



Your ref:

My ref: DGM(CS&RA)/TRF/Trf. 2025

Date: January 2, 2025

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



Handwritten notes:
Hassanaka
FNA
Re:
06/01/2025

Dear Sir,

First Electricity Tariff Revision 2025

This refers to your letter no. PUC/E/Tariff/01 dated 2024-12-30 regarding the above subject.

The dispatch forecast is prepared by CEB using Stochastic Dual Dynamic Program (SDDP) model where hydro dispatch is determined based on the stochastic inflow scenarios generated by the model itself using 44 years of historical data. CEB has already informed the Commission of such details. The most recent correspondence on this subject was my letter No. DGM(CS&RA)/TRF/Trf.2024, dated 2024-11-26, addressing inconsistency in hydro inflow forecasting of SDDP results of adjacent months. Hence, it is not possible to fix the hydro generation dispatch since the decision on hydro dispatch is developed within the model itself, based on the respective inflow scenarios under stochastic inflow approach.

To accommodate PUCSL's request for the forecast dispatch, National System Control Center (NSCC) has to run the SDDP model using a deterministic approach assigning fixed inflows, instead of the stochastic approach. Accordingly, the following data is required to prepare the requested dispatch forecast.

1. Hydro inflow data relevant to fixed hydro generation forecast

To prepare the requested dispatch on deterministic mode, it is required to input the anticipated monthly inflows to each reservoir and pond in the form of monthly MCM (average m³/s).

Hence, please provide the respective monthly inflows PUCSL requires CEB to consider for the fixed hydro dispatch, in the requested format for each reservoir and pond, so that the same can be input to the SDDP model to generate the fixed hydro generation dispatch desired by PUCSL.

2. NCRE profile data relevant to fixed NCRE generation forecast

CEB's NCRE dispatch forecast is developed by the model itself based on hourly NCRE generation profiles input, along with plant capacity details. Accordingly, to fix the requested NCRE dispatch forecast, it is required to modify the NCRE hourly generation profiles.

Thus, please provide the hourly generation profiles PUCSL requires to be considered for each renewable energy technology.

Also, it should be emphasized that CEB's dispatch is optimized on a yearly basis and thus to incorporate the requested fixed hydro and NCRE generation into the energy dispatch forecast, all requested inflow data and NCRE generation profile data must be provided for the entire year from January to December 2025.

Yours faithfully

CEYLON ELECTRICITY BOARD



Eng. Wasantha Edussuriya

Actg. General Manager

Ceylon Electricity Board

Eng. W. Edussuriya

Copy to: Actg. General Manager

1. Chairman, CEB - *ft pl.*
2. Addl. GM (CS) - *ft pl.*
3. Addl. GM (Tr. NWO) - *ft pl.*