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இலங்கைப் பொதுப் பயன்பாடுகள் ஆணைக்குழு
PUBLIC UTILITIES COMMISSION OF SRI LANKA



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உமது இல. }
Your No. }

අපේ අංකය } PUC/LIC/2022/TL/98
எமது இல. }
Our No. }

දිනය } 21st November 2022
திகதி }
Date }

Authorized officer
For License No. EL/T/09-002
Additional General Manager - Transmission
Ceylon Electricity Board,
Sir Chittampalam A. Gardiner Mawatha,
Colombo 02.

Re: Submission of the Draft Long Term Generation Expansion Plan 2023 - 2042

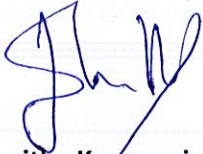
This refers to the letter dated 14th September 2022, received from Actg. General Manager with the submission of Long Term Generation Expansion Plan (LTGEP) 2023 - 2042 seeking the approval of the Commission.

Further to the information required through the Commission's letters (Ref: PUC/LIC/2022/TL/93, PUC/LIC/2022/TL/94 & PUC/LIC/2022/TL/97) dated 03rd October, 18th October and 04th November 2022, the Commission also require following additional information in order to approve the Long Term Generation Expansion Plan 2023 - 2042 according to Section 43 of the Sri Lanka Electricity Act No. 20 of 2009.

1. Can the contraction of GDP in 2022 and 2023 (projections made by the IMF, World Bank and ADB) be considered for reviewing the demand forecast?
2. Reason for not considering to increase SNSP level beyond 65% by incorporating synchronous condensers. Does it impact the plant schedule in Basecase, if the SNSP level is increased beyond 65% ?
3. Has the synthetic inertia which could be provided by the battery energy storage systems (BESS) been considered when limiting the SNSP to 65%?
4. Reason for not studying the impact of internalizing the cost of externalities (for all technologies) in the planning exercise at least as a separate scenario
5. Reason for not considering the historical slow demand growth for the demand growth projection of this plan. Have you considered the errors in historical predictions in previous plans and used correction factors to forecast the demand with reasonable accuracy in this plan? If yes, what are the correction factors?
6. Basis for considering 600MW nuclear power reactors in the plan which are not available at present

7. What are the temperature and pressure considered in the given heat rates of the candidate thermal power plants (Table 4.2)? Have these heat rates reviewed for local conditions?
8. Were the potential domestic battery storage installations by customers and TOU pricing to LV customers considered in forecasting the future demand?

The above information shall be submitted before 30th November 2022.



Damitha Kumarasinghe
Director General