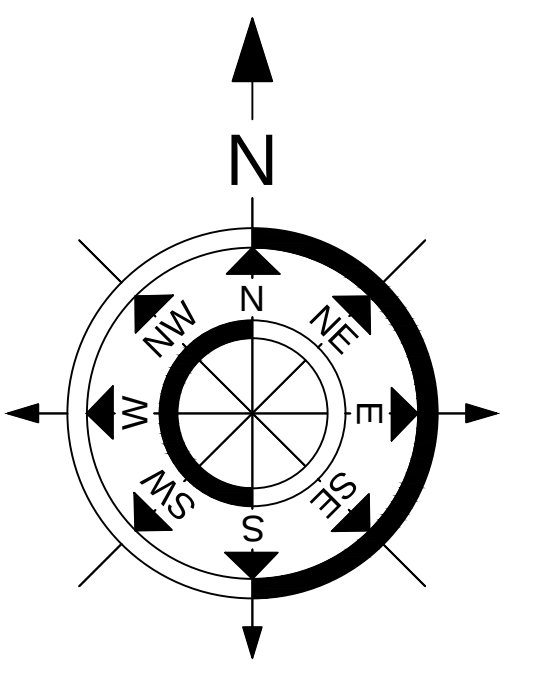


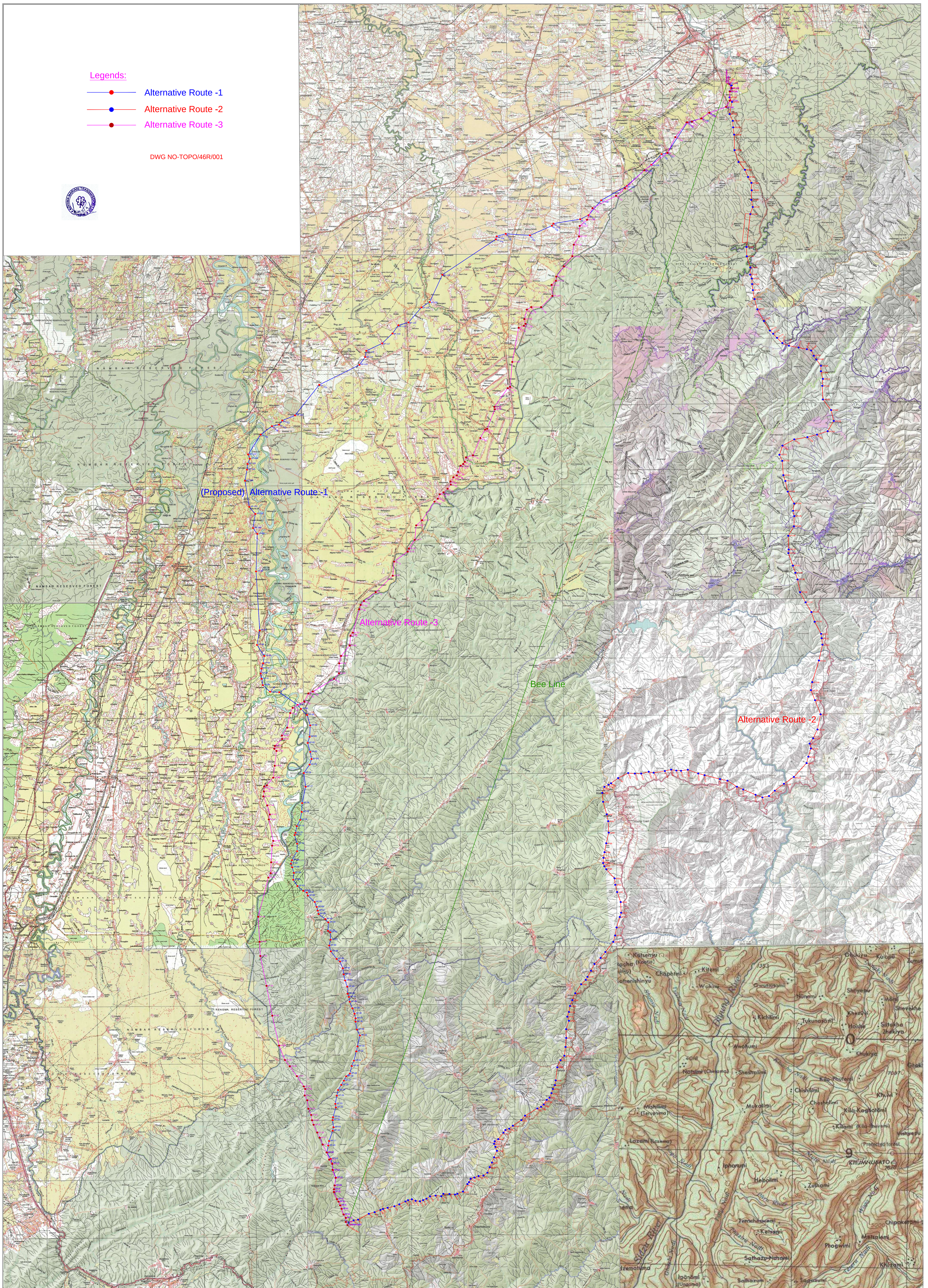
# MAP SHOWING ALTERNATIVE EXAMINED PERTAINING TO 400 KV D/C NEW KOHIMA TO NEW MARIANI TRANSMISSION LINE



