



निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES  
MAP

No. G46G7

Scale 1:50,000

|                                        |                  |                                           |
|----------------------------------------|------------------|-------------------------------------------|
| G46G2<br>(78J/2)                       | G46G6<br>(78J/6) | Chirang<br>ASSAM<br>G46G10<br>(78J/10)    |
| Kokrajhar<br>ASSAM<br>G46G3<br>(78J/3) | G46G7<br>(78J/7) | Bongaigaon<br>ASSAM<br>G46G11<br>(78J/11) |
| Dhuburi<br>ASSAM<br>G46G4<br>(78J/4)   | G46G8<br>(78J/8) | G46G12<br>(78J/12)<br>Goalpara<br>ASSAM   |

1 BHUTAN  
2 West Garo Hills, MEGHALAYA  
3 Barpeta, ASSAM

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2010.

Price: Rs. 50/-

#### CONVENTIONAL SYMBOLS

|                                                                        |  |
|------------------------------------------------------------------------|--|
| Express highway, with toll, with bridge, with distance stone           |  |
| Roads, metalled, according to importance                               |  |
| Roads, double carriage-way, according to importance                    |  |
| Unmetalled road, Cart track, Paved track with pass, Foot-path          |  |
| Streams, with track in bed, undefined, Canal                           |  |
| Dams, masonry or rock filled, earthwork, Weir                          |  |
| River, dry with water channel, with island & rocks, Tide river         |  |
| Submerged rocks, Shoal, Swamp, Reeds, Tanka, perennial, dry            |  |
| Wells, hand, windmill, Tube-well, Spring, Tank, perennial, dry         |  |
| Embankments, road or rail, bank, Brown ground                          |  |
| Railways, broad gauge, double, single with station under control       |  |
| Railways, other gauges, double, single with station under control      |  |
| Mineral line or tramway, Kin, Cuffing with tunnel                      |  |
| Contours with sub-features, Rocky slopes, Cliffs                       |  |
| Sand features (1) Flat (2) Sand-hills (3) Sand-dunes (4) Sand-shifting |  |
| Towns or Villages, inhabited, deserted, Fort                           |  |
| Hills, permanent, temporary, Tower, Antiquities                        |  |
| Temple, Church, Mosque, Jogh, Tomb, Shrine, Grave                      |  |
| Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage             |  |
| Mine, Vm on trees, Grass, Scrub                                        |  |
| Plains, paddy, other, Plain, Conifer, Bamboo, Other trees              |  |
| Avenue, outwashed, wooded, Buried, Iron                                |  |
| Boundary, international                                                |  |
| date, demarcated, undemarcated                                         |  |
| district, subdivision, taluk or thika, forest                          |  |
| Boundary pillars, surveyed, uncoloured                                 |  |
| Heights, triangulation station, point, approximate                     |  |
| Bench-mark, geodetic, tertiary, canal                                  |  |
| Post office, Telegram office, Overhead tank                            |  |
| Rest house or inspection bungalow, Circuit house, Police station       |  |
| Camping ground, Forest reserved, protected                             |  |
| Saved names, administrative, locally 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  
TQ Garden

NOTES :-  
Heights and contours have not been shown.  
Wells are numerous throughout the sheet, only the important ones have been shown.  
The area adjoining the Brahmaputra River is liable to change owing to continuous fluctuation in the course of river.  
All unmetalled road in this sheet are generally motorable in dry season permission to use these roads are required from Taxation authority.  
Nymphs shown in this sheet are comparatively warping grounds.  
Detailed trees are shown thus:

COMPILED INDEX  
A. Surveyed during 1955-70. Updated for major details during 2004-05.

