133.4074} = 1915.2133$

p= $144.8745 + 65.1351 + 96.7263 / 2 = 153.36795$

Area= $\sqrt{153.36795 * 8.4935 * 88.2329 * 56.6417} = 2551.4818$

p= $96.7263 + 13.8737 + 85.1845 / 2 = 97.89225$

Area= $\sqrt{97.89225 * 1.1660 * 84.0186 * 12.7078} = 349.0889$

p= $65.1351 + 59.7631 + 10.8025 / 2 = 67.85035$

Area= $\sqrt{67.85035 * 2.7153 * 8.0873 * 57.0479} = 291.5419$

p= $59.7631 + 59.0252 + 9.8696 / 2 = 64.32895$

Area= $\sqrt{64.32895 * 5.3037 * 54.4594} = 291.2673$

p= $59.0252 + 64.4553 + 8.5297 / 2 = 66.0051$

Area= $\sqrt{66.0051 * 6.9799 * 1.5498 * 57.4754} = 202.5780$

p= $64.4553 + 67.2922 + 28.4378 / 2 = 80.09265$

Area= $\sqrt{80.09265 * 15.6374 * 12.8005 * 51.6549} = 910.0098$

Total Area = $1013.2667 + 930.4774 + 1915.2133 + 2551.4818 + 349.0889 + 291.5419 + 202.5780 + 910.0098 = 8454.9252 \text{ m}^2$

Area = 0.8455 hectares

Legend

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



Area Proposal of Forest		
Forest Longitude (E.O.W. Consider in)	Forest Area (m ²)	Forest Area (ha)
132.1079	8454.9075	0.8455



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 KANPUR DEHAT FOREST DIV.)

DATE - 06/9/2019

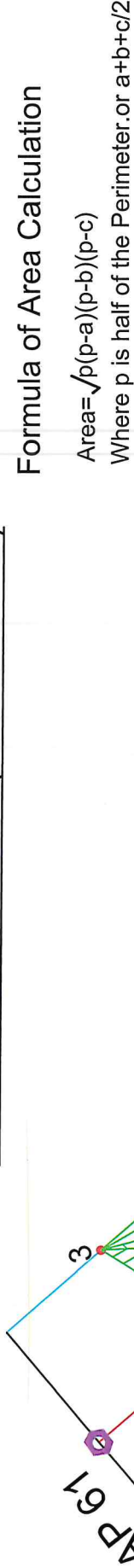
DRAWING No - GTL/G-H/23

GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND

RANGE- DERAPUR

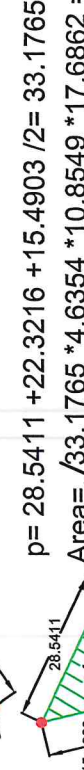
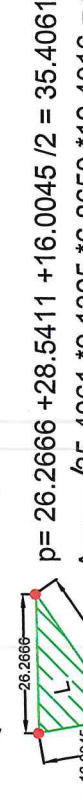
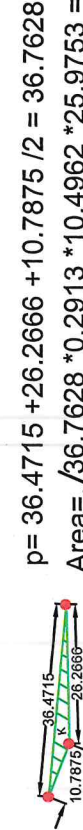
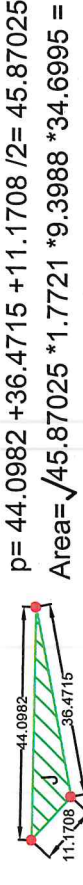
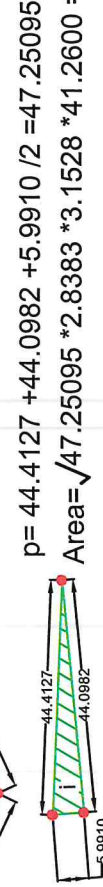
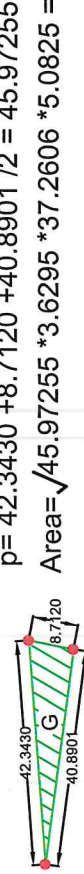
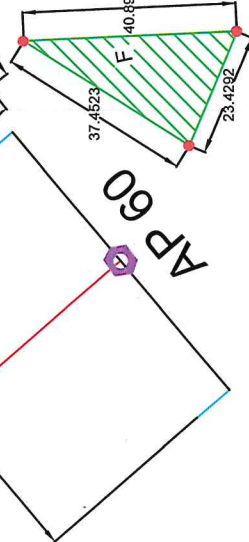
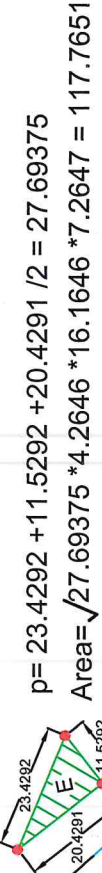
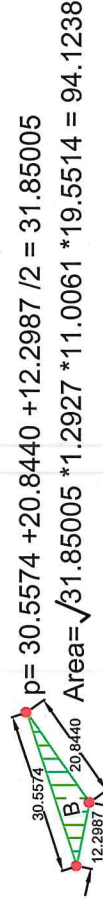
BEAT- JHINJAK (BLOCK No.- N/A)

