



CENTRAL ELECTRICITY BOARD

CEB Agrivoltaics (CAV) II Scheme

**CONNECTION AND ENERGY PURCHASE
AGREEMENT ¹**

Between

CENTRAL ELECTRICITY BOARD

and

[Insert Project Owner name as per the Registration Card (RC)]²

for the grid interconnection of a _____ kW

[Insert proposed Agrivoltaics capacity as allowed by CEB]

Hybrid Solar Photovoltaic System

at

[Insert site address of the Agrivoltaics facility]

Date: _____

¹ Any modification made in the content of this Agreement, except for filling of requested information, shall entail the automatic rejection of the application for the grid interconnection of the Facility and, without prior notice, the cancellation of CEB's consideration to agree the Connection and Energy Purchase Agreement.

² If the Project Owner (PO) name on the RC is different from the name in the CEB Information System, please contact the CEB Customer Service for the necessary amendment prior to filling the Connection and Energy Purchase Agreement.

[Insert Project Owner name as per the Registration Card (BRC)]

_____ kW Hybrid Solar Photovoltaic (PV) System

[Insert hybrid solar PV capacity as allowed by CEB]

Connection and Energy Purchase Agreement

This Connection and Energy Purchase Agreement (the “**Agreement**”) is made on _____ at the Central Electricity Board, Corporate Office, Rue Du Savoir, Cybercity, Ebène, Republic of Mauritius.

BETWEEN

The **CENTRAL ELECTRICITY BOARD (“CEB”)**, a body corporate, duly established under the Central Electricity Board Act and represented by **Mr.** _____ (National Identity Card No.: _____), its _____,

AND

The _____
[Insert Project Owner name], duly represented by **Mr./Mrs./Miss/Ms.** _____ (National Identity Card No.: _____), its _____ *[Insert full name, NIC number and designation of Project Owner designated representative]*

(Each a “**Party**” and collectively the “**Parties**”)

- (i) WHEREAS CEB is the owner and operator of the 22 kilovolts (kV) distribution system (the “**Distribution System**”).
- (ii) WHEREAS _____ *[Insert Project Owner name]* owns and will operate an agrivoltaics facility, also referred as a Medium-Scale Distributed Generation (**MSDG**) facility (the “**Facility**”), as shown in the schematic diagram given in the **Annex 1**. The Facility, registered by CEB with the reference number **MSDG/CAVII/GM/**_____ *[Leave blank]*, has been installed on _____ *[Insert Project Owner name]* premises at _____ *[Insert site address]*, Republic of Mauritius.
- (iii) WHEREAS _____ *[Insert Project Owner name]*, who is registered with the **Business Partner (BP) number** _____ *[Insert Project Owner’s Business Partner Number, as on electricity bill]* in CEB information system, has connected or wishes to connect its Facility to the Distribution System and CEB has connected or has agreed to connect the Facility to the Distribution System; both, in accordance with the **Specific Terms and Conditions of the**

CEB Agrivoltaics (CAV) II Scheme set out in the **Annex 2** of this Agreement, the applicable MSDG Grid Code including its amendments (the "**Code**"), and other relevant legislations and regulations, including subsequent amendments.

- (iv) WHEREAS CEB has previously reviewed and accepted _____'s *[Insert Project Owner Name]* application for the grid interconnection of the Facility under the **CAV II Scheme**, launched in December 2025, based on related materials that were submitted to CEB and in accordance with the provisions of the Code.
- (v) And WHEREAS in accordance with the Electricity Act, the Code, and the terms & conditions set out in this Agreement, CEB has agreed to offer through its Distribution System, and _____ *[Insert Project Owner name]* has agreed to avail itself of the distribution service in relation to the Facility.

NOW THEREFORE in consideration of the foregoing, and of the mutual covenants, agreements, terms and conditions herein contained, the Parties, intending to be legally bound, hereby agree as follows:

1. Definitions

- 1.1. Words and phrases contained in this Agreement (whether capitalized or not) that are not defined in this Agreement have the meanings given to them in the Electricity Act, the Central Electricity Board Act, the Utility Regulatory Authority Act, the Interpretation and General Clauses Act, Electricity Regulations, the Code, and relevant regulations including subsequent amendments.
- 1.2. "MSDG", as described in the CEB MSDG Grid Codes, stands for Medium-Scale Distributed Generation.
- 1.3. "Grid Integration" refers to the continuous management by the CEB of the influence of the Facility on the grid.
- 1.4. "Gross metering" is the process of measuring and recording total energy exported to the CEB grid by the Facility; thereafter, the total quantity of energy exported, which is valued at the applicable tariff, is credited to the Project Owner's account.
- 1.5. "RE" stands for Renewable Energy.
- 1.6. "COD", which stands for commercial operation date, is the date of the Certificate for Commercial Operation issued by CEB for the Facility.

2. Management and Control of the Facility

- 2.1. The Parties have agreed that as from the commissioning date of the Facility, the Project Owner shall be the sole entity responsible for the operation and maintenance of the Facility.
- 2.2. Prior to signing this Agreement, the Project Owner shall make all necessary arrangements to take over all responsibilities from any third party in respect of the operation of the Facility, as applicable.

3. Description of the Facility

3.1. The Facility is a Medium-Scale Distributed Generator (MSDG) hybrid solar photovoltaic system of _____ *[Insert hybrid solar PV capacity as informed by CEB]* **kilowatt (kW)** installed capacity, initially registered under the electricity Contract Account bearing number _____ *[Insert Contract Account number, as on electricity bill]* and now under the MSDG Contract Account bearing number _____ *[Leave blank]*. The Facility comprises, among others, the following:

Equipment	Make/Model	Rating (kW)	Quantity	Total
Solar Photovoltaic Modules				(MW)
*Inverter				(MW)
**Battery Energy Storage System (BESS)				(MW)
				(MWh)

[Fill in the above table for solar PV modules, inverters and BESS]

* The total AC power output of the MSDG installation has a total rated capacity of / will be capped at _____ **kW** *[Leave blank]*, and same shall not be altered under any circumstances.

** The Facility shall be equipped with a minimum battery energy storage capacity of at least four hours at half capacity of the AC power output of the Facility.

3.2. More details on the Facility are given in the **Annex 1** of this Agreement.

4. Standards of the Facility

4.1. The Project Owner shall ensure that the Facility meets all applicable requirements of the Electricity Act, the Code, the CEB Act and the prevailing Electricity Regulations.

4.2. The Project Owner shall ensure that the Facility is installed, constructed, operated and maintained in conformity with this Agreement, the CEB’s offer to connect and the Certificate of Compliance, and meets the technical and operating requirements described in the Code.

5. Incorporation of the Code and Application of Conditions of Service and Other Contracts

5.1. The Code is hereby incorporated in its entirety by reference to, and forms part of, this Agreement. Unless the context otherwise requires, all references to this Agreement include a reference to the Code.

5.2. The Parties hereby agrees to be bound by and at all times to comply with the Code, and the Project Owner acknowledges and agrees that the Parties are bound at all times to comply with the Code in addition to complying with the provisions of this Agreement.

- 5.3. In addition to this Agreement, whenever applicable, the relationship between CEB and the Project Owner will be governed by the Code, CEB's Conditions of Service, Electricity Act, Electricity Regulations, and relevant regulations that have been and shall be decreed.
- 5.4. In the event of a conflict or an inconsistency between a provision of this Agreement and a provision of the CEB's Conditions of Service, the provision of this Agreement shall govern.
- 5.5. The **Specific Terms and Conditions of the CAV II Scheme**, detailed in the **Annex 2** of this Agreement, forms part of this Agreement.

