

**JUSTIFICATION FOR LOCATING THE PROJECT IN FOREST LAND****PROJECT DETAILS :-****Construction of 132kV Bairabi-West Phaileng via Mamit Transmission Line at Mamit district in the state of Mizoram under North East Council.(NEC)****Forest area involved: 11.17 hectare**

The present total restricted power requirement of Mamit District is about 5MW during peak hours and it is cater by 12.5MVA 132/33kV Transformer installed at Aizawl which also fed some part of Aizawl City. Due to the increasing load of this transformer Load shedding is restored very often to protect the Transformer from Over Loading. The present status of Power Sub-Station and High Tension Line (33kV) within Mamit District are as below:-

- 1) 2.5MVA 33/11kV Sub-Station Rawpuichhip.
- 2) 2x2.5MVA 33/11kV Sub-Station West Phaileng.
- 3) 2x1.6MVA 33/11kV Sub-Station Luangpawl Mamit.
- 4) 2x2.5MVA 33/11kV Sub-Station Electric Veng Mamit.
- 5) 1x1.6MVA & 1x3.15MVA 33/11kV Sub-Station Zamuang.
- 6) 132kV Line Charge at 33kV – 60kM & 33kV Line- 161kM.

Due to lengthy and old age of 33kV Transmission line and restriction of 12.5MVA 132/33kV Power Transformer at Aizawl, power stability and regularity within Mamit District is very poor as compared to other part of the State. To reduce Power interruption and to enhance Power stability within Mamit District Various Scheme – Construction of 2x6.3MVA 132/33kV Sub-Station under NESIDS at Mamit, West Phaileng & Marpara under NERSHIPS, 2x2.5MVA 33/11kV Sub-Station under Zawlnuam are in full swing. In order to catered the newly coming up Grid Sub-Stations under various Scheme and existing 33kV Sub-Station, the existing transmission line is not enough, therefore a scheme for Construction of 132kV Transmission Line Bairabi to West Phaileng via Mamit have been submitted to North Eastern Council (NEC) and conveyed approval vide their letter No NEC/POW/577/MIZO/2014-5866 dated. 9<sup>th</sup> April, 2017 with a total financial implication of 54.95 crore.

Accordingly, Survey for Construction of 132kV Line have been carried out keeping in mind to have minimum impact on deforestation of trees, plantation both Govt and private plantation along the alignment of Line. The propose route alignment follow Major District Road Bairabi to Mamit and NH-44A. The total line length is 69.10kM and total Reverine Reserve Forest Area and Plantation passed through by the line is 4.14KM only. Also the total Right of Way for Line Corridor requirement is about 11.17 hectare only.

As stated above, in order to enhance Power Infrastructure in Mamit town and adjoining Villages and for improvement of power distribution Net work in the Whole Western Belt of Mizoram as well, Construction of 132kV Line Bairabi to West Phaileng via Mamit is inevitable which will in turn serve as a bridge linking both 132kV Bairabi and Aizawl Sub-Station as well. As the line passes through Forest Area it is hereby apply forest clearance as per MoEF guidelines.

  
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