DISTRICT - KANPUR DEHAT (UTTAR PRADESH)



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



Total Area = 56.1408+94.1238+170.7944+83.1031+117.7651+433.1346+177.7612+729.9496+132.0808+162.8171+54.0345+207.6057+171.8261 = 2591.1367 m²
Area = 0.2591 hectares

Area Proposal of Forest			
Forest Length (m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha)
40.4864	64.0	2591.1357	0.2591



Legend

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



GHATAMPUR- HAPUR 765 KV S/C TRANSMISSION LINE

GHATAMPUR TRANSMISSION LIMITED

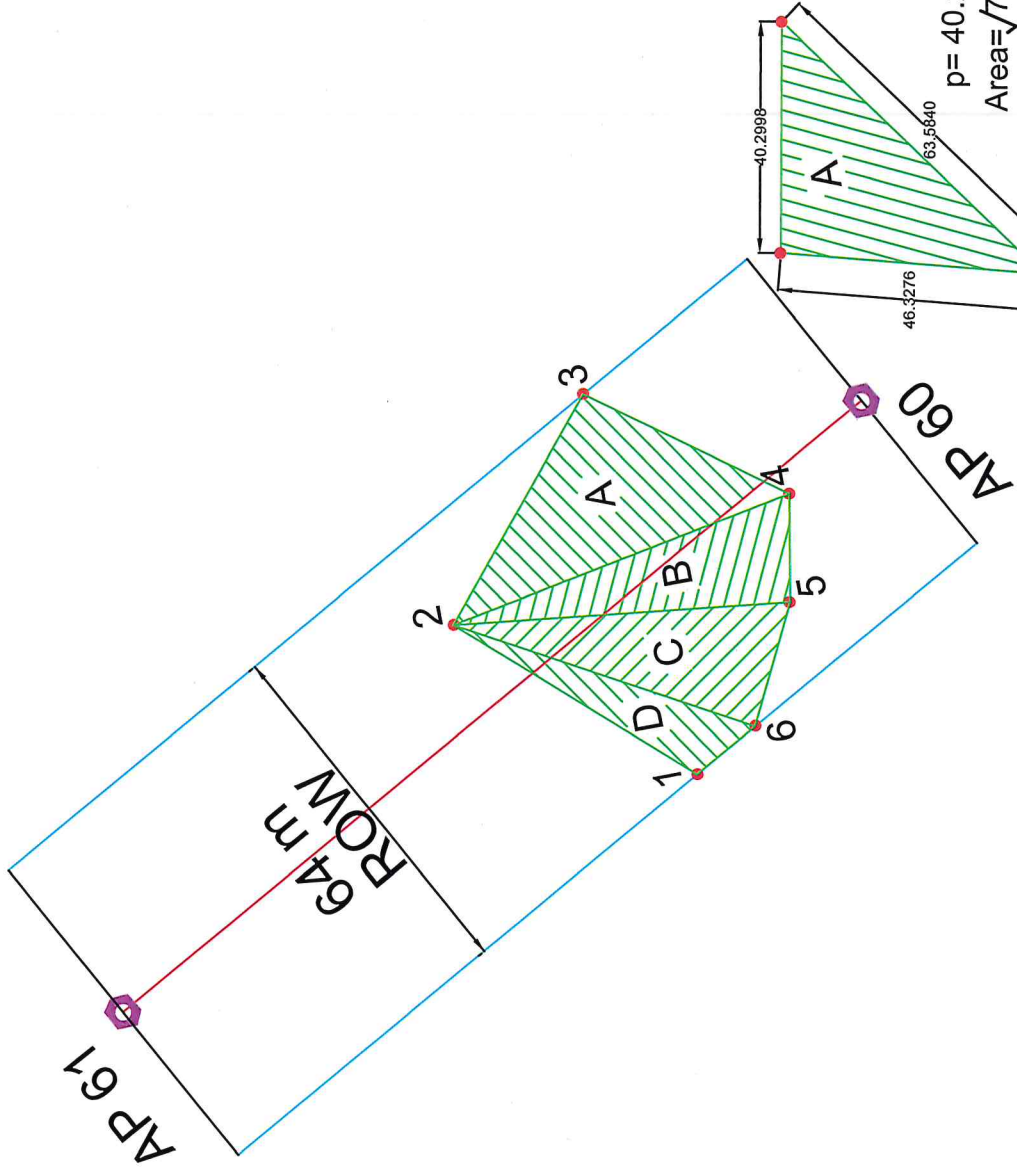
GHATAMPUR - HAPUR 765 KV S/C PROPOSED
