



A Detailed Procedure for “Green Energy Open Access”

In accordance with

**Assam Electricity Regulatory Commission
(Terms and Conditions for Open Access) Regulations’ 2024**

Prepared by

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and Approved by

The Assam Electricity Regulatory Commission

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A. Abbreviation List

ABT - Availability Based Tariff

AEGCL - Assam Electricity Grid Corporation Ltd

AERC - Assam Electricity Regulatory Commission

AMR - Automatic Meter Reading

APDCL - Assam Power Distribution Company Limited

BCU - Bay Control Unit

CEA - Central Electricity Authority

CERC - Central Electricity Regulatory Commission

CT - Current Transformer

DISCOM - Distribution Company

DSM - Deviation Settlement Mechanism

EHV - Extra High Voltage

GEOA- Green Energy Open Access

GSS - Grid Sub-Station

HT - High Tension

IEGC - Indian Electricity Grid Code

IT - Information Technology

InSTS- Intra-State Transmission System(s)

ISTS- Inter-State Transmission System(s)

LTOA - Long-Term Open Access

MFM - Multi Functional Meter

MTOA - Medium-Term Open Access

NOC - No Objection Certificate

OA - Open Access

OT - Operational Technology

PPA - Power Purchase Agreement

PT - Potential Transformer

RECs - Renewable Energy Certificates

RLDC - Regional Load Despatch Centre

RPO - Renewable Purchase Obligation

RTU - Remote Terminal Unit

SEM - Special Energy Meters

SLDC - State Load Despatch Centre

STOA - Short Term Open Access

STU - State Transmission Utility

T&D - Transmission and Distribution

DETAILED PROCEDURE FOR GREEN ENERGY OPEN ACCESS

1. Definition

1.1. In these Regulations, unless the context otherwise requires:

1. “Act” means the Electricity Act, 2003 (36 of 2003) and subsequent amendments thereof;
2. "Allotted Distribution Capacity” means the power contracted for transfer (in MW) between the specified point(s) of injection and point(s) of drawal allowed to a long-term / medium term open access customer on the distribution licensee’s distribution system under normal circumstances and the expression "allotment of distribution capacity” shall be construed accordingly;
3. "Allotted Transmission Capacity” means the power contracted for transfer (in MW) between the specified point(s) of injection and point(s) of drawal allowed to a long-term/ medium term open access customer on the intra-state transmission system under normal circumstances and the expression "allotment of transmission capacity" shall be construed accordingly;
4. “Applicant” includes a consumer, trading licensee, distribution licensee or a generating Company who has applied for seeking open access as the case may be;
5. “Appropriate Commission” means the Central Regulatory Commission referred to sub-Section (1) of Section 76 or State Regulatory Commission referred to Section 82 or Joint Commission referred to Section 83 of the Act, as the case may be;
6. “Banking” means the surplus green energy injected to the grid by GEOA consumers credited with the distribution licensee with provision of drawal as per this regulation;
7. “Billing Cycle” means billing period for open access which shall be on monthly basis.
8. “Captive Generating Plant” means power plant set up under Section 9 of the Electricity Act, 2003 by any person to generate the electricity primarily for its own use and fulfill the conditions laid down in the Electricity Act, 2003 and Rules framed thereunder
9. “Central Commission or CERC” means the Central Electricity Regulatory Commission referred to in subsection (1) of section 76 of the Act;
10. “Central Nodal Agency” means a Central Nodal Agency as notified by the Central Government to set up and operate a single window GEOA system for green energy as specified by Ministry of Power in the Electricity (Promoting Renewable Energy through Green Energy Open Access) Rules 2022;
11. “Collective Transactions” means a set of transactions discovered in power exchange through anonymous, simultaneous competitive bidding by buyers and sellers;
12. “Commission or AERC” means the Assam Electricity Regulatory Commission referred to in Section 82 of the Act;
13. “Common Feeder” means a feeder from the licensee’s substation or line to the point of supply, to consumer(s) who are not on dedicated feeder subject to the condition that they agree to system constraints as well as other restrictions imposed by the Utility serving them in line with Clause 4.5.
14. “Connectivity” means the state of getting connected to the intra-State transmission and /or Distribution System;
15. "Consumer" shall carry the same meaning as in the Act. For these regulations the definition shall be restricted to such Consumers within the State of Assam to whom these Regulations shall apply;

