



Your ref: PUC/E/Tariff/01

My ref: DGM (CS & RA)/ TRF/BST-Vol.II

Date: January 18, 2023

Director General
Public Utilities Commission of Sri Lanka
6th Floor, BOC Merchant Tower
No.28, St, Michael's Road
Colombo 3.

Dear Sir,

Demand Forecast for 2023

With reference to your letter No. PUC/E/Tariff/01 dated 2023-01-14, the requested information and clarifications forwarded by Transmission Licensee is attached as Annex-I, please.

Yours faithfully
CEYLON ELECTRICITY BOARD

Eng. (Mrs.) KVS M Kudaligama
Deputy General Manager
(Corporate Strategy & Regulatory Affairs)

Copy to: AGM (CS): fi pl.

Annex I

CEB Comments for PUCSL clarifications to the Letter No.: PUC/E/Tariff/01 dated 2023-01-14

No.	PUCSL Clarification	CEB Comment
1.	Methodology and assumptions used to arrive at the sales demand forecast for 2023, including but not limited to; a) Data used for trend analysis and any econometric/ regression analysis	<ul style="list-style-type: none"> - The sales data from 2010 has been used for the sales forecast for 2023 and is available in the LISS. - Time trend analysis is used to forecast to demand for 2023.
	b) Any point loads added	<p>DD4 has added following point loads to the distribution network.</p> <ul style="list-style-type: none"> - Melwa Steel Factory (7 MVA) - New Fullerton Zone (5 MVA) - Arabokka Pharmaceuticals Zone (10 MVA) <p>Other divisions have not considered the point load additions since the network expansions envisioned for 2023 has been shifted further due to current economic crisis of the country.</p>
	c) Justification for such methodology/ assumptions along with detailed calculations	<p>Linear/logarithmic/polynomial and exponential forecasts were done for different categories depending on the best fit of curves considering the coefficient of determination (r^2) of which close to be 1.</p> <p>Scenarios followed for distribution sales forecast are as follows.</p> <ol style="list-style-type: none"> 1. Followed the same methodology of the forecast done in tariff filing 2021-2023. 2. 3 trend analysis scenarios were done <ol style="list-style-type: none"> a. Business as usual (BAU) without considering sales drops due to Covid/Easter Sunday attack/Economic Crises. b. Considering the downfall of Covid/economic /Easter Sunday bomb attack. c. shift the starting point of load forecast from year 2020 down and continue the same growth as BAU thereafter. <p>Accordingly, scenario c. was selected as a policy decision which includes the downfall of 2020 and continue the same growth rates as BAU.</p>