TRANSMISSION LINE ROUTE (IN KANPUR DEHAT FOREST DIV.)

DATE - 06/9/2019

DRAWING No - GTL/G-H/24

GEO - REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN VILLAGE AURANGABAD DALCHAND

RANGE- DERAPUR
BEAT- JHINJAK (BLOCK No.- N/A)
DISTRICT - KANPUR DEHAT (UTTAR PRADESH)



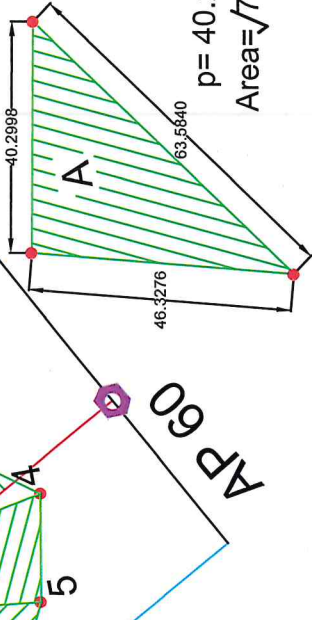
Forest Area DGPS Coordinate

FOREST AREA DGPS Coordinate 's			
Area	SL NO.	Latitude(N)	Longitude(E)
(F)	1	26°33'30.77"	79°40'18.56"
	2	26°33'32.01"	79°40'19.75"
	3	26°33'31.05"	79°40'21.05"
	4	26°33'29.98"	79°40'20.2"
	5	26°33'30.08"	79°40'19.53"
	6	26°33'30.4"	79°40'18.8"

