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இலங்கைப் பொதுப் பயன்பாடுகள் ஆணைக்குழு
PUBLIC UTILITIES COMMISSION OF SRI LANKA



ඔබේ අංකය }
உமது இல. }
Your No. }

අපේ අංකය }
எமது இல. }
Our No. }

PUC/COA/GEN/2026/022

දිනය }
திகதி }
Date } 07.09.2026

Chief Executive Officer
National System Operator (Pvt) Ltd
7th Floor, 50, Sir Chittampalam A. Gardiner Mawatha
Colombo 02

**IMPLEMENTATION OF THE COMMISSION'S DECISION ON COMPENSATION
FOR CURTAILED RENEWABLE ENERGY GENERATION**

The Solar Industries Association and renewable energy developers submitted complaints to the Public Utilities Commission of Sri Lanka (PUCSL) regarding the curtailment of renewable energy generation by the National System Operator (NSO). Following discussions with the relevant parties, a committee comprising representatives of the PUCSL, NSO, Electricity Distribution Lanka Ltd and renewable energy developers was established to develop a transparent and objective methodology for quantifying curtailed energy. The Committee has completed its work and developed the proposed methodology, which has been broadly agreed upon by the renewable energy developers, subject to further improvements as data availability and system capabilities are enhanced.

Having considered the methodology developed by the Committee and the proposed framework for the assessment and settlement of compensation in respect of curtailed renewable energy, the Commission has approved the said methodology and compensation framework.

1. Commission-Approved Methodology for Quantification of Curtailed Renewable Energy

The Committee has developed a methodology for quantifying curtailed renewable energy based on available operational, metering, and forecasting data. The Commission approved detailed methodology is attached as Annexure 1 and summarized in Annexure 2.

2. Commission-Approved Payment Plan for Curtailment

Having considered the proposed framework for the assessment and settlement of compensation in respect of curtailed renewable energy, the Commission has approved the said compensation framework.

Accordingly, compensation shall be calculated based on the applicable energy purchase tariff specified in the respective Standardized Power Purchase Agreements (SPPAs), in accordance with the approved quantification methodology.

The following payment arrangements shall be implemented by the NSO:

2.1 Settlement of Compensation for the Year 2025

All compensation payable to renewable energy developers in respect of curtailed energy during the year 2025 shall be assessed, verified, and settled in full on or before 28 February 2027 by the NSO. This payment shall cover all eligible curtailment events occurred during the year and quantified in accordance with the approved methodology.

2.2 Settlement of Compensation for the Year 2026

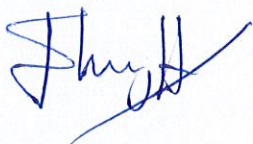
All compensation payable to renewable energy developers in respect of curtailed energy during the year 2026 shall be assessed, verified, and settled in full on or before 31 August 2027 by the NSO. The settlement shall include all verified compensation claims arising from curtailment events during the year in accordance with the approved methodology.

2.3 Future Compensation Payments

With effect from 1 January 2027, compensation payable for renewable energy curtailment shall be estimated, invoiced and settled by the NSO in accordance with the approved methodology and compensation framework. All such payments shall be made within three (3) months from the date of invoiced by the NSO.

Accordingly, you are hereby informed to take all necessary measures to give effect to the Commission's approved decision and to ensure that the assessment, verification, and settlement of compensation are completed within the above-mentioned timeframes.

The NSO is also informed to maintain and submit to the Commission, as and when required, the relevant operational, metering, forecasting, and other records necessary for the quantification and verification of curtailed energy, in accordance with the approved methodology.



Damitha Kumarasinghe
Director General

Copy: Chief Executive Officer, Electricity Distribution Lanka Pvt Ltd – For information and necessary actions

ELECTRICITY DISTRIBUTION LANKA (PVT) LTD

Technical Background Note: RE Generation Management & Proposed Curtailed Energy Quantification Methodology

Date: April 29, 2026

1. CEBAssist — RE Management Capabilities

CEBAssist Solution is the centralised utility platform used for real-time monitoring and remote management of NCRE plants connected to Sri Lanka's national grid. The following modules are directly relevant to curtailment management and reporting:

- **NCRE Real-Time Dashboard:** Displays present power generation (MW), monitoring capacity, and total installed capacity across ~ 290 monitored plants (total: 410 plants), broken down by technology type.
- **RE Generation Management:** The core operational module used by NSCC to create curtailment and restoration jobs, automatically select eligible plants, and notify provincial Distribution Control Centres (DCCs) via management tasks. Includes plant registry, exception management, and access control.
- **Solar PV Forecasting:** Integrates Solcast-based regional solar generation forecasts at 15-minute intervals across 15 geographic clusters covering Sri Lanka. Used for system-level generation planning and as the baseline for proposed solar curtailed energy quantification methodology.
- **Plant-Level Monitoring:** Individual dashboards per plant showing real-time and historical active power, reactive power, active power setpoint, irradiance, PV forecast, and estimated curtailed energy.