Projection - UTM Datum - WGS 84  
Magnetic Variation from True North about 1° West in 2005.  
(Annual change negligible)

500 m to 1 cm  
1:50,000  
2 cm to 1 km  
Kilometres

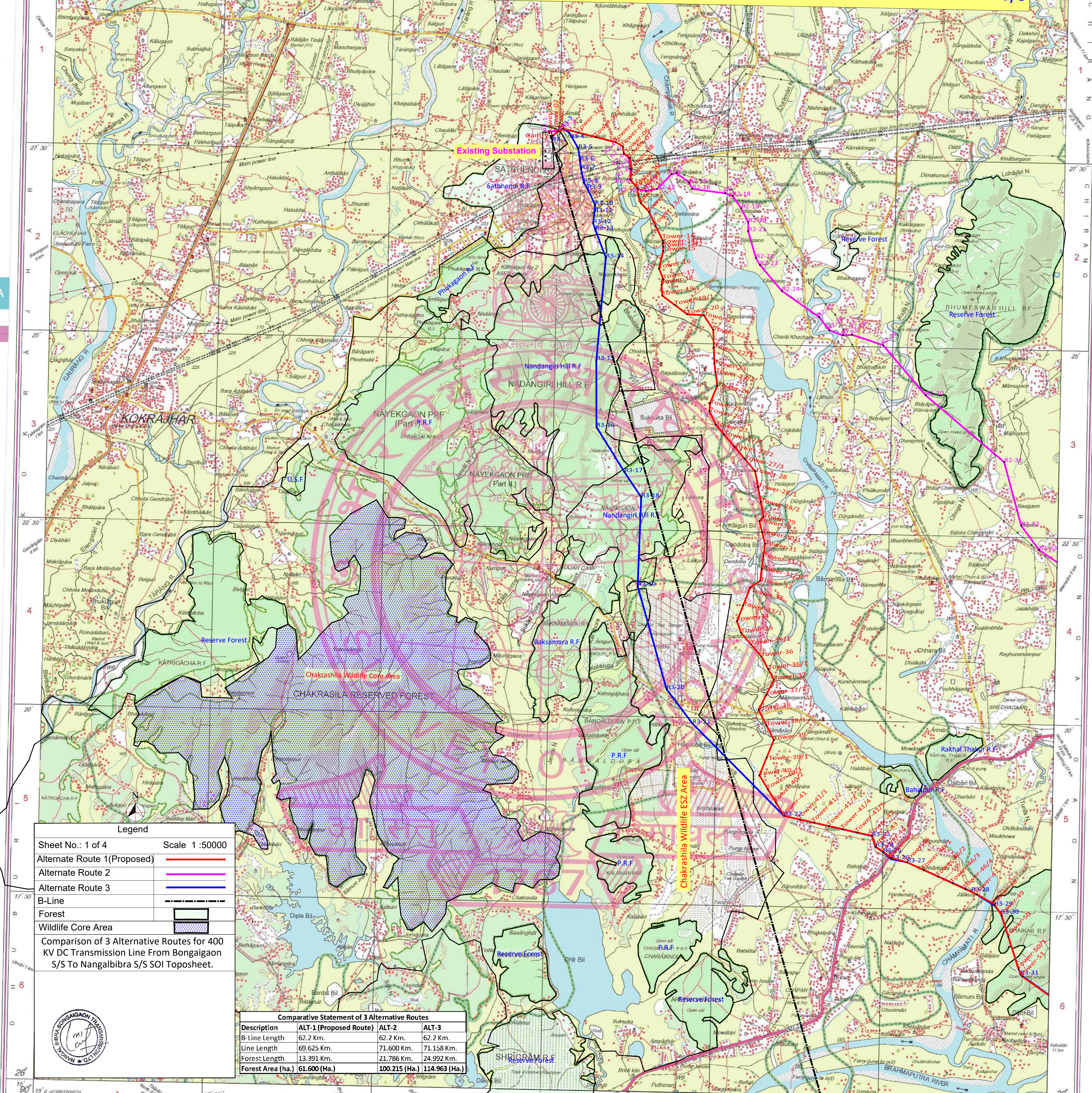
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Director  
Assam & Nagaland Geo-Spatial Data Centre  
Survey of India, Ganevighat Chariali, Dapur  
Guwahati.