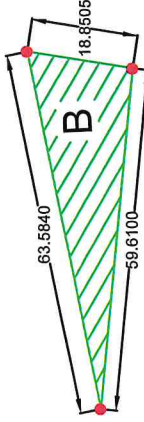
Formula of Area Calculation

Area= $\sqrt{p(p-a)(p-b)(p-c)}$

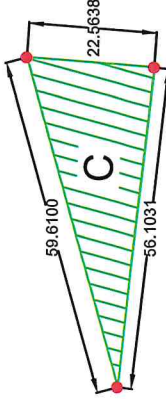
Where p is half of the Perimeter.or a+b+c/2



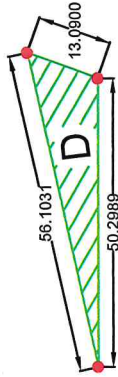
p= 40.2998 +63.5840 +46.3276 /2 = 75.1057
Area= $\sqrt{75.1057 *34.8059 *11.5217 *28.7781}$ = 931.0055



p= 63.5840 +18.8505 +59.6100 /2= 71.02225
Area= $\sqrt{71.02225 *7.4383 *52.1718 *11.4123}$ = 560.8361



p= 59.6100 +22.5638 +56.1031 /2 =69.13845
Area= $\sqrt{69.13845 *9.5285 *46.5747 *13.0354}$ = 632.4222



p= 56.1031 + 13.0900 +50.2989 /2 = 59.746
Area= $\sqrt{59.746 *3.6429 *46.6560 *9.4471}$ = 309.7284

Total Area = 931.0055+560.8361+632.4222+309.7284 = 2433.9922m²
Area= 0.2434 hectares



Area Proposal of Forest			
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m ²)	Forest Area (ha)
38.0619	64.0	2435.9664	0.2434



Legend

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

GHATAMPUR- HAPUR 765 KV S/C TRANSMISSION LINE

GHATAMPUR TRANSMISSION LIMITED

GHATAMPUR - HAPUR 765 KV S/C PROPOSED
TRANSMISSION LINE ROUTE (IN KANPUR DEHAT FOREST DIV.)

DATE - 06/9/2019

DRAWING No - GTL/G-H/25

GEO-REFERENCED MAP OF FOREST LAND PROPOSED FOR DIVERSION IN ETAWAH BRANCH LOWER GANGA CANAL NEAR PARJANI & SADHARMAU VILLAGE.

FOREST AREA DGPS Coordinate's			
Area	SL NO.	Latitude(N)	Longitude(E)
	1	26°31'9.12"	79°41'40.86"
	2	26°31'11.06"	79°41'42.57"
	3	26°31'8.68"	79°41'41.02"
	4	26°31'10.62"	79°41'42.73"
	5	26°31'8.32"	79°41'41.16"
	6	26°31'10.26"	79°41'42.87"
	7	26°31'7.88"	79°41'41.33"
	8	26°31'9.82"	79°41'43.04"

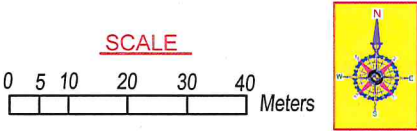
Area Proposal of Forest			
Forest Length(m)	R.O.W. Corridor (m)	Forest Area (m²)	Forest Area (ha.)
(18.29+18.29)=36.58 m	64.0m	2708.3097	0.2708

Area Calculation For A & B

(A) $\frac{64m}{\sin(120^{\circ}11'0.00")}$ X 18.29 = $\frac{64m}{0.864421088}$ X 18.29 = 1354.1548 m² = 0.1354 Hectares

(B) $\frac{64m}{\sin(120^{\circ}11'0.00")}$ X 18.29 = $\frac{64m}{0.864421088}$ X 18.29 = 1354.1548 m² = 0.1354 Hectares