2. RE Curtailment Management Process

2.1 Normal Curtailment – CEBAssist System Managed

When system conditions require NCRE curtailment, NSCC creates a Curtailment Management Job in CEBAssist, specifying the Target Capacity (MW) and a De-load Factor (%) per plant type (0–100%). The system then automatically selects eligible plants using the following logic:

- **Eligibility:** Plant must have Active Power > 0, must have communicated within the last hour, must not be under an active exception window, and its plant type must have a non-zero de-load factor for the job.
- **Selection priority:** (1) Non-deloaded plants first; (2) lowest cumulative managed duration; (3) highest installed capacity; (4) alphabetical by plant name. Selection continues until aggregate de-load fractional power meets the Target Capacity.

Once plants are selected, the CEBAssist system generates individual Management Tasks (one per plant), notified to the relevant provincial DCC. A corresponding Restoration Job and Tasks follow the same process when curtailment is lifted.

Task execution is carried out in two ways depending on plant integration type:

- **Type 1 - API Integrated (~15 solar plants):** Setpoint commands are sent automatically to the plant's control system via API. Exact curtailment start time, setpoint percentage, and restoration time are all recorded automatically in CEBAssist.
- **Type 2 - Manual DCC Execution (~400 plants):** DCC staff execute curtailment either by remote Auto Reclosure (AR) operation or by physical disconnection at the plant. DCC staff are required to update the task record in CEBAssist with the actual disconnection time, restoration time, and the plant's active power reading immediately before disconnection. Compliance with this update requirement varies across provincial DCCs.

2.2 Urgent Curtailment – Outside the CEBAssist System

In urgent situations, NSCC communicates curtailment instructions to DCCs directly via telephone or WhatsApp, directing curtailment of all plants within a province. In such cases, no Management Job or Task is created in CEBAssist. Consequently, no plant-level records of curtailment timing, scope, or pre-curtailment generation exist within the system for these events.

3. Practical and Technical Challenges

Challenge	Detail
Smart meter data gaps	5-minute active power data is polled from smart meters and stored in CEBAssist. Some plants lack commissioned smart meters. Communication failures cause intermittent polling gaps. Since only instantaneous readings are stored (not a meter-resident profile buffer), missed polls are permanently unrecoverable.
DCC task update non-compliance	Accurate Type 2 curtailed energy quantification depends on DCC staff recording actual disconnection times, restoration times, and pre-curtailed generation readings in CEBAssist. In practice, some provincial DCCs update these consistently while others fail to do so, leaving task records incomplete.
Execution method variability	Type 2 curtailments are executed either via Auto Reclosure (which generates timestamped logs) or by manual physical visit (which produces no automatic record). The execution method is not tagged in the task record, preventing systematic AR log cross-referencing.
Urgent curtailments	No system record exists for urgent curtailments communicated outside CEBAssist. Quantification relies entirely on manually maintained DCC shift logs, AR logs (where applicable), and operator recollection.
Solcast regional granularity	Solar curtailed energy quantification uses Solcast forecasts aggregated at 15 regional cluster levels. Plant-level estimates are derived proportionally by installed capacity share within the cluster, introducing imprecision where intra-cluster irradiance conditions vary.
Historical data gaps	Past curtailment events (particularly older ones) have a higher rate of missing DCC task execution records. Retrospective recovery requires manual data collection and update.

4. Proposed Methodology for Curtailed Energy Quantification

4.1 General Principles

- A data source hierarchy is applied per plant per event, using the best available source. The source used for each calculation is explicitly recorded for transparency.
- Plants and events with insufficient data are excluded and listed separately with reasons, rather than being assigned arbitrary estimates.
- Each estimate is assigned a confidence tier (High / Medium / Low) based on data quality.
- An aging factor of 0.4% per year is applied to solar plant capacity to account for panel degradation.
- A plant that was not communicating at the time of task notification, or not available after the curtailment window, is not treated as a curtailed plant for that event.

4.2 Curtailment Timing - Data Source Hierarchy

- For Type 2 plants, DCC-recorded actual disconnection and restoration times from the CEBAssist task record is used.
- For Type 1 plants, API log timestamps are always used.

