

SOI TOPOSHEET SHOWING THE FOREST AREA PROPOSED TO BE DIVERTED FOR 400 KV DC TRANSMISSION LINE FROM BONGAIGAON S/S TO NANGALBIBRA S/S UNDER GOALPARA FOREST DIVISION (SCALE:-1:50,000)

OPEN SERIES MAP
No. G46G12
Scale 1:50,000

भारतीय सर्वेक्षण विभाग
1st Edition 2018. Price : ₹ 118/-

CONVENTIONAL SYMBOLS

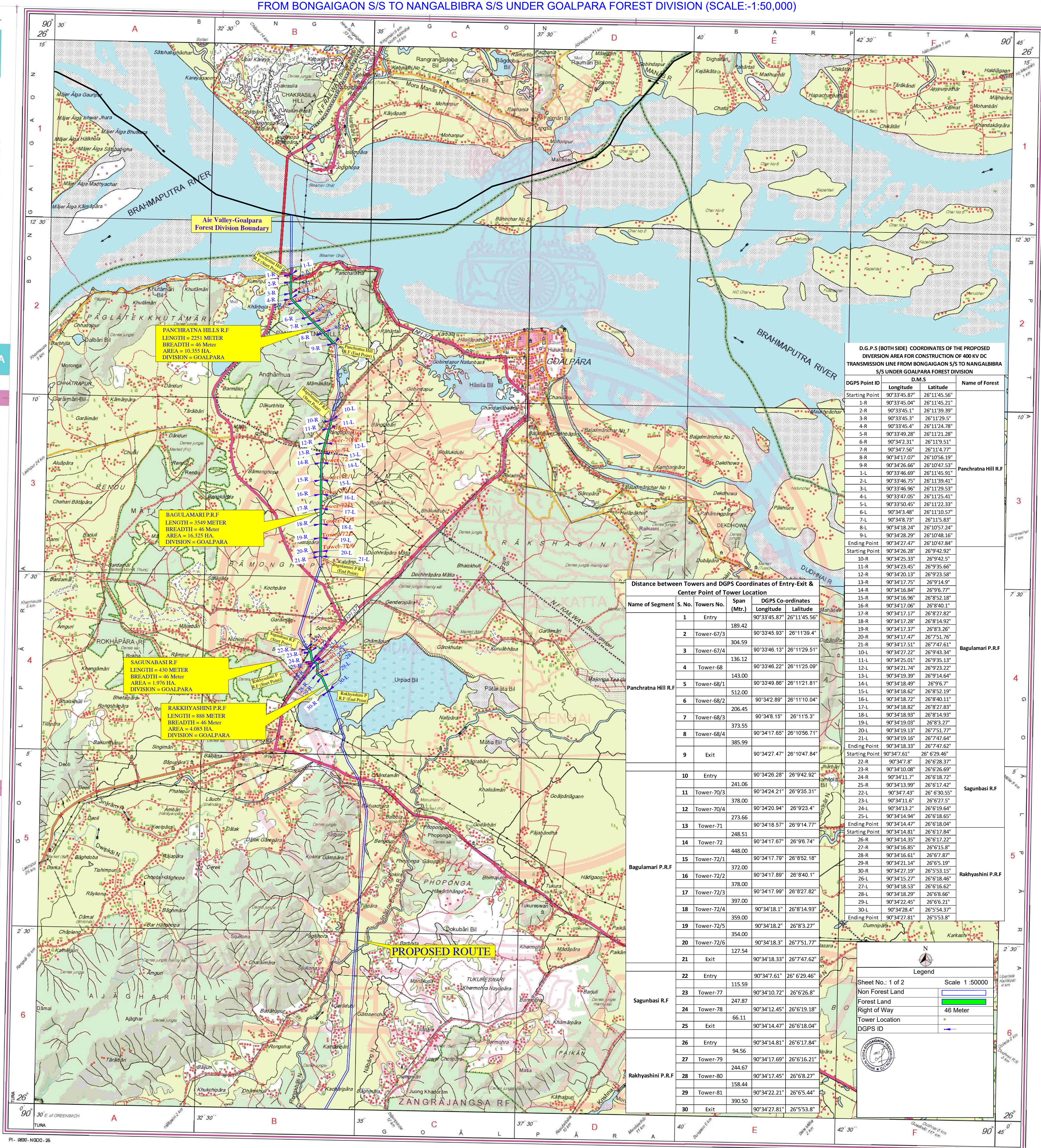
REFERENCES
NPT-37 National Highway No. 37 NPT-38 National Highway No. 318