6. Tariff, Charges, Billing and Settlement

- 6.1 The energy import tariff, which may be amended / restructured under relevant legislation(s), as and when required, applicable on a monthly basis to the Project Owner's main electricity contract account linked to the Facility, is as defined in the Electricity Tariff Schedule given in **Annex 3**.
- 6.2 Under the terms and conditions of this Agreement, as from the COD, all energy (kWh) generated by the Facility shall be exported to the CEB grid.
- 6.3 For the purpose of invoicing, billing and payment, a Time-of-Export (ToE) meter, which may also meter energy import, shall be installed to meter energy export during different time periods.
- 6.4 Except where total daily energy production is stored in battery for export to the CEB grid, net-energy exported, as metered by CEB's ToE meter, **shall be purchased at a rate of Rs 5.00 per kWh during hours of sunlight and at a rate Rs 6.21 per kWh during hours of darkness**. Under this Agreement, the hours of sunlight and darkness shall be as per the table below.

Month	Hours of Sunlight	Hours of Darkness
October to December and January to March	[To be filled upon agreement by the Parties]	[To be filled upon agreement by the Parties]
April to September	[To be filled upon agreement by the Parties]	[To be filled upon agreement by the Parties]

- 6.5 Where total daily energy production is stored in battery for export to the CEB grid, **monthly net-energy exported, as metered by CEB's ToE meter minus total deemed energy credited for the month, shall be purchased at a rate of Rs 6.21 per kWh pursuant to the Guaranteed Export Profile as stipulated in Part 2 of Annex 4**.
- 6.6 In the event that CEB fails to dispatch all energy from the Facility, as the case would warrant, the following shall be exercised: -
 - 6.6.1 Except for situation where the Facility would be unavailable, based on energy produced, during defined Hours of Sunlight, but not exported/dispatched, all units of energy not exported, calculated on the basis of export profile of the previous day, shall be qualified as deemed energy payable at the agreed applicable rate of Rs 5.00 per kWh.

6.6.2 Except for situation where the Facility would be unavailable, based on the State-of-Charge (SoC) of the battery (total quantity of energy dispatchable determined at time of commissioning of the Facility), all units of energy available but not exported/dispatched shall be qualified as deemed energy payable at the agreed applicable rate of Rs 6.21 per kWh.

6.7 The above fixed rates shall be valid for the whole duration of the Agreement, provided that agricultural activity is being maintained during the whole period of the Agreement.

6.8 Where applicable, for the purpose of invoicing and billing of the CEB's electricity services and the Gross-metering principle underlying the CAV II Scheme, under which the Facility will be accommodated in the CEB grid, the electricity consumption of the Project Owner's under its main contract account located at

[Insert site address], Republic of Mauritius shall be calculated by the formula below.

$$C = P + I - E$$

Where,

C is the total monthly electricity (kWh) consumption;

P is the total energy (kWh) production by the Facility;

I is the total energy (kWh) imported from CEB grid; and

E is the total energy (kWh) exported to CEB grid.

6.9 Any energy supply to the grid prior to the COD shall be considered as free energy.

6.10 The total amount (Rs) of the energy exported shall be used first (*if applicable*) to net off charges raised by CEB for its electricity services to the Project Owner's premises located at _____

[Insert site address] and the remaining amount (Rs) will be credited in the Project Owner Bank Account Number _____ (*Insert number*) at the _____ (*Insert bank name*) within 60 days after the submission of the VAT invoice by the Project Owner.

6.11 All related charges (*if ever applicable*), which include rental of meter, telecommunication, connection and disconnection of electricity supply and the Facility, as determined by the CEB, shall be at the cost of the Project Owner.

6.12 Other electricity consumption related charges (Demand Charge, Minimum Charge, Security Deposit, TV licence, etc.), as would be applicable to the Project Owner's electricity contract account, embedded in the existing Electricity Tariff, as defined in the **Annex 3**, shall be billed in accordance with the CEB prevailing billing principles, which may be changed, as and when required, and communicated by way of General Notice.

6.13 Billing and settlement processes, unless otherwise specified, shall be in accordance with the provisions / procedures set out in prevailing related legislation and CEB's regulations and thereafter, as may be subsequently amended from time to time.

6.14 The Project Owner shall ensure that payments of all payable charges are made within given due dates to avoid disconnection of the Facility, including the electricity supply to the premises, from the grid.

- 6.15** In case of default, failing to remedy after a period of cure of not more than 60 days, which is subject to change, as and when required, the Project Owner electricity contract account will be permanently closed, entailing the cancellation of the present Connection and Energy Purchase Agreement.
- 6.16** Any settlement of payment, if applicable, will be made within a period of 30 days as from the date of receipt of a signed VAT invoice, if applicable, except for situation of dispute or force majeure.

7. Metering

- 7.1** The Facility shall be equipped with meters (time-of-export, production and/or import-export), as applicable, to measure effectively power and energy flow from and to the Facility.
- 7.2** The meters will be supplied by CEB who will keep full administrative and technical control on and of the meters and their associated metering equipment.
- 7.3** The meters, which will be programmed and installed by CEB, shall be used for registering, monitoring and billing, as applicable, of the power generation output, electricity import and electricity export by and from the Facility.
- 7.4** The power generation output of the Facility shall be measured by the production meter and also via the Inverters.
- 7.5** The Project Owner shall at all times ensure that the meters are fully accessible to CEB and/or its associates and are properly secured on its premises.
- 7.6** All related costs for metering shall be borne by the Project Owner.

8. Access to Information

- 8.1** All information recorded by the Inverter, including the power generation output of the Facility, and the battery management system, shall be read through the internet using a web link that the Project Owner has agreed to provide to CEB upon the commissioning of the Facility.
- 8.2** The Project Owner also commits to providing CEB with a free copy of the operating software and application(s) including updates for the data downloading from the Facility.
- 8.3** If required, CEB may validate the power generation output recorded by the Inverter of the Facility with the meter readings of the CEB's production meter.
- 8.4** Where necessary, as and when required, the Project Owner shall give full access to the CEB for downloading data series directly from the Inverter of the Facility.
- 8.5** If required by CEB, the Project Owner shall also unconditionally provide CEB access to related web tools, webpages and databases of the Facility.
- 8.6** The Project Owner undertakes to provide CEB with all necessary information, which would include, among others, facts, figures and readings of the Facility.
- 8.7** The Parties agree that no third party should hold access to the web tools, webpages and databases of the Facility.