## Legends:

- Alternative Route -1
- Alternative Route -2
- Alternative Route -3

DWG NO-TOPO/46R/001



CIN: U40102DL2016GOI290060



**KOHIMA-MARIANI  
TRANSMISSION LIMITED**

A wholly owned subsidiary of:

**KALPATARU POWER TRANSMISSION LIMITED**

House No. – 6, C/o Bhabani Prasad Sarmah,  
Chilarai Path, Ward No. – 28, Survey Beltola,  
Guwahati. 781 028. Assam  
Tel +91 361 - 2233144

**Table - 1**

**Comparative Statement of three alternate routes for 400 KV D/C (Twin) New Mariani – New Kohima Transmission Line**

| Sl No | Item Description                     | Route Alignment - 1                                                                                                                                                    | Route Alignment - 2                                                                          | Route Alignment - 3                                                                                                                                                      |
|-------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Route Length                         | 119.99                                                                                                                                                                 | 131.23                                                                                       | 110.98                                                                                                                                                                   |
| 2     | Terrain Description                  | Plain (66%) Hilly (34%)                                                                                                                                                | Plain (11%) Hilly (89%)                                                                      | Plain (87%) Hilly (13%)                                                                                                                                                  |
| 3     | Quantity of Angle Tower              | 146                                                                                                                                                                    | 205                                                                                          | 135                                                                                                                                                                      |
| 4     | <b>Environmental Details</b>         |                                                                                                                                                                        |                                                                                              |                                                                                                                                                                          |
| 4.i   | Towns in Alignment                   | 2                                                                                                                                                                      | 3                                                                                            | 2                                                                                                                                                                        |
| 4.ii  | Trees / crops & its extent of damage | 3.75% of line will pass through RF area which is unavoidable and rest will pass through cultivated, paddy lands and some villages with other seasonal vegetations etc. | 8.96% of line will pass through RF area and heavy tree cutting and felling will be required. | 30.81 % of line will pass through RF area which is unavoidable and rest will pass through cultivated, paddy lands and some villages with other seasonal vegetations etc. |
| 4.iii | <b>Forest Involvement</b>            |                                                                                                                                                                        |                                                                                              |                                                                                                                                                                          |
| 4.iv  | Forest Area in Km                    | 4.487                                                                                                                                                                  | 11.770                                                                                       | 34.203                                                                                                                                                                   |
| 4.v   | Type of Fauna                        | Hangalu, Bhatila, Hilka, Poma, Karmar, Gamari, Mango, Jamun, Jackfruit.                                                                                                | Eucalyptus, Bhatila, Hilka, Poma, Karmar, Gamari, Shisham, Kadam, Sishu.                     | Hangalu, Bhatila, Hilka, Poma, Karmar, Gamari, Mango, Jamun, Jackfruit, Simul.                                                                                           |
| 4.vi  | Forest Type                          | Forest                                                                                                                                                                 | Heavy dense forest & large trees                                                             | Forest                                                                                                                                                                   |
| 4.vii | Endangered species                   | Monkey, Fox and Wild Boar                                                                                                                                              | Monkey, Fox and Wild Boar                                                                    | Monkey, Fox and Wild Boar                                                                                                                                                |



CIN: U40102DL2016GOI290060



**KOHIMA-MARIANI  
TRANSMISSION LIMITED**

A wholly owned subsidiary of:

**KALPATARU POWER TRANSMISSION LIMITED**

House No. – 6, C/o Bhabani Prasad Sarmah,  
Chilarai Path, Ward No. – 28, Survey Beltola,  
Guwahati. 781 028. Assam  
Tel +91 361 - 2233144

| Sl No | Item Description     | Route Alignment - 1                                                                                                                                                  | Route Alignment - 2                                                                                                                               | Route Alignment - 3                                                                                                                               |
|-------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 5     | Compensation Cost    | Low due to involvement of less forest area and less route length                                                                                                     | High due to involvement of more forest area                                                                                                       | High due to involvement of more forest area and more route length                                                                                 |
| 6     | Construction problem | Forest clearance will create construction problem but it is unavoidable. Other than that all the area is easily accessible for construction and maintenance purpose. | Forest clearance will create construction problem but it is unavoidable. Accessibility is not available for construction & maintenance in future. | Forest clearance will create construction problem but it is unavoidable. Additionally tea garden and rubber plantation also involved in the line. |
| 7     | O&M problems         | Forest and trees will sometimes cause problems in O&M stage. However can be attended fast as there will be possible accessibility along the line.                    | Due to presence of dense forest, the accessibility is difficult in O&M stage.                                                                     | Forest and trees will sometimes cause problems in O&M stage. However can be attended fast as there will be possible accessibility along the line. |
| 8     | Overall remarks      | Technically & economically most feasible route in view of involvement of less forest area and less route length.                                                     | Technically & economically less feasible due to dense forest area.                                                                                | Technically feasible but involvement of forest area and route length is more as compared to alternative route.                                    |