NOTES
Important buildings are shown in black with names.
The boundary of Meghalaya shown on this map is as interpreted from the North-Eastern Area (Reorganisation) Act, 1971 but has yet to be verified.
Boundaries between Goalpara & Bongaigaon, Bongaigaon & Barpeta & Goalpara districts have been interpreted from the map of D.L.R. Govt. of Assam but has yet to be verified on the ground.
The area adjoining the Brahmaputra River is liable to change owing to continual fluctuation in the course of the river and meanders, especially flooded during rainy season.
Boundaries are shown in green.

COMPILED INDEX
A. Surveyed during 1959-70. Updated for major details during 2002-05.

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1° West in 2005. (Annual change negligible).
Scale 1:50,000
For further details about this map, please contact:
Director
Assam & Nagaland Geo-Spatial Data Centre
Survey of India, Ganehguri Chari, Dispur
Guwahati.

WEBSITE - www.surveyofindia.gov.in
Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.
GOVERNMENT OF INDIA COPYRIGHT, 2018.



D.G.P.S (BOTH SIDE) COORDINATES OF THE PROPOSED DIVERSION AREA FOR CONSTRUCTION OF 400 KV DC TRANSMISSION LINE FROM BONGAIGAON S/S TO NANGALBIBRA S/S UNDER GOALPARA FOREST DIVISION

DGPS Point ID	Longitude	Latitude	Name of Forest
Starting Point	90°33'45.87"	26°11'45.56"	
1-R	90°33'45.04"	26°11'45.21"	
2-R	90°33'45.11"	26°11'39.39"	
3-R	90°33'45.3"	26°11'29.51"	
4-R	90°33'45.4"	26°11'24.78"	
5-R	90°33'49.28"	26°11'21.28"	
6-R	90°34'7.31"	26°11'9.51"	
7-R	90°34'7.56"	26°11'4.77"	
8-R	90°34'17.07"	26°10'56.19"	
9-R	90°34'26.66"	26°10'47.53"	
1-L	90°33'46.69"	26°11'45.91"	
2-L	90°33'46.75"	26°11'39.41"	
3-L	90°33'46.96"	26°11'29.53"	
4-L	90°33'47.05"	26°11'25.41"	
5-L	90°33'50.45"	26°11'23.33"	
6-L	90°34'3.48"	26°11'10.57"	
7-L	90°34'8.73"	26°11'5.83"	
8-L	90°34'18.24"	26°10'57.24"	
9-L	90°34'28.29"	26°10'48.16"	
Ending Point	90°34'27.47"	26°10'47.84"	
Starting Point	90°34'26.28"	26°9'42.92"	
10-R	90°34'25.33"	26°9'42.51"	
11-R	90°34'23.45"	26°9'35.66"	
12-R	90°34'20.13"	26°9'23.58"	
13-R	90°34'17.75"	26°9'14.91"	
14-R	90°34'16.84"	26°9'9.77"	
15-R	90°34'16.96"	26°8'52.18"	
16-R	90°34'17.06"	26°8'40.11"	
17-R	90°34'17.17"	26°8'27.82"	
18-R	90°34'17.28"	26°8'14.92"	
19-R	90°34'17.37"	26°8'3.26"	
20-R	90°34'17.47"	26°7'51.76"	
21-R	90°34'17.51"	26°7'47.61"	
10-L	90°34'27.22"	26°9'43.34"	
11-L	90°34'25.01"	26°9'35.13"	
12-L	90°34'21.74"	26°9'23.22"	
13-L	90°34'19.38"	26°9'14.64"	
14-L	90°34'18.49"	26°9'6.77"	
15-L	90°34'18.62"	26°8'52.19"	
16-L	90°34'18.72"	26°8'40.11"	
17-L	90°34'18.82"	26°8'27.83"	
18-L	90°34'18.91"	26°8'14.93"	
19-L	90°34'19.01"	26°8'3.27"	
20-L	90°34'19.13"	26°7'51.77"	
21-L	90°34'19.16"	26°7'47.62"	
Ending Point	90°34'18.33"	26°7'47.62"	
Starting Point	90°34'7.61"	26°6'29.46"	
22-R	90°34'7.87"	26°6'28.37"	
23-R	90°34'10.08"	26°6'26.69"	
24-R	90°34'11.7"	26°6'18.72"	
25-R	90°34'13.99"	26°6'17.42"	
22-L	90°34'7.43"	26°6'30.55"	
23-L	90°34'11.6"	26°6'27.57"	
24-L	90°34'13.2"	26°6'19.64"	
25-L	90°34'14.94"	26°6'18.65"	
Ending Point	90°34'14.47"	26°6'18.04"	
Starting Point	90°34'14.81"	26°6'17.84"	
26-R	90°34'14.35"	26°6'17.22"	
27-R	90°34'16.85"	26°6'15.81"	
28-R	90°34'16.51"	26°6'11.87"	
29-R	90°34'21.14"	26°6'3.19"	
30-R	90°34'27.19"	26°5'53.15"	
26-L	90°34'15.27"	26°6'18.46"	
27-L	90°34'18.53"	26°6'16.62"	
28-L	90°34'18.29"	26°6'16.66"	
29-L	90°34'22.45"	26°6'8.21"	
30-L	90°34'28.4"	26°5'54.37"	
Ending Point	90°34'27.81"	26°5'53.81"	