9. Representations and Warranties

9.1. The Project Owner represents and warrants to CEB as follows and acknowledges that the CEB is relying on the following representations and warranties without independent inquiry in entering into this Agreement: -

- (a) The Facility is as described in **Section 3** above;
- (b) It has read and taken full cognizance of all information relating to the Scheme and all information submitted by the Project Owner is true and correct;
- (c) The Facility is in compliance with all applicable technical requirements and laws, including safety rules as provided in CEB's safety manual;
- (d) That the Project Owner's associates, employees and/or contractors, as and when applicable, at all times have complied and shall comply with CEB prevailing safety procedures (including in relation to clearing, switching, isolation, testing, earthing and work permits) applicable to CEB's system, substations, premises, facilities and other equipment as may be notified to the Project Owner by CEB from time to time;
- (e) The Project Owner has been given warranty information and operation manuals for the Facility, as applicable;
- (f) The Project Owner's responsible technical personnel has been adequately instructed in the operation and maintenance of the Facility and the Project Owner has developed and implemented an operation and maintenance plan based on those instructions;
- (g) The Project Owner's resources including but not limited to, its personnel, agents, partners, representatives and subcontractors, as may be deployed from time to time for the fulfilment of the Project Owner's obligations in terms of the present Agreement, possess the relevant professional adequacy, know-how and expertise;
- (h) The Project Owner's delegated officer has all necessary power, authority and capacity to enter into this Agreement and to perform the Project Owner's obligations under this Agreement;
- (i) The Project Owner is acting on its own account, and its decision to enter into this Agreement is based on its own judgement, not in reliance upon the advice or recommendations of the other Party and it is capable of assessing its merits and understanding, and understands and accepts the terms, conditions and risks of this Agreement;
- (j) The Project Owner has not relied on any promises, representations, statements or information of any kind that are not contained in this Agreement in deciding to enter into this Agreement;
- (k) This Agreement is legally binding on and enforceable against the Project Owner in accordance with its terms;
- (l) The Project Owner holds all permits, licences and other authorizations that may be necessary to enable it to engage in the construction of the Facility;
- (m) During the term of this Agreement, as may be from time to time extended, the Project Owner shall not dispose of the whole or any part of its rights over the Facility, whether proprietary or otherwise, in any manner whatsoever, without the prior consent in writing of CEB; and
- (n) Any individual signing this Agreement on behalf of the Project Owner has been duly authorized by the Project Owner to sign this Agreement and has the full power and authority to bind the Project Owner.

- 9.2.** CEB represents and warrants to the Project Owner as follows and acknowledges that the Project Owner is relying on the following representations and warranties without independent inquiry in entering into this Agreement: -
- (a) CEB's resources including but not limited to, its personnel, agents, partners, representatives and subcontractors, as may be deployed from time to time for the fulfilment of CEB's obligations in terms of the present Agreement, possess the relevant professional adequacy, know-how and expertise;
 - (b) CEB is duly incorporated under the laws of the Republic of Mauritius;
 - (c) CEB has all necessary power, authority and capacity to enter into this Agreement and to perform its obligations under this Agreement;
 - (d) this Agreement is legally binding on and enforceable against CEB in accordance with its terms; and
 - (e) any individual signing this Agreement on behalf of CEB has been duly authorized by CEB to sign this Agreement and has the full power and authority to bind CEB.

10. Interconnection, Operation and Monitoring of the Facility

- 10.1.** The Facility shall be constructed, installed, operated and maintained in compliance with the Code.
- 10.1.1** In addition, the operation of the Facility shall strictly be in accordance with the **Facility Guaranteed Operation Characteristics** elaborated in **Annex 4**.
- 10.2.** Operation of the Facility shall abide by the Operation Procedure provided by the Installer or Contractor. The Operation Procedure should be mandatorily affixed on the Project Owner's side of the Distribution System.
- 10.3.** The Facility shall be accessible at all times, located for ease of access to CEB's personnel, and shall be capable of being locked in the open position, as defined in the Code.
- 10.4.** CEB shall be free to disconnect the Facility from the Distribution System should the Facility affect the operation of the Distribution System.
- 10.5.** The Project Owner shall follow the CEB's procedures for switching, clearance, tagging, and locking of the Facility.
- 10.6.** The Project Owner shall delegate a representative who shall provide assistance to CEB in respect of the Facility whenever requested by CEB.
- 10.7.** Electrical charging of the Facility's BESS from the CEB grid is not allowed.
- 10.8.** The Project Owner delegated representative shall also be responsible for reporting promptly security issues to CEB and to the Project Owner regarding the Facility. All security issues shall be recorded in a logbook.

11. Modification to the Facility

- 11.1** The Project Owner shall not make, without CEB's prior consent, any modification or addition to the Facility, which includes modification of connection assets, except where the modification will not increase the maximum electrical output of the Facility. In such case, the Project Owner shall give the CEB no less than 15 working days prior notice before the modification is made.
- 11.2** Where the modification will increase the maximum electrical output of the Facility, the Project Owner shall submit a new application for connection. CEB reserves the right to accept or reject the application.
- 11.3** If the new application is admissible, CEB shall process the application for connection in accordance with **Section 5** of this Agreement, the prevailing or other relevant Schemes, if any, and other conditions that will be in force at the time of the new application.
- 11.4** The Project Owner shall not commence any modification until all necessary procedures have been duly completed.

12. Indemnity

- 12.1** In relation to the Facility, the Project Owner shall indemnify CEB for damages claimed by third parties where the cause of the loss or damage is due to acts and/or omissions of the Project Owner or its representative or any of its associates.
- 12.2** In relation to the Facility, CEB shall indemnify the Project Owner for damages claimed by third parties where the cause of the loss or damage is due to acts and/or omissions of CEB or its representative or any of its associates.

13. Liability

- 13.1** Each Party shall have a duty to mitigate any losses relating to any claim for indemnification from the other Party that may be made in relation to that other Party. Nothing in this section shall require the mitigating Party to mitigate or alleviate the effects of any strike, lockout, restrictive work practice or other labour dispute.
- 13.2** Each Party shall give prompt notice to the other Party of any claim with respect to which indemnification is being or may be sought under this Agreement.
- 13.3** Neither Party shall be liable to each other for any damage caused during cyclonic/surge/lightning or any other adverse conditions beyond its control which may prevail during the installation and operation of the Facility.
- 13.4** The Project Owner shall at all times be responsible for the meters and associated equipment in accordance with the Electricity Regulations and has a duty to keep the meter and its associated equipment in proper order, failing which the Project Owner shall be liable for any tampering and/or other damages or associated costs which may ensue.

13.5 Where tampering is detected, all CEB's obligations, under this Agreement, would be suspended, except for accepting energy injection to its network at zero cost. The party responsible for any tampering shall bear all liabilities, as shall be determined by CEB, thereof and promptly initiate and execute remedial action(s).

14. Access to the Facility

14.1. Each Party shall ensure that its respective facilities are secured at all times.

14.2. The Project Owner shall permit and, if the place on which the Facility is located is not owned by the Project Owner, cause such landlord/owner/management agent to permit the CEB's employees and agents to enter the site on which the Facility is located at any reasonable time.

14.3. Such access shall be provided for the purposes of inspecting and/or testing the Facility as and when permitted by this Agreement, the Code or the CEB's Conditions of Service or as required to ensure the continued safe and satisfactory operation of the Facility, to ensure the accuracy of the CEB's meters, to establish work protection, or to perform work.

14.4. CEB shall have access to and be at liberty to remove, test, inspect and replace its meter(s) at all reasonable times. In case of damage to the meter(s), the Project Owner shall be held liable to refund the cost of damaged meter(s) and pay the full cost of new meter(s) including the installation cost.

14.5. Any inspecting and/or testing referred to in **Subsection 14.2** shall not relieve the Project Owner from its obligation to operate and maintain the Facility and any related equipment owned by the Project Owner in a safe and satisfactory operating condition and in accordance with this Agreement.

14.6. Any access and intervention by CEB, its personnel and/or respective representatives in terms of the present Agreement shall be proceeded with all due diligence and care and as expeditiously as possible. CEB shall not, in proceeding as aforesaid, unduly or unreasonably interfere with the conduct of any activities and business lawfully carried on the Project Owner's premises

15. Disconnection of the Facility to Permit Maintenance and Repairs

15.1. To the extent possible and practicable, CEB will inform the Project Owner of any planned power outage in the Distribution System which may impact on the Facility or its connection.

