

Justification for locating the Project in forest area

In order to eradicate low voltage problem in the Southern Part of the State it is felt essential to go for installation of 2 X 40 MVA, 220/33 KV Transformers adjacent to the existing 220/132/33 KV Grid Sub-Station at Baliguda, Kandhamal district will be connected to the system by drawing 102.037 KMs of 220 KV DC line from existing 220/132 KV Grid Sub-Station at Kesinga, Kalahandi district. Day today Govt. Offices like Tahasils, Blocks, NAC, Hospitals, Schools, Colleges are expanding resulting increase of commercial Houses, Business Activities, Small to Medium Industries and Lift Irrigation activities for agriculture purpose.

This Project is meant for uninterrupted, reliably and quality power supply in the District of Kalahandi and Kandhamal and associated system connected to 220/132/33 KV Grid Sub-Station at Sirttigura, Baliguda. The project will help in improving Irrigation, Agriculture, Industry and other Small Scale Industries which will improve the living standard of the public. The main objects of this project are,

1. Improvement of power supply will overcome Low Voltage problems, reduce outage thus improving the efficiency of the domestic and agriculture appliances
2. Quality power will encourage small scale and medium scale industries which will generate employment in the area of Kalahandi, Kandhamal District and its associated areas.
3. Due to Electrification of the villages and Cities with quality power, this will reduce growth of the criminal activities.
4. Quality power supply will facilitate Administration to provide common people better equipped Hospital and help in upgraded Technical Institutions for education and administration.
5. Growth of trade and Commerce will boost up due to improvement in the agriculture products, small scale Industrial Development and increase area under cultivation due to quality supply of water.

Alternate Alignment

All possible alternatives have been explored to reduce the area of forest land avoiding thickly populated village areas and thickly forest area before finalization of the selected route. The area was studied thoroughly and found that other routes are having impact on forest areas.

The suitable Route (Route-III) of the Transmission line is from existing 220/132 KV Grid Sub-Station at Kesinga, Kalahandi district to proposed 220/132/33 KV Grid Sub-Station at Sirttigura under K. Nuagaon Tahasil in the district of Kandhamal over a length of 102.037 KMs. This project total area involved 357.129 Ha (136.966 Ha of Forest Land (94.013 Ha in Baliguda Forest Division + 42.953 Ha in Kalahandi North Forest Division) and 220.163 Ha of Non Forest Land (65.660 Ha in Baliguda Forest Division + 154.503 Ha in Kalahandi North Forest Division). This Project area does not come under any protected areas.

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Route – I: -

The length of the transmission line is about 103.654 KMs and having 230 Angle Points. This route involves total forest area 190.807 Ha including 119.438 Ha of Reserved Forest and passing through Sadel Block A.R.F, Taparanga R.F, Birabaru R.F, Jarka R.F, Budhanai South P.R.F and Budhanai North P.R.F, Pusangia P.R.F

Route – II:-

The length of the transmission line is about 102.367 KMs and having 216 Angle Points. This route involves total forest area 201.495 Ha including 141.679 Ha of Reserved Forest and passing through Urladani R.F, Budhanai South P.R.F Kurtamgarh R.F and Rutungia P.R.F

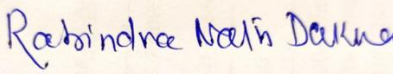
Route – III:-

The length of the transmission line is about 102.037 KMs and having 177 Angle Points. This route involves total forest area 136.966 Ha including 68.357 Ha of Reserved Forest and passing through Budhanai South P.R.F and Budhanai North P.R.F, Kurtamgarh RF, Pusangia P.R.F, Rutungia P.R.F, Taparanga RF and Laetara D.P.F

After extensive exercise 3 alternative routes (Route-I, Route-II and Route-III) are analyzed for construction of transmission line. Out of above 3 routes, Route No. III has been finalized for the following reasons.

1. This route is Technical feasible for drawing transmission line
2. This route involves a less forest area 136.966 Ha (Baliguda Forest Division 94.013 Ha + Kalahandi North Forest Division 42.953 Ha) in compared with the forest areas of other alternate routes.
3. Other than Route No. III, no alternate route can be considered to save green land and plain area
4. This Route is well located for incoming and outgoing transmission line with a proper road connectivity with less power loss
5. This proposed Route is aligned in such a way, so that lesser no's of trees are to felled and pruned
6. For construction of the transmission line & Grid Sub-Station there is a requirement of huge employment potential. Beside we have already engaged local people for detailed survey of the proposed project area. Around 300 people will be engaged continuously for 5 to 6 months during construction period. Also opportunities will be developed after strengthening of power scenario in course of construction. Local contractors shall be benefited to a large extent.

Beside the above employment indirect but continuous engagement of some local people is being generated for statutory work, maintenance work etc.


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