Distance between Towers and DGPS Coordinates of Entry-Exit & Center Point of Tower Location

Name of Segment	S. No.	Towers No.	Span (Mtr.)	DGPS Co-ordinates	
				Longitude	Latitude
Panchratna Hill P.R.F	1	Entry		90°33'45.87"	26°11'45.56"
			189.42		
	2	Tower-67/3		90°33'45.93"	26°11'39.41"
			304.59		
	3	Tower-67/4		90°33'46.13"	26°11'29.51"
			136.12		
	4	Tower-68		90°33'46.22"	26°11'25.09"
			143.00		
	5	Tower-68/1		90°33'49.86"	26°11'21.81"
		512.00			
	6	Tower-68/2		90°34'2.89"	26°11'10.04"
		206.45			
	7	Tower-68/3		90°34'8.16"	26°11'5.3"
		373.55			
	8	Tower-68/4		90°34'17.65"	26°10'56.71"
		385.99			
	9	Exit		90°34'27.47"	26°10'47.84"
Bagulamari P.R.F					
	10	Entry		90°34'26.28"	26°9'42.92"
			241.06		
	11	Tower-70/3		90°34'24.21"	26°9'35.31"
			378.00		
	12	Tower-70/4		90°34'20.94"	26°9'23.41"
			273.66		
	13	Tower-71		90°34'18.57"	26°9'14.77"
			248.51		
	14	Tower-72		90°34'17.67"	26°9'6.74"
			448.00		
	15	Tower-72/1		90°34'17.79"	26°8'52.18"
			372.00		
	16	Tower-72/2		90°34'17.89"	26°8'40.11"
			378.00		
		17	Tower-72/3		90°34'17.99"
		397.00			
	18	Tower-72/4		90°34'18.1"	26°8'14.93"
		359.00			
	19	Tower-72/5		90°34'18.2"	26°8'3.27"
		354.00			
	20	Tower-72/6		90°34'18.33"	26°7'51.77"
		127.54			
Sagunbasi R.F	21	Exit		90°34'18.33"	26°7'47.62"
	22	Entry		90°34'7.61"	26°6'29.46"
			115.59		
	23	Tower-77		90°34'10.72"	26°6'26.81"
			247.87		
	24	Tower-78		90°34'12.45"	26°6'19.18"
			66.11		
	25	Exit		90°34'14.47"	26°6'18.04"
Rakhyashini P.R.F					
	26	Entry		90°34'14.81"	26°6'17.84"
			94.56		
	27	Tower-79		90°34'17.69"	26°6'16.21"
			244.67		
	28	Tower-80		90°34'17.45"	26°6'8.27"
			158.44		
	29	Tower-81		90°34'22.21"	26°6'5.44"
		390.50			
	30	Exit		90°34'27.81"	26°5'53.81"