15.2. CEB will make reasonable efforts to ensure that the outage referred to in **Subsection 15.1** will be of minimal duration and cause minimal inconvenience.

15.3. In connection with any planned power outage, either Party shall be free to disconnect or isolate, or require the disconnection or isolation of the Facility or system to allow its employees, contractors or agents to construct, maintain, repair, replace, remove, investigate or inspect the Facility in accordance with the terms of this Agreement and good utility practices.

- 15.4.** Where practical, prior to temporarily isolating or disconnecting the Facility from the Distribution System, the Project Owner shall give CEB a prior notification.

16. Dispute Resolution

- 16.1.** If any dispute of whatever nature in relation to this Agreement arises between the Project Owner and CEB and so notified in writing by either Party to the other party, shall, in the first instance, be attempted for an amicable resolution.
- 16.2.** If a dispute cannot be resolved pursuant to **Subsection 16.1**, either Party may require such dispute to be referred to an expert, having competence in the dispute field, agreed by both Parties for amicable settlement.
- 16.3.** Any dispute which is not resolved amicably shall be finally decided by reference to the Utility Regulatory Authority, which is the sole authority to determine any disputes, in accordance with prevailing legislations.
- 16.4.** This Agreement and the rights and obligations of the Parties shall remain in full force and effect, pending the award in the arbitration proceedings.
- 16.5.** The Parties agree that this Agreement shall be governed by the laws of Mauritius and that any dispute, controversy or claim arising in respect thereof shall be resolved amicably between the authorized representatives of both Parties within a mutually agreed period of time.
- 16.6.** At all times, the Parties agree to use their best efforts for resolving all disputes arising in respect of this agreement promptly, equitably and in good faith, and further agree to provide each other with reasonable access during normal business hours to non-privileged record, information and data pertaining to any such disputes.

17. Amendments

- 17.1.** The Parties may by mutual agreement amend this Agreement to reflect changes that may occur during the term of this Agreement.
- 17.2.** Any amendment to this Agreement shall be made in writing and duly executed by both Parties.
- 17.3.** In the event the Project Owner wishes to transfer the Facility to another party during the lifetime of this Agreement, the other party shall undertake the necessary procedures to transfer the electricity contract account and the MSDG installation onto his/her/its name.
- 17.4.** Pursuant to the **Subsection 17.3**, the other party (the future Project Owner) of the Facility shall fulfil all required procedures and shall sign an addendum to the Connection and Energy Purchase Agreement, which will last only for the remaining number of years.
- 17.5.** In the event the Project Owner intends to sell the Facility, along with his/her/its premises to another party, during the lifetime of this Agreement, he/she/it shall seek the prior written consent of the CEB.

17.6. The new owner of the Facility, after having completed all necessary procedures and opened a new electricity contract account in his/her name, shall sign the addendum to the Connection and Energy Purchase Agreement, which will include the terms and conditions of the most appropriate scheme available at that point in time. The new Connection and Energy Purchase Agreement will have a duration not exceeding the remaining number of years of the initial Connection and Energy Purchase Agreement.

18. Terms of Agreement and Termination

18.1. This Agreement shall become null and void if all terms and conditions, as required by the CEB's Conditions of Service, **Annex 2** of this Agreement, MSDG Grid Code, Electricity Act, Electricity Regulations and **Section 20**, are not duly met.

18.2. Except for uncontrollable/unforeseen events, the Project Owner commits to completing the construction of the Facility within a period of _____ ^[Leave blank], months for as from the date of signing of the Connection and Energy Purchase Agreement. The deadline may be extended subject to submission of reasonable justification supported by documentary evidence

18.3. This Agreement shall become effective as from the COD subject to the fulfilment of the **Section 20** of this Agreement and shall continue in effect for a period of **twenty years** as from the date of the COD, unless terminated in accordance with **Subsections 18.5 or 18.6**.

18.4. This Agreement may be extended for a period to be mutually agreed by the Parties provided a notice of extension by either Party is issued before the expiry of the Agreement or, by mutual covenant, any other times deemed appropriate.

18.5. CEB may terminate this Agreement upon any material breach of this Agreement by the Project Owner (the "**Project Owner's Default**"); if the Project Owner fails to remedy the Project Owner's Default within the applicable cure period referred to in **Subsection 18.7** after receipt of a written notice of the Project Owner's Default and the intended termination from CEB.

18.5.1 The Parties to this Agreement acknowledge and agree that any breach of the representations and warranties, as sets out at **Subsection 9.1** of this Agreement, by the Project Owner shall render this Agreement null and void to all intents and purposes.

18.6. The Project Owner may terminate this Agreement upon any material breach of this Agreement by CEB (a "**CEB Default**"); if CEB fails to remedy the CEB Default within the applicable cure period referred to in **Subsection 18.7** after receipt of a written notice of the CEB Default and intended termination from the Project Owner.

18.6.1 The Parties to this Agreement acknowledge and agree that any breach of the representations and warranties, as set out at **Subsection 9.2** of this Agreement, by the CEB shall render this Agreement null and void to all intents and purposes.

- 18.7.** The relevant Party shall cure a default within a reasonable period of time, which shall not be longer than ninety working days, except for force majeure.
- 18.8.** Termination of this Agreement for any reason shall not affect the liabilities of either Party that were incurred or arose under this Agreement prior to the time of termination or that expressly applies in relation to the disconnection of the Facility following termination of this Agreement.
- 18.9.** Subject to **Section 16** above, termination of this Agreement for any reason shall be without prejudice to the right of the terminating Party to pursue all legal and equitable remedies that may be available to it, including injunctive relief.
- 18.10.** The rights and remedies set out in this Agreement are not intended to be exclusive but rather are cumulative and are in addition to any other right or remedy otherwise available to a Party at law or in equity.
- 18.11.** **Subsections 18.7 to 18.9** shall survive termination of this Agreement.

19. Governing Law

- 19.1** This Agreement shall at all times be construed, governed and interpreted in accordance with the prevailing laws in the Republic of Mauritius.

20. Entire Agreement

- 20.1** Except as expressly provided herein, this Agreement constitutes the entire agreement between the Parties with respect to the subject-matter hereof and supersedes all prior oral or written representations and agreements of any kind whatsoever with respect to the subject-matter hereof.

21. Conditions Precedent for Effectiveness of the Agreement

- 21.1** As may be required by laws and regulations, the Project Owner has obtained all relevant and related licence(s), permits and authorization(s) for the Facility.
- 21.2** The Project Owner has executed all recommendations of the Network Impact Assessment (NIA) carried out by CEB and has made all payments requested by CEB in relation to the grid interconnection of the Facility.
- 21.3** The Project Owner has submitted the duly signed proof of order and implementation schedule prior to the start of the construction of the Facility.
- 21.4** The Project Owner has issued the Certificate of Installation and has obtained the Certificate of Compliance for the Facility.
- 21.5** The Project Owner has fulfilled any other relevant conditions, including those required under this Agreement, to the satisfaction of CEB.

22. Notices

- 22.1** The Project Owner shall communicate officially the name and provide the contact details of its delegated representative prior to the signing of the

Agreement. The Project Owner shall promptly inform CEB of change of representative, if any.