4.3 Curtailed Energy Quantification by Plant Type

Plant Type	Generation Baseline	Curtailed Energy Calculation	Confidence
Type 1 Solar (API, ~15 plants)	Solcast regional forecast disaggregated to plant level by installed capacity share, aging-adjusted	For each 15-minute interval within the curtailment window: (Solcast_cluster × Plant_IC/Cluster_IC × aging_factor - actual_metered_output) × 0.25 hrs. Sum across all intervals.	High

Plant Type	Generation Baseline	Curtailed Energy Calculation	Confidence
Type 2 Solar (~140 plants)	Same Solcast disaggregation as Type 1. Actual output during curtailment = 0 (full disconnection).	For each 15-minute interval in the curtailment window: (Solcast_cluster × Plant_IC/Cluster_IC × aging_factor) × 0.25 hrs. Sum across all intervals for total curtailed energy.	Low–Medium
Wind & Mini-Hydro	Average of 5-minute metered active power readings in the non-curtailed period of the particular day.	Pre-curtailed average power (MW) × curtailment duration (hrs). (If 5-minute data unavailable, plant is excluded.)	Medium / Low

4.4 Urgent Curtailments

Urgent curtailments communicated outside CEBAssist have no system records. Where possible, curtailed energy will be estimated using the same plant-type methodology, with timing derived from DCC. New CEBAssist features are required to enable retrospective capture of emergency curtailment timing and plant scope to support reliable quantification of such events in future.

5. Institutional Clarification and Way Forward

5.1 Responsibility for RE Curtailment Management

While the CEBAssist development and maintenance team is administratively placed under Electricity Distribution Lanka (Pvt) Ltd (EDL), the RE curtailment management process is initiated, controlled, and concluded by the National System Operator (Pvt) Ltd's National System Control Centre (NSCC). EDL's role is limited to the execution of individual plant-level tasks by provincial DCC staff. This administrative arrangement should not be construed as EDL bearing operational or data responsibility for the RE curtailment management process as a whole.

Accordingly, once the process and system improvements described below are in place, the generation and official submission of curtailment reports to PUCSL shall be the responsibility of NSO/NSCC, as the entity that initiates and oversees the entire curtailment process.

5.2 Proposed Improvements

- **DCC task update compliance:** Formal operational directive to all provincial DCCs mandating timely and complete recording of task execution details in CEBAssist, with supervisory monitoring by NSCC.
- **Emergency curtailment protocol:** Establish a formal procedure for NSCC to create retrospective Management Jobs and Tasks in CEBAssist following emergency curtailment events, with DCC staff updating execution times within the same shift.
- **Smart meter infrastructure:** Prioritise commissioning of smart meters at unmetered plants and explore configuration of interval data buffering in meters to enable retrospective recovery of missed polls.
- **Curtailed Energy Report module:** Develop a dedicated report module within CEBAssist that automatically applies the proposed quantification methodology, assigns confidence tiers, and generates exportable reports for NSCC to review and submit to PUCSL on a recurring basis.

The historical estimated curtailed energy data report requested by PUCSL will be generated from CEBAssist using the methodology above, applying the best available data for each plant and event. Given the data unavailability limitations documented in Section 3, estimates for some plants will not be available. This report is submitted to PUCSL with the request that these limitations be considered in the interpretation of the data.

RE Generation Management Module - Curtailed Energy Quantification

Generation Management Job

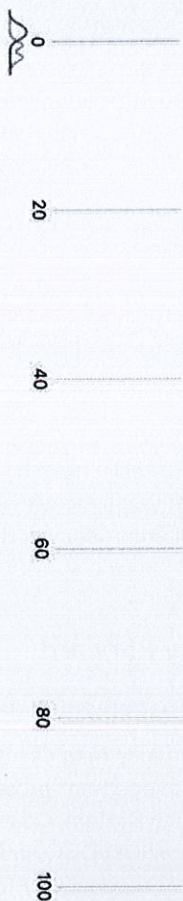
Management Job Details

JOB ID : J101415

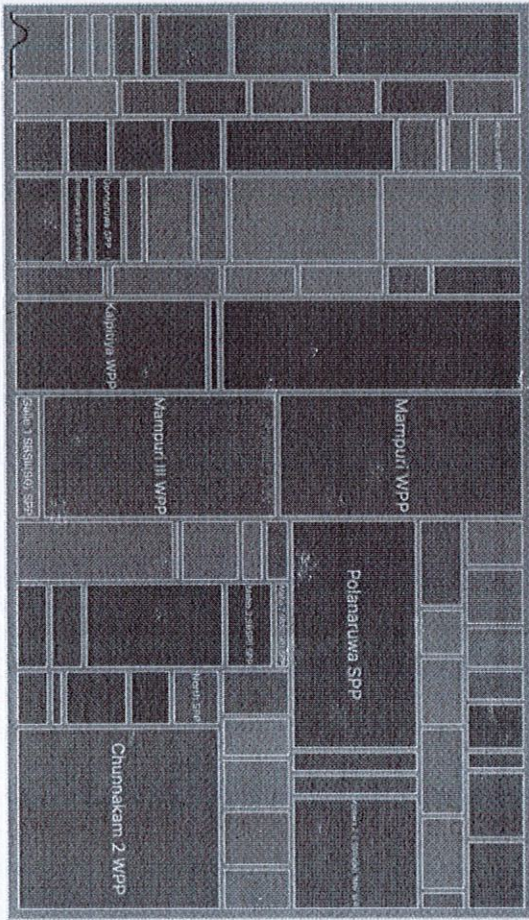
Curtailment Pending

Expected Execution Time : 2026/07/01 10:20

100.00 MW target capacity	100.67 MW achieved capacity	163.68 MW installed capacity	85 Nos no of plants	79,371.280 MW managed power
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Update Back