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## MAP SHOWING 3 ALTERNATIVE ROUTES OF 400 KV DC TRANSMISSION LINE FROM BONGAIGAON S/S TO NANGALBIBRA S/S



|                             |               |
|-----------------------------|---------------|
| Sheet No.: 1 of 4           | Scale 1:50000 |
| Alternate Route 1(Proposed) |               |
| Alternate Route 2           |               |
| Alternate Route 3           |               |
| B-Line                      |               |
| Forest                      |               |
| Wildlife Core Area          |               |

Comparison of 3 Alternative Routes for 400 KV DC Transmission Line From Bongaigaon S/S To Nangalbibra S/S SOI Toposheet.

| Description       | ALT-1 (Proposed Route) | ALT-2         | ALT-3         |
|-------------------|------------------------|---------------|---------------|
| B-Line Length     | 62.2 Km.               | 62.2 Km.      | 62.2 Km.      |
| Line Length       | 69.625 Km.             | 71.600 Km.    | 71.158 Km.    |
| Forest Length     | 13.391 Km.             | 21.786 Km.    | 24.992 Km.    |
| Forest Area (ha.) | 61.600 (Ha.)           | 100.215 (Ha.) | 114.963 (Ha.) |

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MAP SHOWING 3 ALTERNATIVE ROUTES OF 400 KV DC TRANSMISSION LINE FROM BONGAIGAON S/S TO NANGALBIBRA S/S



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OPEN SERIES MAP

No. G46M9

Scale 1:50,000

|                   |                    |                    |
|-------------------|--------------------|--------------------|
| G46G8<br>(78J/12) | G46G12<br>(78J/12) | G46G16<br>(78J/16) |
| G46M5<br>(78K/5)  | G46M9<br>(78K/9)   | G46M13<br>(78K/13) |
| G46M6<br>(78K/6)  | G46M10<br>(78K/10) | G46M14<br>(78K/14) |

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

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2018. Price : ₹ 118/-

CONVENTIONAL SYMBOLS

Express highway: with bit, with bridge with distance stone

Roads, metalled: according to importance

Roads, double carriage-way: according to importance

Unmetalled road: Cart-track: Pack-track with pass: Foot-path

Streams: with track in bed: undefined: Canal

Dams: masonry or rock-filled: earthwork: Weir

River: dry with water channel: with island & rocks: Tidal river

Submerged rocks: Shoal: Swamp: Reeds

Wells: lined: unlined: Tube-well: Spring: Tanka: perennial: dry

Embankments: road or rail: tank: Broken ground

Railways: broad gauge: double: single with station: under constr.

Railways: other gauges: double: single with distance stone: do.

Mineral line or tramway: Km. Cutting with tunnel

Contours with sub-features: Rocky slopes: Cliffs

Sand features: (1) flat: (2) sand-hills (dunes) (3) dunes (4) dunes

Towns or Villages: inhabited: deserted: Fort

Hub: permanent: temporary: Tower: Antiquities

Temple: Chhatra: Church: Mosque: Jogh: Tomb: Graves

Lighthouse: Lighthouse: Buoy: light: unlighted: Anchorage

Mine: Vine on trellis: Grass: Scrub

Palm: papyrus: other: Plantain: Conifer: Bamboo: Other trees

Area: cultivated: wooded: Surveyed tree

Boundary: international

state: demarcated: undemarcated

district: subdivision: taluk or taluk: forest

Boundary pillars: surveyed: unlocated

Height: 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

Airports: Helipad: Tourist site

Power line: with pylons surveyed: with poles unsurveyed

REFERENCES

NH 37 National Highway No. 37

NH 57 National Highway No. 57

WB Wooden Bridge

BB Bamboo Bridge

NOTES :-

Heights and Contours have not been shown

A relative height, e.g., 50 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 Areas (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

Other 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 1/4° West in 2005. (Decreasing by about 1° annually)