22.2 Any notice or other communication to be given by any Party to the other Party under or in connection with the matters contemplated under this Agreement shall be in writing and shall:

(a) in the case of the Project Owner, be given by facsimile or electronic mail and by letter delivered to the address given below and marked for the attention of the persons set out below or to such other person(s) as the Project Owner may from time to time designate by notice to CEB;

_____	_____
_____	_____
_____	_____
Republic of Mauritius	Republic of Mauritius
Mobile: _____	Mobile: _____
Email : _____	Email : _____

[Fill in the above, the name of the Project Owner (PO), designation of the PO's contact persons, office/postal address of PO, mobile phone number and email address of the PO's contact persons]

(b) in the case of CEB, be given by facsimile or electronic mail and by letter delivered to the address given below and marked for attention of the persons set out below or to such other person(s) as CEB may from time to time designate by notice to the Project Owner.

General Manager

Central Electricity Board
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22.3 Any notice or communication by a Party to the other Party, given in accordance herewith, shall be deemed to have been and shall be deemed properly given upon date of receipt if delivered by hand or sent by courier, if mailed by registered or certified mail at the time of posting, if sent by fax when dispatched (provided if the sender's transmission report shows the entire fax to have been received by the recipient and only if the transmission was received in legible form).

22.4 The Project Owner shall notify CEB of the identities and contact details of its responsible officers, who shall be responsible for general communications and contract management.

IN WITNESS WHEREOF, the Parties hereto, intending to be legally bound, have caused this Agreement to be executed in two originals by their duly authorized representatives as of the day and year written below.

[Insert Project Owner Name]

Duly Authorized Representative

Title: **Mr./Mrs./Miss/Ms.**

Name: _____ *[Insert name of the authorized signatory]*

NIC No.: _____ *[Insert NIC number of the authorized signatory]*

Designation: _____ *[Insert designation of the authorized signatory]*

VAT Number: _____

BRN: _____

Duly Authorized Representative Signature: _____

Date: _____

Seal:

CEB Duly Authorized Representatives

Title: **Mr.**

Name: _____

NIC No.: _____

Designation: **General Manager**

CEB VAT Number: **22000591**

CEB BRN: **F07000041**

CEB duly Authorized Representative Signature: _____

Date: _____

CEB Seal:

Witnessed by

Title: **Mr./Mrs./Miss/Ms.**

Name: _____

NIC No.: _____

Designation: _____

CEB VAT Number: **22000591**

CEB BRN: **F07000041**

CEB duly Authorized Representative Signature: _____

Date: _____

CEB Seal:

Annex 1: Detailed Description of the Facility

Information on the characteristics of the main components of the Facility is as follows:

Solar PV Panels of the Facility

The Facility will comprise of the following solar PV panels:

Equipment	Make/Model	Rating (W)	Quantity
Solar Photovoltaic Modules			

[Fill in above table for solar PV modules]

PV Inverters of the Facility

The Facility will comprise of the following inverters:

Make	
Model	
Rated Apparent Power/kW	
Number of inverters	
Power factor at rated power	
Grid Forming Capability (Yes/No)	

[Fill in above table for PV inverters]

Interconnection Transformer

Make	
Model	
Rated voltage (HV/LV)	
Rated Power (MVA rating)	
Normal ratio of transformation at no load	
Vector Group	
% Voltage Impedance	
No. of Taps	
Size of steps for tap (%)	

[Fill in above table for Interconnection Transformer]

Battery Energy Storage Facility (BESS)

Note: Except for Nos. 1, 2, and 24, other information can be filled upon procurement of the BESS, unless it is already available.

Nos.	Particulars	Unit
1	Maximum Rated Capacity	kW
2	Stored Energy Capacity	MWh
3	Response time of BESS	ms
4	Number of Cycles at 80% DOD	
5	Number of Cycles at 20% DOD	
6	Roundtrip Efficiency	%
7	Converter Efficiency	%
8	System Efficiency	%
9	Self-Discharge in nominal mode	%
10	Self-Discharge in OFF mode	%
11	Total Harmonic Disturbance	%
12	Black Start Capability (Yes/No)	
13	Power Factor Range	
14	Type of Housing of the BESS	
15	Grid Forming	Yes
16	Battery degradation profile	
17	Minimum State of Health (SoH) warranted by the battery manufacturer	
18	Auxiliary load peak power	
19	Typical energy consumption	
20	Temperature derating of PCS/inverter	
21	Derating of PCS/inverter due to operating at non-unity power factor	
22	Battery chemistry type	
23	Cooling system (air/liquid)	
24	Battery connection (AC coupling or DC coupling)	
25	Grid supporting functionalities (frequency regulation, voltage control, reactive power control, etc.)	Yes

[Fill in above table for Battery Energy Storage Facility]

Grid Forming Inverter of the Facility

The Facility will comprise of the following inverter:

Make	
Model	
Rated Apparent Power /kW	
Number of inverters	
Power factor at rated power	

[Fill in above table for Grid Forming Inverter]

Instrumentation and Control

Sensors shall be used in the Facility for the purpose of measurement, control, and electrical safety.

Location of the Facility

[Insert a site/location plan where the solar PV system will be installed]

Single Line Diagram of the Design of the Facility

[Insert a schematic diagram of the proposed solar PV installation, together with the existing electrical installation and any proposed changes.]

Annex 2: Specific Terms and Conditions of the CEB Agrivoltaics II Scheme

The following are the specific terms and conditions of the CEB CAV II Scheme: -

1. Every eligible project developer, willing to participate in the CAV II Scheme, should fill and submit the relevant Application Form, together with full details of the intended hybrid agrivoltaics project.
2. Only one project per project developer will be considered at the present stage.
3. Upon submission of the duly completed Application Form, the project developer should pay the applicable non-refundable processing fee ([click to view the applicable processing fee](#)) to enable processing of the application. Payment of the processing fee does not guarantee registration in the Scheme.
4. Project developers are free to undertake agricultural activities of their choice, with the objective of contributing to national food security. They are strongly encouraged to seek guidance and knowledge from both public and private entities in the agricultural sector to identify crops and practices that can achieve higher yields under agrivoltaics systems. Information on typical crops suitable for agrivoltaics is available in the Mauritius Agrivoltaics Study, which can be downloaded from <https://sunref.businessmauritius.org/reports/>.
5. A project developer may choose to join or be represented by a cooperative entity in the to develop the hybrid agrivoltaics project. The cooperative entity must be duly registered and officially delegated to act on behalf of the project developer. Submission of an official letter, signed by all relevant parties, confirming the delegation and providing the consent of the project developer(s), is mandatory.
6. The maximum size of a hybrid (solar PV with battery) agrivoltaics project under the Scheme shall be four megawatts (4 MWac). Projects within the range of 500 kWac to 4 MWac will be considered under the Scheme. The final capacity for each intended shall be determined after CEB's Network Impact Assessment (NIA). Project developers shall strictly implement the recommendations based on the outcomes of the NIA.
7. The hybrid agrivoltaics facility shall be equipped with a minimum battery energy storage capacity of four hours at half capacity of the AC power output of the facility. Hence, the battery energy storage system should be designed for dispatching the stored over four hours. The schedule of the battery energy dispatching, which should be flexible, reprogrammable and operate automatically, shall be defined by CEB and agreed by the project developer.
8. In any case, under this Scheme, the maximum stable power output, measured at the Point of Common Coupling, also referred as Point of Delivery (PoD), of a hybrid agrivoltaics facility shall be limited to 50% of the AC installed capacity of the Facility.