Management Tasks							
#	Province	Status Summary of Tasks	Σ Power Before Schedule (MW)	Σ Target Managed Power (MW)	Σ Managed Power (MW)	Progress	Actions
1	CP1	5 Pending	1,557 MW	1,557 MW	0.000 MW		▾ Details
2	CP2	2 Pending	1,225 MW	1,225 MW	0.000 MW		▾ Details

Generation Management Tasks

Management Task Details

TASK ID : T147188
JOB ID : J101415

Curtailed [100.00 %] Performed Manual Control

Acct. No. : 3270102089
Switchgear Id : 32DBT41
Mobile No. : (011) 286-9968

Plant Name : Vavunathivu 1 (2020/004-1/C-30) 4MW Solar Power Plant Navitas Solar Vavunathivu (Pvt) Ltd
Area : Batticaloa (EP - DD2)

Expected Execution Time : 2026/07/01 10:20

2.958 MW [2026-07-01 10:14:00] power before schedule	0.000 MW target power after execution [P<P<1-40]	3.660 MW [2026-07-01 11:00:00] power before execution [P]	3.660 MW managed power [P<-P<-min(P<, P)]
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Management Task Details

TASK ID : T147368
JOB ID : J101416

Restoration [100.00 %] Performed Manual Control

Acct. No. : 3270102089
Switchgear Id : 32DBT41
Mobile No. : (011) 286-9968

Plant Name : Vavunathivu 1 (2020/004-1/C-30) 4MW Solar Power Plant Navitas Solar Vavunathivu (Pvt) Ltd
Area : Batticaloa (EP - DD2)

Expected Execution Time : 2026/07/01 13:50

0.000 MW [2026-07-01 13:41:28] power before schedule	0.100 MW target power after execution [P<P<1-40]	0.000 MW [2026-07-01 14:45:00] power before execution [P]	-0.520 MW managed power [P<-P<-P<]
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Curtailed Energy Quantification - Chart & Slots [Manual Execution]

4 Curtailed Energy Quantification — [3270102089] Vavunathivu 1 (2020/004 1/C-30) 41MW Solar Power Plant
Task-based estimate (not operational telemetry chart)

Settlement Register Plants

Curtailed Date

01/07/2026

Times below shown in SLST (UTC+5:30)

Load

Recalculate

10.97 MWh

TOTAL EST. CURTAILED KWH

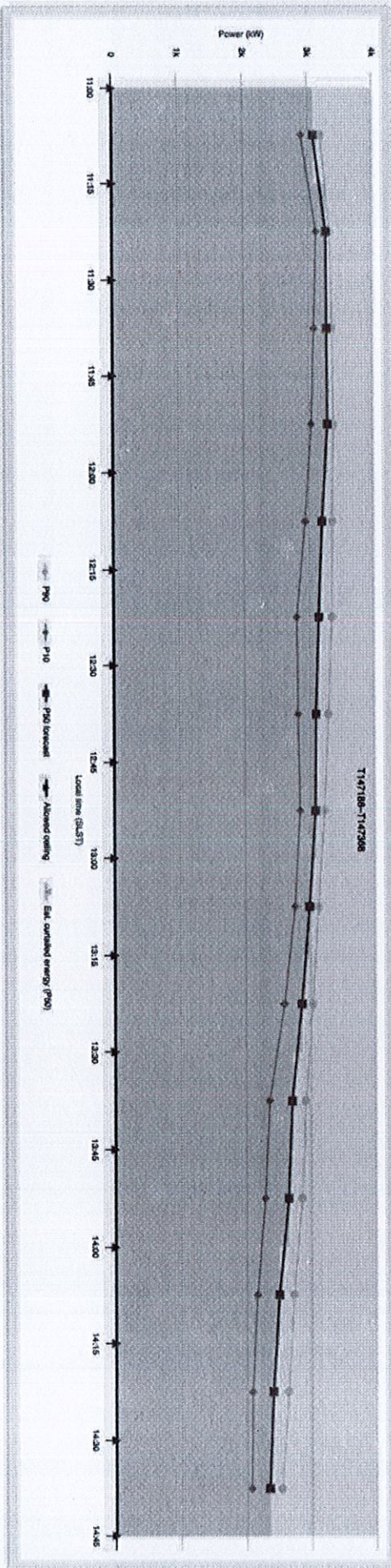
1 SLOTS

225

TOTAL DURATION (MIN)

0 EXCLUDED

Curtailed Energy Chart (stored estimates)



Solar: P90 forecast vs allowed ceiling (shaded = curtailed). Wind/Hydro: daily average vs allowed ceiling.