16. "Control Area" shall carry the same meaning as in the State Grid Code, 2024 and its amendments thereof.
17. "Day" means a day starting at 00.00 hours and ending at 24.00 hours of any calendar date of Gregorian calendar;
18. "Day Ahead Market (DAM)" means a market where Day Ahead Contracts are transacted on the Power Exchange(s);
19. "Dedicated feeder" means a feeder from the licensee's substation or line to the point of supply of a consumer for supplying electricity to that consumer.
If the group of consumers, in the same premises or in contiguous premises, wants to avail open access, the feeder will be treated as dedicated feeder to such group of consumers subject to the condition that they collectively apply through a group leader to be nominated by all such consumers on that feeder;
20. "Detailed Procedure" means the detailed procedure laid down by the State Nodal Agency, in consultation with STU, SLDC and distribution licensee, pursuant to these Regulations and approved by the Commission;
21. "Developer" means the generating company who generate electrical energy from green sources of energy.
22. "Deviation" in a time block for a seller means its total actual injection minus its total scheduled generation and for a buyer means its total actual drawal minus its total scheduled drawal;
23. "Distribution Code" means the Distribution Code notified by the Commission;
24. "Distribution licensee" means any person who has been granted licence under Section 14 of the Act to distribute electricity;
25. "Electricity Supply Code" means the Electricity Supply code specified by the Commission under section 50 of the Act;
26. "Embedded Consumer" means a consumer who has a supply agreement with the distribution licensee and avails the option of drawing power from any other person under these regulations, fully or partially of the contract demand, during a day or more in any month or more than one month during the year, without ceasing to be a consumer of the said distribution licensee. The embedded consumer continues to pay various charges defined by the Commission as applicable to the relevant consumer category.
27. "Existing Open Access Customer" means a person already availing open access for sourcing/supplying energy from/to the transmission system and/or distribution system of the licensees in the State under an existing agreement or Commission's Regulations/orders on the date of coming into force of this Regulations;
28. "Fossil Fuel" includes fuels such as coal, lignite, gas, liquid fuel or combination of these as its primary source of energy, which are used in Thermal Generating Station for generating electricity;
29. "GEOA Consumer" means any open access consumer who has contract demand or sanctioned load of 100 kW or more, either through single connection or through multiple connections aggregating Hundred (100) kW or more located in same electricity division of a distribution licensee, has availed GEOA under these regulations and there shall be no limit of supply of power for the consumers taking power through captive generating plant under GEOA or such other limit as may be specified by Commission from time to time, who are supplied with electricity from Green Energy sources for their own use by a licensee or the Government or from its own Captive Generation Plant or by any other person engaged in the business of supplying electricity to the public including captive purpose under the Electricity Act, 2003 or any other law for the time being in force and includes any person whose premises are for the time being connected for the purpose of receiving green

- energy with the works of a licensee, the Government or such person, as the case may be.”
30. “GEOA Customer” includes an Applicant who has been granted GEOA open access under these Regulations;
 31. “Green Energy” means the electrical energy from renewable sources of energy including hydro and storage (if the storage uses only renewable energy) or any other technology as may be notified by the Commission from time to time and shall also include any mechanism that utilizes green energy to replace fossil fuels including production of green hydrogen or green ammonia;
 32. “Green Energy Open Access” “GEOA” means open access provided to the GEOA Customers for supply of Green Energy.
 33. “IEGC” means Indian Electricity Grid Code specified by the Central Electricity Regulatory Commission under Clause (h) of sub-section (1) of Section 79 of the Act, and as amended from time to time.
 34. “Installation” means the whole of electric wires, fittings, motors, and apparatus installed and wired by or on behalf of the consumer of one or same premise starting from the point of the commencement of supply;
 35. “Intra State Entities” means a person located within the State, receiving power by using the State-grid including such system when it is used in conjunction with inter-State transmission system and whose scheduling and/or metering and energy accounting is coordinated by the SLDC in accordance with the State Grid Code.
 36. “Licensee” means a person who has been granted Licence under Section 14 of the Act;
 37. “Long Term Open Access or LTOA” means the right to use the Intra-State transmission and/ or distribution system for a period exceeding 7 Years for open access;
 38. “Medium Term Open Access or MTOA” means the right to use the Intra - State Transmission and /or distribution system for a period equal to or exceeding 3 months but not exceeding 5 years for GEOA:
 39. “MNRE” means Ministry of New and Renewable Energy, Government of India (GoI)
 40. “Month” means a calendar month as per the Gregorian calendar;
 41. “MoP” means Ministry of Power, Government of India (GoI)
 42. “Nodal Agency(ies)” means the Nodal Agencies referred to in these Regulations under 1.1 section 10 and 65.
 43. “Obligated Entity” means the entities mandated under clause (e) of sub-section(1) of section 86 of the Act to fulfill Renewable Purchase Obligation, which includes distribution licensee, captive generating plant, and open access consumer.
 44. “Open Access” means the non-discriminatory provisions for use of transmission lines and/or distribution system or associated facilities with such lines or system by any licensees or consumers or a person engaged in generation in accordance with these Regulations specified by AERC;
 45. “Open Access Consumer” means the Open Access Customer who is also a consumer of the Distribution License with whose distribution system he is connected for getting supply of electricity in consumer mode and also connected for availing power through open access facility from its Open Access Source either through the grid; or in case of open access source being generator through Dedicated Transmission Line /internal network to its installations
 46. “Full Open Access Consumer” means an Open Access Consumer connected to the transmission or distribution system but not having any supply agreement with the distribution licensee within the State;