Scale 1:50,000

For further details about this map, please contact

Director

Assam & Nilgiri Geo-Spatial Data Centre

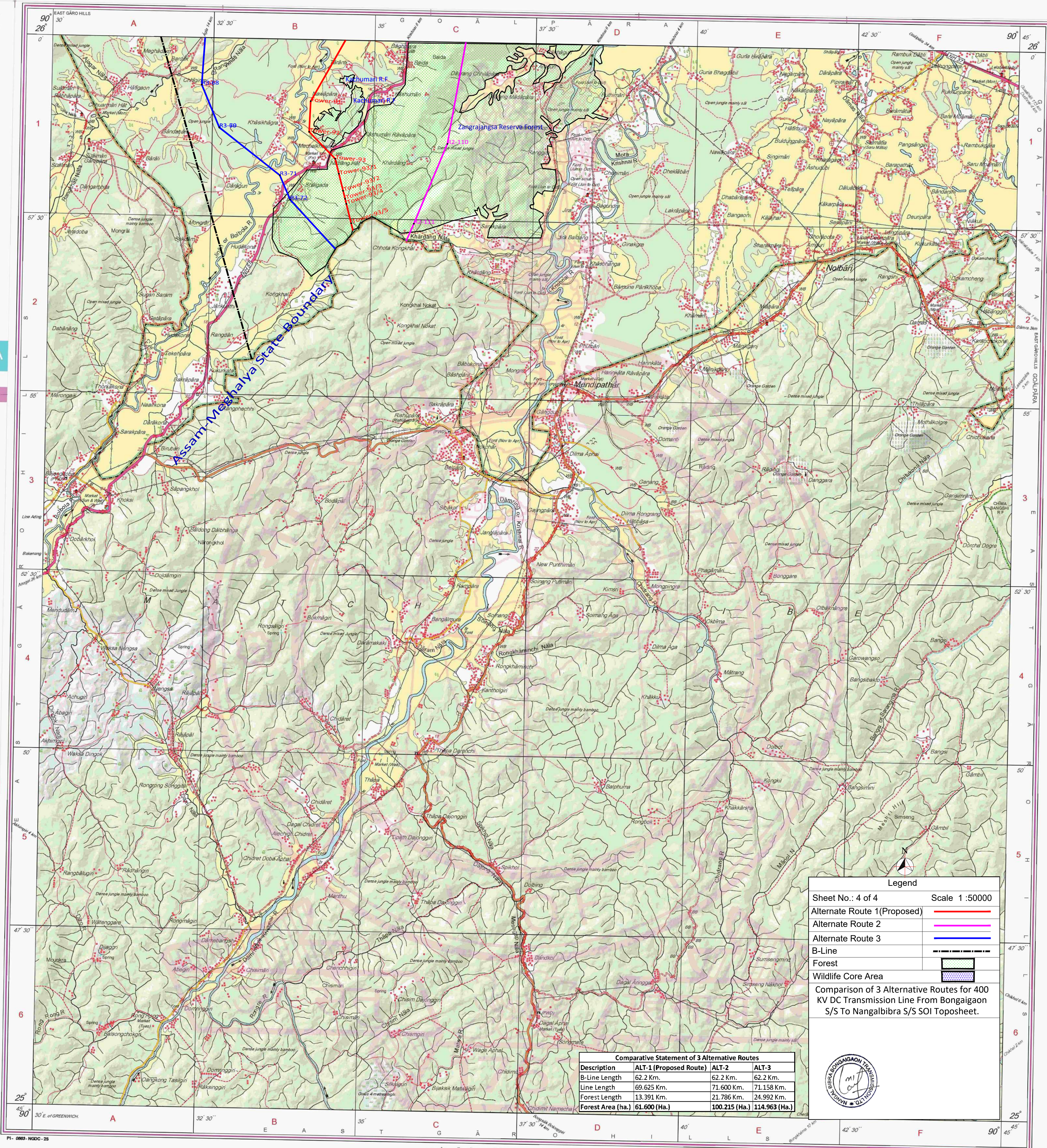
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Legend

Sheet No.: 4 of 4

Scale 1:50000

Alternate Route 1(Proposed)

Alternate Route 2

Alternate Route 3

B-Line

Forest

Wildlife Core Area

Comparison of 3 Alternative Routes for 400 KV DC Transmission Line From Bongaigaon S/S To Nangalbibra S/S SOI Toposheet.

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