Curtailed Slots

Start (local)	End (local)	Duration	Setpoint %	Est. Curtailed KWh	Connected	Available	Status	Tasks
2026-07-01 11:00	2026-07-01 14:45	225.0 min	0.0%	10.969 MWh	Yes	Yes	Draft	T147188 → T147368



Curtailed Energy Quantification - Chart & Slots [Execution via API]

4 Curtailed Energy Quantification — [6670701667] Macitihawela Solar Power Plant
Task-based estimate (not operational telemetry chart)

Settlement Register

Plants

Curtailed Date

06/07/2026

Times below shown in SLSST (UTC+5:30)

Load

Recalculate

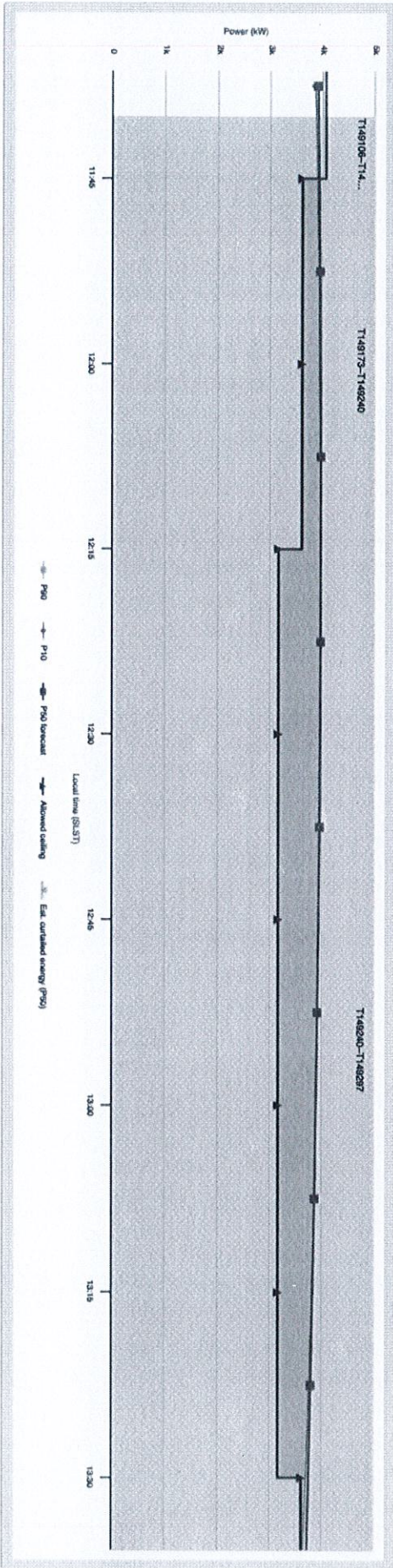
1.11 MWh
TOTAL EST. CURTAILED KWH

4
SLOTS

125
TOTAL DURATION (MIN)

0
EXCLUDED

Curtailed Energy Chart (stored estimates)



Solar: P90 forecast vs allowed ceiling (shaded = curtailed), Wind/Hydro: daily average vs allowed ceiling.

Curtailed Slots

Start (local)	End (local)	Duration	Setpoint %	Est. Curtailed kWh	Connected	Available	Status	Tasks	
2026-07-06 13:36	2026-07-06 13:45	9.0 min	80.0%	15.49 kWh	Yes	Yes	Draft	T149297 → T149364	
2026-07-06 12:15	2026-07-06 13:36	81.0 min	70.0%	926.54 kWh	Yes	Yes	Draft	T149240 → T149297	
2026-07-06 11:46	2026-07-06 12:15	29.0 min	80.0%	169.87 kWh	Yes	Yes	Draft	T149173 → T149240	
2026-07-06 11:40	2026-07-06 11:46	6.0 min	90.0%	0.00 kWh	Yes	Yes	Draft	T149106 → T149173	

Curtailed Energy Quantification - Slot Audit

Q Slot Audit — #4401

Register

Vavunathivu 1 (2020/004-1/C-30) 4MW Solar Power Plant [03270102089]

Plant ID: 424 Type: SPP

Curtail date: 2026-07-01

Slot: 2026-07-01 11:00 – 14:45

Tasks: T147188 / T147368

Est. Curtailed kWh: 10,9689 MWh

Status: Draft

Setpoint: 0% Duration: 225.0 min

Connected at start: Yes Available after end: Yes

Installed kW: 4000 Effective kW: 3993.78

Aging: 0.998445 (0.39 yr)