47. “Open Access Customer” includes a consumer, trader, distribution licensee, Captive generating plant or a generating Company or any other person who has been granted open access under these Regulations;
48. “Operational Constraint” means the non-availability of adequate capacity in the intra-state transmission system or distribution system of a licensee or non-existence/inadequacy of a metering and energy accounting system where the electricity to be purchased or sold under open access can be correctly measured and accounted for;
49. “Person” shall include any company or body corporate or association or body of individuals, whether incorporated or not, or artificial juridical person;
50. “Point of Drawal” means a connection at which electricity is transferred from the electricity transmission network or the electricity distribution network (as the case may be);
51. “Point of Injection” means a connection at which electricity is transferred to the electricity transmission network or the electricity distribution network (as the case may be);
52. “Premises” include any land, building or structure;
53. “Reactive Energy” means the integral of the reactive power with respect to time measured in VARh, or multiples thereof;
54. “Reactive Power” means the component of electrical power representing the alternating exchange of stored energy (inductive or capacitive) between sources and loads or between two systems, measured in VAT, or multiples thereof. For AC circuits or systems, it is the product of the RMS voltage and the RMS value of the out-of-phase component of alternating current. In a three-phase system, it is the sum of the reactive power of the individual phases;
55. “Remote Terminal Unit (RTU)” means a device suitable for measuring, recording and storing the consumption of electricity or any other quantity related with electrical system and status of the equipment in real time basis and exchanging such information with the data acquisition system for display and control and shall include, wherever applicable, other equipment such as Transducers, relays with necessary wiring and accessories;
56. “Renewable Energy Sources” means and include non-conventional renewable generation such as mini-hydel, Large Hydro (>25 MW commissioned on or after 8th March 2019 including pumped storage projects), wind, solar, biomass, biofuel cogeneration, urban or municipal waste, energy generated from Waste Heat Recovery System (WHRS) and such other sources as approved by the MNRE/ MoP and AERC.
57. “Reserved Capacity” means the capacity for power transfer in MW between the specified point(s) of injection and point(s) of drawal allowed to a short-term customer on the transmission/distribution system depending on availability of transmission/distribution capacity and the expression "reservation of capacity" shall be construed accordingly;
58. “Short Term Open Access or STOA” means Open Access for a period up to one (1) month at a time;
59. "SLDC" means State Load Despatch Centre established under sub-section of section 31 of the Act;
60. “Special Energy Meter (SEM)” includes a meter and its accessories compatible to record the electrical parameters in each defined time block for implementation of Availability Based Tariff (ABT);
61. “Standby charge(s)” means the charges applicable to Open Access customers against the standby arrangement provided by the distribution licensee, in case such Open Access customer is unable to procure/schedule power from the generating