Legend
Sheet No.: 1 of 2
Scale 1:50,000
Non Forest Land
Forest Land
Right of Way
Tower Location
DGPS ID

SOI TOPOSHEET SHOWING THE FOREST AREA PROPOSED TO BE DIVERTED FOR 400 KV DC TRANSMISSION LINE FROM BONGAIGAON S/S TO NANGALIBIRA S/S UNDER GOALPARA FOREST DIVISION (SCALE:-1:50,000)



OPEN SERIES MAP

No. G46M9
Scale 1:50,000

G46G8 (78K/8)	G46G12 (78K/12) Goalpara ASSAM	G46G16 (78K/16)
G46M5 (78K/5)	G46M9 (78K/9) East Garo Hills MEGHALAYA	G46M13 (78K/13)
G46M6 (78K/6)	G46M10 (78K/10)	G46M14 (78K/14) Khasi Hills MEGHALAYA

1 Dhubri, ASSAM
2 Kamti, ASSAM
3 West Garo Hills, MEGHALAYA

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2018.

Price : ₹ 118/-

CONVENTIONAL SYMBOLS

Express highway with toll, with bridge, with distance stone	
Roads, metalled, according to importance	
Roads, double cartways, according to importance	
Unmetalled road, Cart-track, Path-track with pass, Footpath	
Dams, masonry or rock-filled, earthenwork, Weir	
Stream, dry with water channel, with island & rocks, Tidal river	
Submerged road, Shoal, Swamp, Reeds	
Wells, lined, unlined, Tube-well, Spring, Tanks, perennial, dry	
Embankments, road or rail, tank, Broken ground	
Railways, broad gauge, double, single with distance stone, do.	
Railways, other gauges, double, single with distance stone, do.	
Mine, iron or manganese, Kim, Cutting with tunnel	
Contours with sub features, Rocky slopes, Cliffs	
Sand features (Hill, Sand-hill, Sand-mound), (Dune, Sand-dune)	
Towns or Villages, inhabited, deserted, Fort	
Hub, permanent, temporary, Tower, Antiquities	
Temple, Chhatra, Church, Mosque, Sigh, Tomb, Graves	
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage	
Mine, Vine on trellis, Grass, Scrub	
Palms, palmry, other, Plantain, Conifer, Bamboo, Other trees	
Areas, cultivated, wooded, Surveyed tree	
Boundary, international	
state demarcated, undemarcated	
district, subdivision, taluk or taluk, forest	
Boundary pillars, surveyed, uncoloured	
Heights, triangulated, station, point, approximate	
Bench-mark, geodetic, tertiary, canal	
Post office, Telegraph office, Overhead tank	
Rest house or inspection bungalow, Circuit house, Police station	
Camping ground, Forest, reserved, protected	
Spaced names: administrative, locality or tribal	
Hospital, Dispensary, Veterinary, Hospital / Dispensary	
Aerodrome, Helipad, Tourist site	
Power line, with pylons surveyed, with poles unsurveyed	

REFERENCES

NH 37 National Highway No. 37, NH 51 National Highway No. 51, WB Wooden Bridge, RR Railway Bridge

NOTES -

Heights and Contours have not been shown.
A relative height, e.g., 200, represents the approximate height, in metres, between the top and bottom of a steep slope.
The State boundary between Assam and Meghalaya shown in this map is as interpreted from the North Eastern area (Reorganisation) Act, 1971 but has yet to be verified.
Names and boundaries of subdivisions of Garo Hills District, in this sheet, have not been shown for want of reliable information.
Jhm or temporarily cultivated areas occur throughout the jungle, they are normally abandoned after 2-3 years and are not shown.