9. For technical, administrative, and accounting purposes, the hybrid agrivoltaics project shall be identified by a unique contract account number assigned by the CEB.
10. By applying for the Scheme, the project developer automatically grants CEB's personnel and its associates unrestricted access for site inspections of the hybrid agrivoltaics premises, including the energy generation and export facility.
11. The Scheme will operate under the gross metering principle, whereby all energy produced, after accounting for energy losses and adjustments, is exported to the CEB grid. Projects developers/owners/operators will be allowed to offset from the energy production their energy imported from CEB for the operation of the hybrid agrivoltaics facilities.
12. The project developer should declare the full electrical load on the hybrid agrivoltaics premises.
13. Except for uncontrollable/unforeseen events, the project developer commits to completing the construction of the hybrid agrivoltaics system, as from the date of signing of the agreement, within a period of 12 months for project of capacity not exceeding 2 MWac and 18 months for project above 2 MWac. The deadline may be extended subject to submission of reasonable justification supported by documentary evidence.
14. The project developer must provide a Letter of Commitment (LOC) as evidence of the project's implementation within one month after the CEB has issued the Letter of Intent (LoI).
15. The hybrid agrivoltaics system shall, at all times, comply with all requirements of the relevant applicable Grid Code ([download the Grid Codes](#)), including any subsequent amendments, and the applicable Connection and Energy Purchase Agreement.

Note: For safety and quality reasons, the project developer is strongly advised to seek the expertise of a qualified professional in the field of renewable energy technologies and agrivoltaics prior to filling and submitting the application.
16. The project developer (or its designated representative) shall provide the CEB with free web-link access for downloading the power output of the facility.
17. Where necessary, the project developer (or its designated representative) shall provide unrestricted access to the CEB for downloading data directly from the inverter and/or energy management system of the facility. This includes providing a free copy of the required operating software and applications for on-site and/or off-site data downloading.

- 18.** Upon receiving a notice from the CEB, the project developer (or its designated representative) shall give full and free access to CEB personnel and/or its associate(s) to the facility.
- 19.** The project developer (or its designated representative) shall pay all relevant charges and costs, including the connection fee, as applicable, for the grid connection of the hybrid agrivoltaics system.
- 20.** A hybrid agrivoltaics system that does not comply with the applicable Grid Code or does not meet all terms and conditions of this Scheme, and other regulatory requirements will not be considered for grid interconnection until compliance is achieved. The facility will be disconnected from the grid, and no remuneration shall be provided.
- 21.** The project developer (or its designated representative) must obtain all necessary authorisations, licenses, permits, etc., prior to the commissioning of the facility by CEB.
- 22.** All prerequisites (requirements, omissions, etc.) outlined in the Condition Precedent of the Connection and Energy Purchase Agreement shall be met prior to the commissioning of the facility.
- 23.** Throughout the duration of the Connection and Energy Purchase Agreement, the project developer must provide timely evidence, as and when requested, regarding the status of the agricultural activity of the hybrid agrivoltaics project. Termination of agricultural activity will negatively impact the remuneration for the energy exported from the facility.
- 24.** In the event that the agricultural activity in the agrivoltaics project is ceased during the validity period of the agreed Agreement, the weighted average tariff for energy export shall be reduced by fifty percent (50%). The project owner/developer should inform the CEB of the cessation of the agricultural activity promptly to avoid cancellation of the Agreement.
- 25.** In the event that the battery energy storage system of the facility ceases to operate for whatever reason, all energy export from the facility shall be remunerated at the rate of Rs 5.00 per kWh. In any case, the maximum AC power output shall be limited to 50% of the AC installed capacity of the Facility.
- 26.** Net-energy exported from the hybrid agrivoltaics facilities shall be remunerated at a tariff Rs 6.21 per kWh, provided hundred percent (100%) of the energy production is stored for export, and the rate of energy exported (not stored) will be Rs 5.00 per kWh. Time-of-Export (ToE) meter(s) will be installed for metering energy exported at different time periods daily. The metering data shall be used for invoicing and payment purposes.

- 27.** For a joint hybrid agrivoltaics facility, the cooperative entity should confirm the shares composition of all the project developers, and their respective consents should be officially documented and submitted.
- 28.** In the event of the cessation of agricultural activity by one project owner/developer, the energy export tariff of the latter relevant shares in the facility shall be adjusted downward as deemed necessary and appropriate. The cooperative entity should promptly inform the CEB of any cessation of agricultural activity by a project developer to avoid cancellation of the Connection and Energy Purchase Agreement.
- 29.** Following the network impact assessment or network survey, whichever is warranted, the project developer and its associates must agree to any new terms and conditions for the grid connection of the hybrid agrivoltaics facility.
- 30.** The project developer (or the designated representative) shall implement all recommendations from the network impact assessment or network survey, whichever is applicable, within the specified timelines as notified by the CEB.
- 31.** The project developer (or the designated representative) must submit a Certificate of Compliance confirming the facility's compliance to the applicable Grid Code, the network impact assessment or network survey recommendations, and the terms and conditions of the Scheme.
- 32.** The Certificate of Compliance shall be certified by an independent registered professional engineer, whichever is applicable, after the conduct of all technical and non-technical verifications.
- 33.** The project developer (or the designated representative) shall sign the legally binding Connection and Energy Purchase Agreement prior to develop the facility.
- 34.** By submitting an Application Form for the Scheme, the project developer and his representatives give unconditional authorisation to CEB or its associates, suppliers, contractors, etc., to share the information provided therein. They also agree to be contacted by any of these parties for administrative or non-administrative matters related to the setting up of the hybrid agrivoltaics project, including the facility.
- 35.** Applications received in excess of the allocated capacity for the Scheme will be kept in a waiting list. In case of low uptake, CEB will reallocate the capacity earmarked to other Schemes or projects, as would be deemed more appropriate.
- 36.** The testing and commissioning for the grid connection of the RE projects will be conducted in sequential order based on the state of readiness of the RE projects.
- 37.** The specifications and associated requirements of the MV Switchgear, multifunctional programmable numerical protection relays and associated system shall be sought from the CEB prior to ordering.

38. The key Milestones, listed in the table below, have been set for effective implementation of the Scheme. Projects that do not satisfy the Milestones set will be moved down in CEB's implementation planning of the CAV II Scheme; in case of no expeditious remedial actions, the projects may be put on hold.

Milestone No.	Milestones	Timeline	
	Projects Capacity	500 kW to 2 MW	Above 2 MW
1	Signing of Agreements (Connection or Energy Supply)	Within one month from the date of the letter of intent	
2	Securing Permits	2 months after Milestone 1	4 months after Milestone 1
3	Submit Proof of Order	3 months after Milestone 2	4 months after Milestone 2
4	Construction of projects starts	2 months after Milestone 3	3 months after Milestone 3
5	Commissioning of the hybrid agrivoltaics facility	4 months after Milestone 4	6 months after Milestone 4

39. No extension of time for achieving Milestone No. 2 shall be granted in case of any wrong, incorrect, misleading, or false information, data, reports, or other relevant materials have been submitted to relevant authorities for the purpose of obtaining any required licence, authorization, clearance, or permit, including but not limited to the Building and Land Use Permit (BLUP), Environmental Impact Assessment (EIA) Licence, or Generation Licence.

40. Other terms and conditions shall be specified in the relevant Connection and Energy Purchase Agreement. The key features of the Scheme are inherent part of the Connection and Energy Purchase Agreement. Non-compliance with the Connection and Energy Purchase Agreement will entail automatic rejection of the project under the Scheme.