Calc version: 1.3.8 Calculated: 2026-07-03 01:30

P10: 9.9687 MWh P90: 11.5631 MWh

Plant day view

Solcast Period Detail (15-min slices)							
Period Start (local)	Period End (local)	Overlap (min)	Forecast P50 (kW)	Allowed (kW)	Slice P50 (kWh)		
2026-07-01 11:00	2026-07-01 11:15	15.00	3082.80	0.00	770.6996		
2026-07-01 11:15	2026-07-01 11:30	15.00	3276.10	0.00	819.0244		
2026-07-01 11:30	2026-07-01 11:45	15.00	3282.09	0.00	820.5220		
2026-07-01 11:45	2026-07-01 12:00	15.00	3288.88	0.00	822.2194		
2026-07-01 12:00	2026-07-01 12:15	15.00	3199.82	0.00	799.9541		
2026-07-01 12:15	2026-07-01 12:30	15.00	3141.91	0.00	785.4766		
2026-07-01 12:30	2026-07-01 12:45	15.00	3091.58	0.00	772.8962		
2026-07-01 12:45	2026-07-01 13:00	15.00	3076.81	0.00	769.2020		
2026-07-01 13:00	2026-07-01 13:15	15.00	2977.76	0.00	744.4405		
2026-07-01 13:15	2026-07-01 13:30	15.00	2858.35	0.00	714.5870		

Curtained Energy Quantification - Exception Register

Quantification Register

Excluded estimation slots and curtailments missing same-day restoration (operations queue). Times shown in Sri Lanka local time (SLTS, UTC+5.30)

From

01/07/2026

To

01/07/2026

Type

All

Account

Acct No

Apply

Q

25

Settlement Register

Plants

Type	Date	Account	Plant	Reason	Message	Actions
Incomplete restore	2026-07-01	1970003235	Mampuri WPP	IncompleteRestore	Curtailment T147205 has no same-day restoration task	 
Incomplete restore	2026-07-01	1970003804	Kalpitiya WPP	IncompleteRestore	Curtailment T147204 has no same-day restoration task	 
Incomplete restore	2026-07-01	8371200129	Erunbukkudai WPP	IncompleteRestore	Curtailment T147230 has no same-day restoration task	 
Incomplete restore	2026-07-01	8371200218	Mampuri III WPP	IncompleteRestore	Curtailment T147206 has no same-day restoration task	 
Incomplete restore	2026-07-01	1670102696	Chunnakam 2 WPP	IncompleteRestore	Curtailment T147246 has no same-day restoration task	 
Incomplete restore	2026-07-01	4470002356	Mathugama 1 SBSPII SPP	IncompleteRestore	Curtailment T147243 has no same-day restoration task	 
Incomplete restore	2026-07-01	8871900073	Mathyanganya 1 SBSPII SPP	IncompleteRestore	Curtailment T147194 has no same-day restoration task	 
Incomplete restore	2026-07-01	8871900057	Mathyanganya 2 SBSPII SPP	IncompleteRestore	Curtailment T147190 has no same-day restoration task	 
Incomplete restore	2026-07-01	8871900065	Mathyanganya 3 SBSPII SPP	IncompleteRestore	Curtailment T147189 has no same-day restoration task	 
Incomplete restore	2026-07-01	4670003305	Horana 2 SBSPII SPP	IncompleteRestore	Curtailment T147200 has no same-day restoration task	 
Incomplete restore	2026-07-01	4470002399	Mathugama 3 SBSPII(90) SPP	IncompleteRestore	Curtailment T147244 has no same-day restoration task	 
Incomplete restore	2026-07-01	6571000393	Horana 3 SBSPII SPP	IncompleteRestore	Curtailment T147242 has no same-day restoration task	 
Incomplete restore	2026-07-01	8771900039	Mathugama 2 SBSPII(90) SPP	IncompleteRestore	Curtailment T147218 has no same-day restoration task	 
Excluded	2026-07-01	5970003352	Pannala 1 SBSPII(90) SPP	NotConnectedAtStart	NotConnectedAtStart	  

Curtailed Energy Quantification Register

Curtailed Energy Quantification Register

Task-based energy estimates (PUCSL methodology). Subject to NSO & PUCSL approval. All times shown in Sri Lanka local time (SLTS, UTC+5:30)