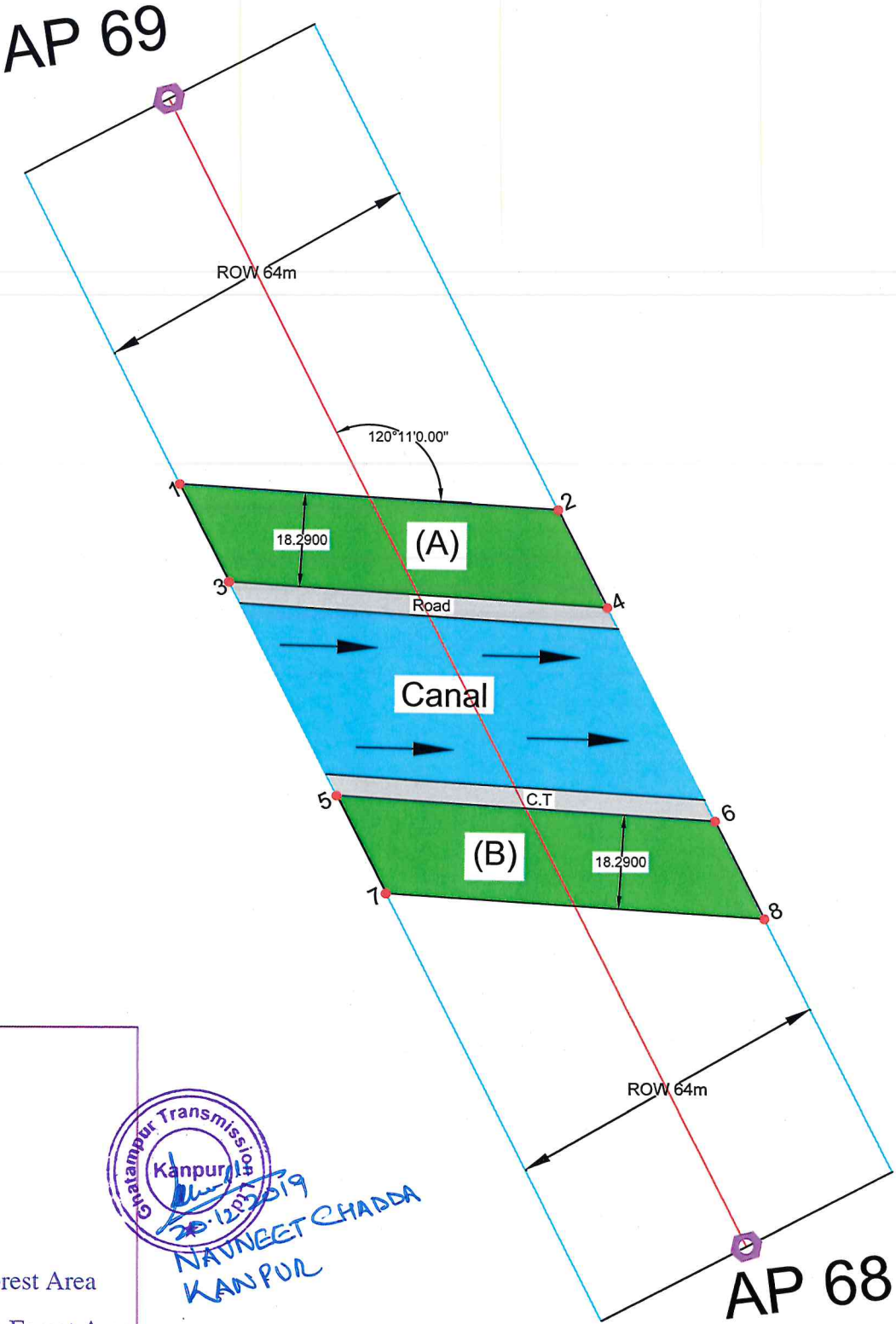
Total Forest area = 2708.3097 m²
0.2708 Hectares



Legend

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

Ghatampur Transmission
Kanpur
20.12.2019
NAVNEET CHADDA
KANPUR



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 KANPUR DEHAT FOREST DIV.)
DATE - 06/9/2019 DRAWING No - GTL/G-H/26	