- sources with whom they have the agreements to procure power due to outages of generator, transmission assets and the like;
62. "Start-up Power" means the power required by any generating station or Captive Generating Plant situated in the State for black start or cold start of such generating station.
63. "State" means the State of Assam;
64. "State Grid Code" means the State Grid Code specified by the Commission under clause (h) of sub-section (1) of section 86 of the Act, applicable on the date of commencement of these Regulations and as amended from time to time;
65. "State Nodal Agency" means a State Nodal Agency for the purpose of these Regulations set up and operate a single window GEOA System for green energy in the State of Assam is State Load Despatch Centre for Short-Term GEOA and State Transmission Utility (STU) for Medium-Term GEOA and Long Term GEOA;
66. "State Transmission Utility (STU)" means the utility notified by the Government of Assam as State Transmission Utility under section 39 of the Electricity Act, 2003;
67. "Stranded Distribution Capacity" means the distribution capacity which is likely to remain unutilized due to relinquishment of access rights by a LTOA/MTOA Consumer in accordance with these Regulations;
68. "Stranded Transmission Capacity" means the transmission capacity in the intra-State transmission system which is likely to remain unutilized due to relinquishment of access rights by a LTOA/MTOA Consumer in accordance with these Regulations;
69. "Transmission licensee" means any person who has been granted licence under Section 14 of the Act to transmit electricity.
70. "Transmission Services Agreement" means an agreement entered into between a transmission licensee and the open access customer to avail access to the licensee's transmission system for the transmission of electricity.
71. "Transmission System Segment" means a part or whole of the transmission system from the point of injection to the point of drawal;
72. "Wheeling" means the operation whereby the distribution system and associated facilities of a transmission licensee or distribution licensee, as the case may be, are used by another person for the conveyance of electricity on payment of charges to be determined under section 62;
73. "Wheeling Agreement" means an agreement entered into between a distribution licensee and the open access customer to avail access to the licensee's distribution system;
74. "Working Day" means a Day which is not a full / partial holiday as per the official Assam State Government's calendar or declared by AERC;
75. "Year" means a financial year.
76. "Lead GEOA Consumer" means authorized representative designated among GEOA Consumers who will act as a coordinating agency on their behalf in case of green energy open access availing by aggregating Contracted Demand or Sanctioned Load of hundred (100) kW and above through multiple connections located in same electricity division of a distribution licensee as per these Regulations.

2. Preface

- 2.1 This procedure for Green Energy Open Access (GEOA) is being issued in compliance with the “Assam Electricity Regulatory Commission (Terms and Condition of Open Access) Regulations, 2024” notified on 21st November, 2024, hereinafter referred to as “the Regulations/these Regulations”. This procedure shall be read in conjunction with the Regulations.
- 2.2 This procedure shall apply for registration and applications made for grant of Green Energy Open Access by availing Long Term Open Access, Medium Term Open Access and Short Term Open Access, as the case may be, for use of the Intra-State Transmission System(s) (InSTS) and /or Distribution System(s) of licensees in the State including when such systems are used in conjunction with the Inter-State Transmission System(s) (ISTS).
- 2.3 This procedure shall be applicable for all types of Renewable Energy Sources including hydro and storage(if the storage uses only renewable energy) or any other technology as may be notified by the Commission from time to time and shall also include any mechanism that utilizes green energy to replace fossil fuels including production of green hydrogen or green ammonia as per Clause 3 of the Assam Electricity Regulatory Commission (Terms and Condition for Open Access) Regulations, 2024”.

3. Eligibility for Green Energy Open Access and Conditions to be met

- 3.1 Subject to the provisions of the AERC (Terms and Conditions for Open Access) Regulations, 2024 and system availability, consumers shall be eligible for Green Energy Open Access to the intra-State transmission system of the State Transmission Utility or any intra-state transmission licensee/s and/or distribution system/s of the distribution licensee/s within the State, on payment of transmission and/ or wheeling and other charges, as applicable and as may be determined by the Commission pursuant to these Regulations.

Provided that notwithstanding anything contained in the Regulations, any Green Energy generating company having subsisting Power Purchase Agreement (PPA) with any distribution licensee, shall not be entitled to Green Energy Open Access for the Green Energy (RE) capacity, for which PPA is entered into as well as for any capacity (quantum of power) for which Open Access is already granted, except in accordance with the terms of such PPA.

- 3.2 Subject to the provisions of the AERC (Terms and Conditions for Open Access) Regulations, 2024 the Consumers, having Contracted Demand or sanctioned load of one hundred kW (100 kW) and above, either through single connection or through multiple connections aggregating 100 kW or more, applying through a Lead GEOA Consumer, located in the same electricity division of a distribution licensee shall be eligible to take power under Green Energy Open Access.

Provided, further that there shall be no limit with respect to contracted load or sanctioned load for the captive use of green energy by the consumer opting under Green Energy Open Access.