33
TOTAL SLOTS97.22 MWh
EST. CURTAILED KWH27
DRAFT6
EXCLUDED

A Exceptions

Plants

Recalc Yesterday

Export CSV

01/07/2026

01/07/2026

Acct No

SPP

All

Apply

Approve Selected

Q

25

Date	Account	Plant	Type	Slot (local)	Setpoint %	Est. Curtailed kWh	Status	Notes	
2026-07-01	6670701675	Godigamuwa Solar Energy Plant	SPP	2026-07-01 11:23 - 14:10	0.0%	6.401 MWh	Draft		Q
2026-07-01	6670701586	Veyangoda - 3MW SPP	SPP	2026-07-01 11:18 - 13:50	0.0%	—	Excluded	NotAvailableAfterEnd	Q
2026-07-01	5672100104	Vavunathivu 6 SBSII(90) SPP	SPP	2026-07-01 11:11 - 14:40	0.0%	1.214 MWh	Draft		Q
2026-07-01	6670701594	Veyangoda - 2MW SPP	SPP	2026-07-01 11:10 - 14:00	0.0%	—	Excluded	NotAvailableAfterEnd	Q
2026-07-01	8972000523	Neelumgala SPP	SPP	2026-07-01 11:01 - 14:48	0.0%	2.137 MWh	Draft		Q
2026-07-01	3270102089	Vavunathivu 1 (2020/004-1/C-30) 4MW Solar Power Plant	SPP	2026-07-01 11:00 - 14:45	0.0%	10.969 MWh	Draft		Q
2026-07-01	3270102097	Vavunathivu 2 (2020/004-1/C-30) 4MW Solar Power Plant	SPP	2026-07-01 11:00 - 14:40	0.0%	10.382 MWh	Draft		Q
2026-07-01	2470102731	Ampara 2-6 SBSII(90) 1MW SPP	SPP	2026-07-01 11:00 - 14:30	0.0%	12.933 MWh	Draft		Q
2026-07-01	8471201089	Mirigama - 1MW SPP	SPP	2026-07-01 11:00 - 14:18	0.0%	1.892 MWh	Draft		Q
2026-07-01	2470102502	Ampara 1 SBSPII SPP	SPP	2026-07-01 11:00 - 14:40	0.0%	—	Excluded	NotAvailableAfterEnd	Q
2026-07-01	2470102650	Ampara 1 SBSII(90) SPP	SPP	2026-07-01 11:00 - 14:40	0.0%	—	Excluded	NotConnectedAtStart	Q

Note: Each plant's curtailed energy estimate is generated in 'Draft' status. Authorised NSO staff must review and approve the estimate for each plant before the summary report can be generated.

Summary Report

AcctNo	PlantName	PlantType	CurtailDateLocal	StartStartLocal	StartEndLocal	SetpointPct	EntCurtail kWh	DurationMin	ConnectedStart	AvailableEnd	PaymentStatus	Notes	CalcVersion
6670701675	418 Gadigunawa Solar Energy Plant	SPP	2026-07-01	2026-07-01 11:23:00	2026-07-01 14:10:00	0	6400.826845	167	Yes	Yes	Draft		1.3.8
6670701596	383 Veyangoda - 3MW SPP	SPP	2026-07-01	2026-07-01 11:18:00	2026-07-01 13:50:00	0		152	Yes	No	Excluded	NotAvailableAfterEnd	1.3.8
5672100104	330 Vavunathivu 6 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 11:11:00	2026-07-01 14:40:00	0	1214.351194	209	Yes	Yes	Draft		1.3.8
6670701594	394 Veyangoda - 2MW SPP	SPP	2026-07-01	2026-07-01 11:10:00	2026-07-01 14:00:00	0		170	Yes	No	Excluded	NotAvailableAfterEnd	1.3.8
6972000623	405 Nekungala SPP	SPP	2026-07-01	2026-07-01 11:01:00	2026-07-01 14:48:00	0	2136.755548	227	Yes	Yes	Draft		1.3.8
3270102089	424 Vavunathivu 1 (2020/004-1/C-30) 4MW Solar Power Plant	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:45:00	0	10968.91568	225	Yes	Yes	Draft		1.3.8
3270102097	426 Vavunathivu 2 (2020/004-1/C-30) 4MW Solar Power Plant	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:30:00	0	10382.343333	220	Yes	Yes	Draft		1.3.8
2470102071	366 Ampara 2-5 SSSI(90) 1MW SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:30:00	0	12932.520864	210	Yes	Yes	Draft		1.3.8
6471201089	398 Mirigama - 1MW SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:18:00	0	1891.560226	196	Yes	Yes	Draft		1.3.8
2470102502	311 Ampara 1 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:40:00	0		220	Yes	No	Excluded	NotAvailableAfterEnd	1.3.8
2470102850	312 Ampara 1 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:40:00	0		220	No	No	Excluded	NotConnectedAtStart	1.3.8
5672100112	328 Vavunathivu 7 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:45:00	0	1356.834916	225	Yes	Yes	Draft		1.3.8
2470102466	335 Trincomalee 4 SBS II (90) SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:40:00	0	2578.447334	220	Yes	Yes	Draft		1.3.8
2470102457	336 Trincomalee 5 SBS II (90) SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:40:00	0	1284.262897	220	Yes	Yes	Draft		1.3.8
2470102449	337 Trincomalee 6 SBS II (90) SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:40:00	0	1284.262897	220	Yes	Yes	Draft		1.3.8
2470102430	338 Trincomalee 7 SBS II (90) SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:40:00	0	1284.262897	220	Yes	Yes	Draft		1.3.8
5672100171	341 Poluruvuwa SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:30:00	0		210	No	No	Excluded	NotConnectedAtStart	1.3.8
6972000159	291 Maho 7 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 11:00:00	2026-07-01 14:18:00	0	1865.948455	196	Yes	Yes	Draft		1.3.8
6972000140	290 Maho 6 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:56:00	2026-07-01 14:18:00	0	1876.241795	199	Yes	Yes	Draft		1.3.8
6972000027	270 Maho 4 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:56:00	2026-07-01 15:06:00	0	2259.985737	250	Yes	Yes	Draft		1.3.8
7670001704	246 Maho 3 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:56:00	2026-07-01 15:05:00	0	2254.399628	249	Yes	Yes	Draft		1.3.8
7670001712	245 Maho 2 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:55:00	2026-07-01 15:05:00	0	2264.62783	250	Yes	Yes	Draft		1.3.8
6972000051	268 Maho 1 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:55:00	2026-07-01 15:04:00	0	2272.625056	249	Yes	Yes	Draft		1.3.8
6972000418	365 Mahawa - 1.8MW SPP	SPP	2026-07-01	2026-07-01 10:54:00	2026-07-01 15:04:00	0	3710.369907	250	Yes	Yes	Draft		1.3.8
69720000374	432 Isalgama Solar Power Project	SPP	2026-07-01	2026-07-01 10:53:00	2026-07-01 15:03:00	0	2336.760886	250	Yes	Yes	Draft		1.3.8
6970000492	307 Pannala 5 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:43:00	2026-07-01 15:03:00	0	2334.686835	213	Yes	Yes	Draft		1.3.8
59700003506	332 Pannala 4 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:42:00	2026-07-01 14:30:00	0	2345.977688	213	Yes	Yes	Draft		1.3.8
4570103782	299 Galle 3 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:35:00	2026-07-01 14:15:00	0	1568.618576	235	Yes	Yes	Draft		1.3.8
4570103683	278 Galle 1 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:33:00	2026-07-01 14:00:00	0	1404.913261	207	Yes	Yes	Draft		1.3.8
571300637	365 North SPP	SPP	2026-07-01	2026-07-01 10:33:00	2026-07-01 13:53:00	0	2448.82287	200	Yes	Yes	Draft		1.3.8
5470102568	411 Sooriya Shakti Akurugoda West Solar Power Plant	SPP	2026-07-01	2026-07-01 10:33:00	2026-07-01 14:00:00	0	10218.355628	207	Yes	Yes	Draft		1.3.8
1870102394	376 Kilinochchi SPP	SPP	2026-07-01	2026-07-01 10:23:00	2026-07-01 14:00:00	0	4337.873923	217	Yes	Yes	Draft		1.3.8
59700003362	284 Pannala 1 SSSI(90) SPP	SPP	2026-07-01	2026-07-01 10:20:00	2026-07-01 13:50:00	0		210	No	No	Excluded	NotConnectedAtStart	1.3.8