COMPILED INDEX

A. Surveyed during 1963-64. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005.
(Decreasing by about 1° annually).

1:50,000

500 m to 1 cm
Metre 1000 500 0 1 2 3 Kilometres

For further details about this map, please contact

Director

Assam & Nagaland Geo-Spatial Data Centre

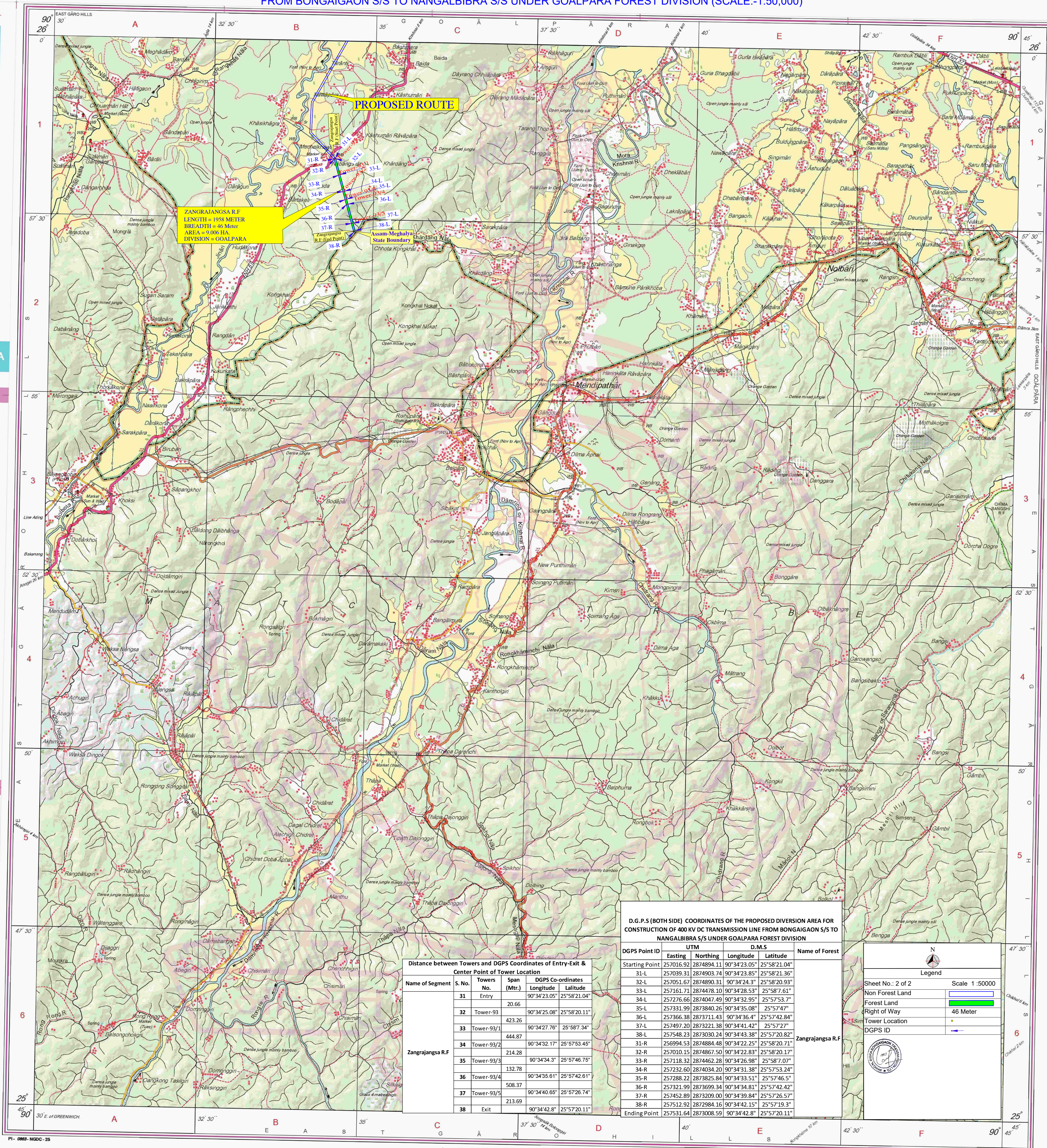
Survey of India, Channarayana Channarayana, Dispur