Annex 3: Electricity Tariff Applicable to Project Owner's Contract Account

- (a) The **Electricity Tariff**, which may be amended by General Notice, as and when required, unless is restructured, redefined and /or reviewed in the future, applicable on a monthly basis to Project Owner's electricity contract account linked to the solar PV system (Facility), shall be the electricity **Tariff** _____^[Leave blank], **defined in the Electricity Tariff Appendices of the General Notice 1804 of 2022.**
- (b) The payable **Minimum Charge**, associated with the Electricity Tariff assigned to the above-mentioned electricity contract account, unless is restructured, redefined and /or reviewed in the future shall be the same as defined in the relevant **Appendix of the General Notice 1804 of 2022 for Tariff** _____^[Leave blank]. The Minimum Charge is payable also in the case of net export of electricity.

Annex 4: Facility Guaranteed Operation Characteristics

Part 1: Guaranteed Operating Characteristics

1. The **Maximum Capacity** of the Facility shall be _____ ^[Leave blank] MW_{ac} at the Point of Common Coupling (PCC).

2. **Surge Withstand Capability**

The interconnection system shall have a surge withstand capability, both oscillatory and fast transient, in accordance with relevant IEC 62305-3, IEC 61000 and IEC 61643 standards. The design of control systems shall meet or exceed the surge withstand capability requirements of IEEE C37.90.

3. **Grid Forming Capabilities**

The Facility shall be designed with Grid Forming (GFM) control and capable of operating in GFM mode supporting system operation under normal and emergency conditions without relying on the characteristics of synchronous machines.

While in GFM mode, the inverters of the Facility shall support grid operation as a continuous AC voltage source during normal and transient conditions (as long as no limits are reached within the inverter) and the ability to synchronise to other voltage sources and operate autonomously if a grid reference is unavailable and shall be able to share active and reactive power burden with other voltage sources without impacts on system stability.

The Facility shall operate in GFM mode unless otherwise instructed by the CEB System Operator. The GFM controls shall include the following functions and characteristics:

- a) Allow the Facility to operate in a stable manner on low system strength grids (e.g. low short circuit ratio, low inertia, inertia-less system, etc.).
- b) Set an internal voltage waveform reference and is able to synchronize with the grid or operate independently of other generation.
- c) Respond to system condition changes (i.e. frequency change and voltage change) by contributing towards subsequent recovery of system frequency and voltage to the pre-disturbance value.
- d) Provide damping control function which damps oscillation within the interconnection and other adverse interactions among the GFM and the Grid

Following inverter-based systems and other power electronic devices on the Grid.

- e) Upon the loss of the last synchronous machine in the power system, GFM shall have the ability to operate autonomously if a grid reference is unavailable and be able to share active and reactive power burden with other voltage sources without impact on system stability.
- f) Able to transition from an electrical island to a grid-connect configuration without an impact on the system stability.

The Project Owner shall provide information to CEB regarding the control design, capabilities, characteristics, etc., of the GFM control of the Facility for CEB's review and approval.

The GFM control block diagram shall be submitted to CEB for review. The design shall be approved by CEB and implemented by the Project Owner prior to control system testing. The design shall include initial settings for tunable control parameters based on modelling.

The initial control parameters may be modified by the Project Owner upon CEB's request based on field data and performance, subsequent system resource changes, etc. to achieve acceptable system stability.

Part 2: Guaranteed Export Profile *[To delete Figure that is not applicable to proposed project]*

The guaranteed export profile of the Facility shall be as follows:

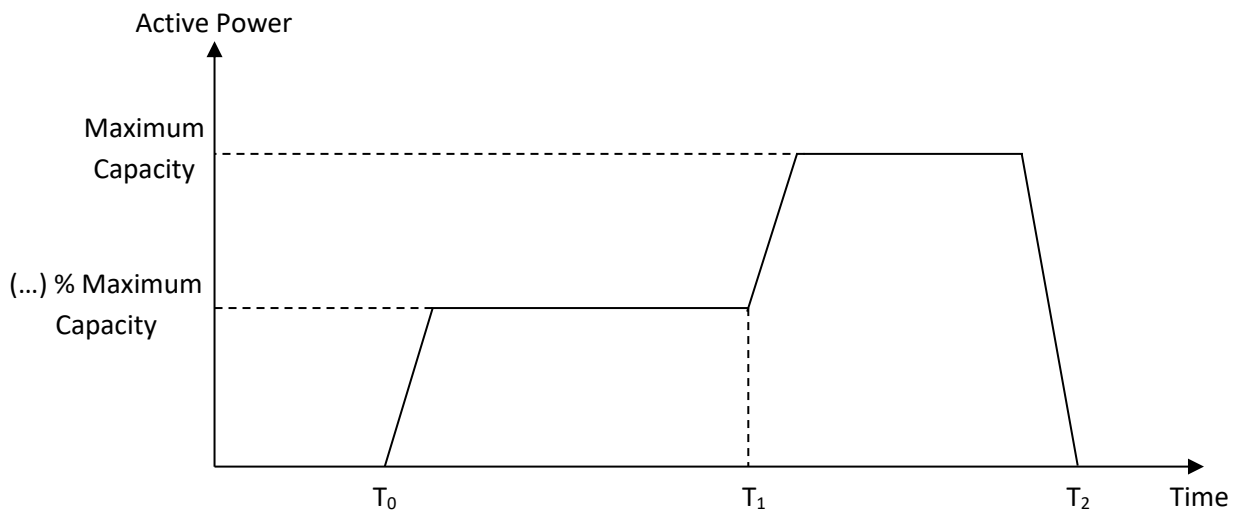


Figure 1: Guaranteed Export Profile (less than 100% export from energy stored)

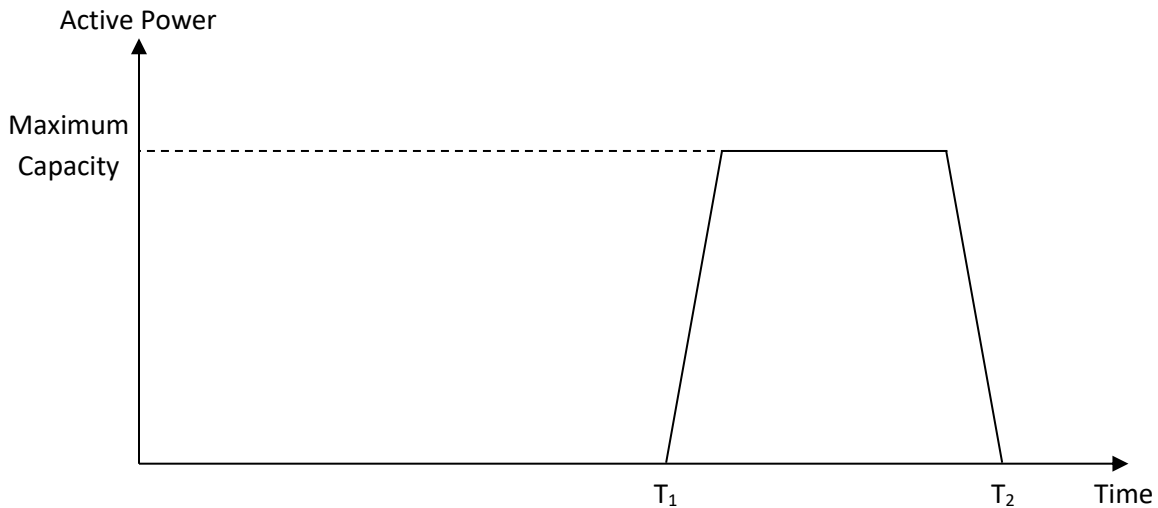


Figure 2: Guaranteed Export Profile (100% export from energy stored)

- a) The value T_0 shall be agreed with the CEB prior to the commissioning of the Facility on the CEB system.
- b) The value T_1 shall vary between 5 pm to 7 pm and the value T_2 shall vary between 9 pm to 11 pm. The exact setting of T_1 and T_2 shall be provided by the CEB prior to the commissioning of the Facility on the CEB system.
- c) If the values T_0 , T_1 and T_2 are to be changed by CEB to maintain the stability or security of the CEB System, the Project Owner shall update those parameters in response to the new values within 24 hours unless otherwise instructed by the CEB from receipt of an order to change those parameters.