Note: Each plant's curtailed energy estimate is generated in 'Draft' status. Authorised NSO staff must review and approve the estimate for each plant before the summary report can be generated.

Technical Background Note on Quantification of Energy Curtailment.

The following quantification methods have been proposed by the EDL.

Plant Type	Generation Baseline	Curtailed Energy Calculation	Confidence
Type 1 Solar (API, ~15 plants)	Solcast regional forecast disaggregated to plant level by installed capacity share, adjusted for aging.	For each 15-minute interval within the curtailment window: $(\text{Solcast_cluster} \times \text{Plant_IC} / \text{Cluster_IC} \times \text{Aging_Factor} - \text{Actual_Metered_Output}) \times 0.25$ hrs. Sum all intervals to obtain total curtailed energy.	High
Type 2 Solar (~140 plants)	Same Solcast disaggregation as Type 1. Actual output during curtailment assumed to be 0 (full disconnection).	For each 15-minute interval within the curtailment window: $(\text{Solcast_cluster} \times \text{Plant_IC} / \text{Cluster_IC} \times \text{Aging_Factor}) \times 0.25$ hrs. Sum all intervals to obtain total curtailed energy.	Low-Medium
Wind & Mini Hydro	Average of 5-minute metered active power readings during the non-curtailed period of the same day.	$\text{Average Non-Curtailed Power (MW)} \times \text{Curtailment Duration (hrs)}$	Medium-Low

- **Type 1** - API Integrated (~15 solar plants): Setpoint commands are sent automatically to the plant's control system via API. Exact curtailment start time, setpoint percentage, and restoration time are all recorded automatically in CEBAssist.
- **Type 2** - Manual DCC Execution (~400 plants): DCC staff execute curtailment either by remote Auto Reclosure (AR) operation or by physical disconnection at the plant. DCC staff are required to update the task record in CEBAssist with the actual disconnection time, restoration time, and the plant's active power reading immediately before disconnection. Compliance with this update requirement varies across provincial DCCs.

Urgent Curtailments

Pre-curtailment average power (MW) $\times$ curtailment duration (hrs). (If 5-minute data unavailable, plant is excluded.) Urgent curtailments communicated outside CEBAssist have no system records. Where possible, curtailed energy will be estimated using the same plant-type methodology, with timing derived from DCC.

The Sample Process Diagram