Guwahati.

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.

GOVERNMENT OF INDIA COPYRIGHT 2018.

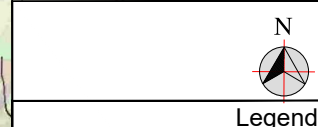


D.G.P.S (BOTH SIDE) COORDINATES OF THE PROPOSED DIVERSION AREA FOR CONSTRUCTION OF 400 KV DC TRANSMISSION LINE FROM BONGAIGAON S/S TO NANGALIBIRA S/S UNDER GOALPARA FOREST DIVISION

DGPS Point ID	UTM	D.M.S	Name of Forest
Starting Point	257015.92 2874894.11	90°34'23.05" 25°58'21.04"	
31-L	257039.31 2874903.74	90°34'23.85" 25°58'21.36"	
32-L	257051.67 2874890.31	90°34'24.3" 25°58'20.93"	
33-L	257161.71 2874478.10	90°34'28.53" 25°58'21.61"	
34-L	257276.66 2874047.49	90°34'32.95" 25°57'53.7"	
35-L	257331.99 2873840.26	90°34'35.08" 25°57'47"	
36-L	257366.38 2873711.43	90°34'36.4" 25°57'42.84"	
37-L	257497.20 2873221.38	90°34'41.42" 25°57'27"	
38-L	257548.23 2873030.24	90°34'43.38" 25°57'20.82"	
31-R	256994.53 2874884.48	90°34'22.25" 25°58'20.71"	
32-R	257010.15 2874867.50	90°34'22.83" 25°58'20.17"	
33-R	257118.32 2874462.28	90°34'26.98" 25°58'21.07"	
34-R	257232.60 2874034.20	90°34'31.38" 25°57'53.24"	
35-R	257288.22 2873825.84	90°34'33.51" 25°57'46.5"	
36-R	257321.99 2873699.34	90°34'34.81" 25°57'42.42"	
37-R	257452.89 2873209.00	90°34'39.84" 25°57'26.57"	
38-R	257512.92 2872984.16	90°34'42.15" 25°57'19.3"	
Ending Point	257531.64 2873008.59	90°34'42.8" 25°57'20.11"	

Distance between Towers and DGPS Coordinates of Entry-Exit & Center Point of Tower Location

Name of Segment	No.	Towers No.	Span (Mtr.)	DGPS Co-ordinates Longitude	DGPS Co-ordinates Latitude
1	Entry	20.66		90°34'23.05" 25°58'21.04"	
2	Tower-93	423.26		90°34'25.08" 25°58'20.11"	
3	Tower-93/1	444.87		90°34'27.76" 25°58'27.34"	
4	Tower-93/2	214.28		90°34'32.17" 25°57'53.45"	
5	Tower-93/3	132.78		90°34'34.3" 25°57'46.75"	
6	Tower-93/4	508.37		90°34'35.61" 25°57'42.61"	
7	Tower-93/5	213.69		90°34'40.65" 25°57'26.74"	
8	Exit			90°34'42.8" 25°57'20.11"	



Sheet No. : 2 of 2

Non Forest Land

Forest Land

Right of Way

46 Meter

Tower Location

DGPS ID

Zangrajangsa R.F.

Scale 1:50,000

PRINTED AT THE NORTHERN PRINTING GROUP OF SURVEY OF INDIA.