



KERALA STATE ELECTRICITY BOARD LTD

(Incorporated under the Indian Companies Act, 1956)

Regd. Office: Vidyuthi Bhavanam , Pattom, Thiruvananthapuram -04

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TDKM – DB 61/2022-23/ 416

Date : 23 .07.2022

To

The Divisional Forest Officer
Munnar Division
Devilkulam
< dfo-mnr.for@kerala.gov.in >

Sir,

Sub:-Construction of 220kV DC Transmission line from Mankulam-Valara- reg:-

Ref:-

1. Proposal No. FP/KL/TRANS/20292/2016 submitted on 27.07.2016
2. Query number L/M-7-0478/2019 dtd 07.07.2020 of DFO, Munnar
3. Meeting conducted on 24.05.2022 at O/o the DFO Munnar Division, Devilkulam.
4. Letter No. TDKM – DB61/2022-23/ dtd. 01.06.2022 of this office
5. Query No. M7-3478/2019 dated 22.06.2022 of DFO, Munnar

Please refer to the above. The line survey through forest area in connection with evacuation of power from the proposed Mankulam HEP by constructing 220kV Double Circuit EHT line from Mankulam to Valara has conducted during the year 2014-15 and the proposal has submitted to the DFO Munnar on 27.05.2016 through Parivesh portal for diversion of the forest land. As per the present status the file is pending with KSEBL for want of reply to the query raised by the DFO vide ref (5) cited above. As per the query vide ref 2 we have to submit the sketch showing the polygon for the required area. We have submitted only a line map showing the line route. A joint survey is also required to proceed for this as per the latest query. Since the line survey has been conducted during 2014-15, the premarked trees, angle points etc in the line route cannot be located for joint verification with Forest authorities. Hence a new survey is required.

Now while examining the matter of a new survey it is observed that the route is passing through the dense forest in some areas. This will require large number of tree felling. Also we have requested 35 meter right of way for the line as per the guide lines and IS. Hence an investigation has been done in this matter and following suggestions were made.

1. A road is passing near to the submitted route. If we divert the route for approximately 4 Km from the total 11.2 Km route through the dense forest to the side of this road, the number of trees that are to be felled can be reduced considerably. This will be more beneficial than the existing proposal in terms of conserving the biodiversity.
2. As per the latest guide lines the vertical clearance required for the Electric line in the Elephant corridor is 6 m extra to the vertical clearance specified in the latest CEA regulations. Hence we have to go for tall multi circuit multi voltage towers as this area is an Elephant corridor. If this type of tall towers are used, only 22m right of way is required for 220kV lines instead of 35 m. Kindly recall the right of way requested for the 220kV Pallivasal-Aluva Transgrid Towers which is only 22m. Hence a saving of 13m right of way for the entire 11.2 km is possible, ie. 14.5 Ha of forest land can be conserved. Corresponding trees under the area of 14.5 Ha also can be conserved.

Hence if we consider the above 2 points, it will be very much beneficial in terms of number of trees to be felled and diversion required for forest land. **Thus the line route already uploaded in the Parivesh portal is to be revised for incorporating the changes mentioned above.** So I kindly request you to give permission to submit a revised land survey details for the diversion of forest land for the subject work as it is helpful for conserving the biodiversity in both ways.

I also request you to issue necessary permission to enter in to the proposed line route for conducting survey along with the permission to clear the jungles to facilitate the survey.

Yours faithfully


Executive Engineer


Copy submitted to:-

The Deputy Chief Engineer, Transmission Circle, Thodupuzha

Copy to:-

The Assistant Executive Engineer Transmission Sub Division Kothamangalam