

To
The Secretary
A.P. Electricity Regulatory Commission
4th floor, Singareni Bhavan, Red Hills
Hyderabad - 500 004

February 15, 2020

Respected Sir,

Sub: - Investment proposal for Transmission Scheme for Power evacuation from 12 x 80 MW Polavaram Hydro Electric Project in East Godavari district

With reference to your public notice dated 28.1.2020, inviting objections and suggestions on the subject proposal, I am submitting the following points for the consideration of the Hon'ble Commission:

1. Central Electricity Authority, vide letter dated 10.7.2019 granted approval for the following two 400 kv lines for evacuation of power from Polavaram Hydro Electric Project:
 - a) Polavaram – Guddigudem 400 kV doubled circuit (D/C) quad line.
 - b) Polavaram – Eluru 400 kV doubled circuit (D/C) quad line. However, APTRANSCO has submitted investment scheme for approval of the first item for an amount of Rs 358.10 Crs. Nothing is mentioned about the other line for power evacuation from Polavaram to Eluru line. It is difficult to understand the investment, if formulated in bits and pieces manner. For any project, detailed project report (DPR) is imperative. The subject proposal also must be a part of DPR of Polavaram.
2. Power generation from Polavaram Hydel plant may happen during June to December in a year. Wind generation plants in Andhra Pradesh generate power during June to September, being wind season.

3. Solar power plants would generate power throughout the year. The total Solar and Wind generation in the State is around 8500 MW. The State demand is around 10000 MW.
4. APTRANSCO has not given the details of generation mix considered to arrive at the present network. APTRANSCO may have to conduct system studies for the following cases:

Case 1: Considering peak wind generation plus solar generation and other existing thermal/hydel generation.

Case2: Maximum solar generation without wind generation (for off season of wind) and other existing thermal/hydel generation.

The above two studies have to be conducted for off peak demand also.

5. The details of peak demand and off peak demand for different seasons (scenarios) are not furnished. To arrive at optimum and efficient network, it is important to conduct system studies for different scenarios. No such study report is enclosed.
6. The present scheme talks about 400 kV power evacuation network. It is not known whether any downstream network is envisaged or not. If downstream network is required, the details of the same may be furnished.
7. If the details of total investment are known, then only cost benefit analysis can be studied.

Thanking you,

Yours sincerely,

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