Part 3: Tolerance to Frequency Variations

1. The Facility shall remain connected to the CEB System at System Frequencies within the range 47 Hz to 52.0 Hz.
2. The Facility shall remain connected to the CEB System during a rate of change of system frequency of values up to and including 2.5 Hz per second measured as a rolling average over 500 ms.
3. No additional inverters shall be synchronized while the CEB System Frequency is 50.5 Hz or above.

Part 4: Tolerance to Voltage Requirements

1. The Facility shall remain continuously connected to the CEB System at their maximum available active power or curtailed active power output for normal system disturbance conditions when voltage is within prescribed range (for example: 22 kV - 10% to + 10%).

- Each Inverter of the Facility shall avoid introducing undue resonance leading to over voltage at grid connection point.

Part 5: Frequency Requirements

In addition to **Section 4.2 of the relevant MSDG Grid Code**, the following additional requirements shall be implemented:

- A different frequency response curve, within the capability limit of the facility inverter, may be required by the CEB, to ensure CEB System reliability and security. In such case, the Project Owner shall implement the new settings within two weeks from an official request made by CEB.
- The reaction time of the Facility to an over-frequency event occurring outside the frequency deadband shall not be more than 200 ms.
- The Facility shall be fitted with a fast-acting proportional active power control system or equivalent control device to provide frequency regulation as illustrated in **Figure 3** below. The Facility shall at all times maintain MW reserve capacity equivalent to at least 20% of its prevailing MW output for a duration of at least 15 minutes (energy stored in MWh) for frequency regulation.
- The reaction time of the Facility to an under-frequency event occurring outside the frequency deadband, shall not be more than 200 ms. It is the time taken for the Facility to reach the required Active power output following an under-frequency event.
- The Active Power Frequency Control of the Facility shall be as shown in **Figure 3** below.

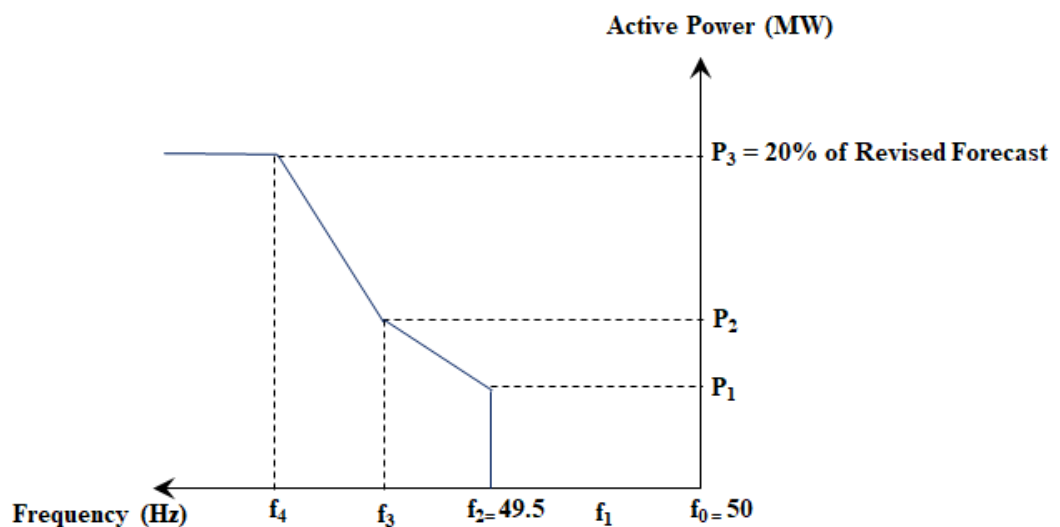


Figure 3: Frequency Regulation (P vs f)

- a) No response of the Facility is required within the frequency range of f_0 to f_2 , referred to as the frequency dead band.
- b) The Facility shall maintain the required Active power output for at least 15 minutes during a frequency response.
- c) The Active power output shall gradually be reduced to the Revised Forecast capacity of the day only when the system frequency reach f_1 at a ramp to be agreed with the CEB, prior to the commissioning of the Facility on the CEB System.
- d) The values f_2 , f_3 , f_4 , P_1 and P_2 will be provided by the CEB prior to the commissioning of the Facility on the CEB system.
- e) If f_1 , f_2 , f_3 , f_4 , P_1 and P_2 , is to be changed by CEB to maintain the stability or security of the CEB System, the Project Owner shall update those parameters in response to the new values within 24 hours unless otherwise instructed by the CEB from receipt of an order to change those parameters.
- f) In addition to the above, the active power-frequency control system shall also have adjustable proportional droop characteristic. The droop setting shall permit a setting from 0.1% to 10%. This setting shall be changed upon CEB's request, within 30 minutes unless otherwise instructed by the CEB, as necessary for grid droop response coordination. The droop setting shall be tunable and may be specified during commissioning.

Part 6: Reactive Power Capability

The Facility shall be designed to supply power (MW_{AC}) for power factors ranging between 0.9 lagging and 0.9 leading, measured at the PCC. The resulting Reactive Power requirement shall be available from 20% of the Maximum Capacity of the Facility at the PCC.

Part 7: Active Power Constraint Functions (Curtailment)

For system security reasons, it may be necessary for the CEB to curtail the Facility Active Power output. The Facility shall thus be capable of:

- (a) operating at a reduced level if active power has been curtailed by CEB for system security reasons; and
- (b) receiving a MW curtailment set-point sent from CEB.

The Facility shall be equipped with constraint functions, i.e. supplementary active power control functions. Activation of the Active Power Constraint Functions shall be agreed with CEB. The required constraint functions are as follows:

(a) Absolute Production Constraint

An Absolute Production Constraint is used to constrain the output active power from the Facility to a predefined power MW limit measured at the Point of Delivery. If the set point for the Absolute Production Constraint is to be changed, the Facility shall commence such change within two seconds, and the change shall be completed no later than 30 seconds after receipt of an order to change the set point unless otherwise agreed with CEB.

The accuracy of the control performed and of the set point shall not deviate by more than $\pm 2\%$ of the set point value or by $\pm 0.5\%$ of the Maximum Capacity at the Point of Delivery, whichever yields the highest tolerance.

(b) Power Gradient Constraint.

The Facility control system shall be capable of controlling the ramp rate of its Active Power output with a ramp rate as per **Section 4.5 of the relevant MSDG Grid Code**, unless or otherwise instructed by the CEB for security of the grid. These ramp rate settings shall be applicable for all ranges of operation including positive ramp rate during start up, positive ramp rate only during normal operation and negative ramp rate during controlled shut down. This shall not apply to frequency regulation.