Provided further that minimum 12 continuous time-blocks of 15-minute interval for which the consumer shall not change the quantum of power consumed through Green Energy Open Access so as to avoid high variations in demand to be met by the distribution licensee.

Provided further that duties of the distribution licensee with respect of such open access customers shall be of a common carrier providing non-discriminatory Open Access as per section 42(3) of the Act.

- 3.3 An Applicant having been declared insolvent or bankrupt or having outstanding dues against him for more than two months billing of distribution/transmission licensee at the time of application shall not be eligible for Green Energy Open Access. .
- 3.4 Applicants seeking Open Access under the provisions of the AERC (Terms and Conditions for Open Access) Regulations, 2024 (and any amendments thereof) shall apply for General Connectivity as per the AERC (Grant of Connectivity to the Intra-State Transmission System) Regulations, 2025, as applicable.

4 Categories of OA Customers and Essential Requirements

4.1 The application procedure, application fee and the time frame of processing request by Applicant seeking Open Access shall be based on the following criteria:

4.1.1 System to which connected

- i. Intra-State transmission system
- ii. Distribution system

4.1.2 Inter-se location of drawal and injection points

- i. Both within the same distribution system
- ii. Within the State but in different distribution systems
- iii. Indifferent States

4.1.3. Type of Customer

- i. Embedded Open Access
- ii. Full Open Access

4.1.4 Duration of Open Access

- i. Long term open access as defined in the Clause No. 3.1.37 of the AERC(Terms & Conditions for Open Access) Regulations, 2024
- ii. Medium-term open access as defined in Clause No. 3.1.38 of the AERC(Terms & Conditions for Open Access) Regulations, 2024
- iii. Short-term open access as defined in Clause No. 3.1.58 of the AERC(Terms & Conditions for Open Access) Regulations, 2024

Provided that on expiry of granted STOA, if such Customer desires to avail the STOA for further period it shall require to file application for such period and such application shall be considered as fresh application and priority shall be fixed on basis of date of such application.

4.1.5 Source of Electricity Supply

- i. Green Energy

ii. Other than Green Energy

5 Criteria to be fulfilled by the Open Access customer before applying/availing the Green Energy Open Access (GEOA):

- 5.1 Long term GEOA shall be allowed in accordance with the transmission system planning criteria and the distribution system planning criteria stipulated in the State Grid Code and Distribution Code.
- 5.2 A customer shall be eligible for Short term GEOA / Medium Term GEOA over the surplus capacity available on the intra-State transmission system/distribution system after use by the long term GEOA customers, by virtue of
- a) Inherent Design Margins;
 - b) Margins available due to variation in power flows; and
 - c) Margins available due to in-built spare transmission / distribution capacity created to cater to future load growth.

Provided, Short term GEOA / Medium Term GEOA shall be allowed, if there is sufficient spare capacity available in the transmission system without any augmentation whereas for Long term GEOA, the transmission system may be augmented, if required and the same will be intimated to the applicant alongwith all other necessary information as per AERC (Terms & Conditions for Open Access) Regulations, 2024.

Provided that augmentation of the transmission / distribution system may not be carried out for the sole purpose of granting Medium Term GEOA or Short Term GEOA.

Provided further that construction of a dedicated transmission /distribution system shall not be construed as augmentation of the transmission /distribution system for the purpose of these Regulations.

- 5.3 A person having been declared an insolvent or bankrupt or having outstanding dues against him for more than two months billing of distribution/transmission licensee at the time of application shall not be eligible for open access.
- 5.4 During peak load hour restrictions in vogue, the GEOA customers shall restrict their total drawl including open access power to the extent of the peak load exemption allowed.
- 5.5 The GEOA customer shall facilitate real time monitoring and data acquisition including automatic meter reading facility for energy accounting at SLDC by installation of ABT Compliant Special Energy Meters (SEM) and Remote Terminal Unit (RTU) by the Transmission or distribution Licensee at customer cost before grant of open access.
- 5.6 On meeting the mandatory eligibility requirements, the applicant shall be issued the approval for grant of Green Energy Open Access/NOC/Standing clearance/concurrence whichever is applicable by the Nodal Agency. Thereafter, the following conditions are required to be fulfilled by the Open Access applicant.

5.7 Metering Requirements:

- 5.7.1 The Green Energy Open access customer irrespective of capacity, ABT compatible Special Energy Meters or any other necessary infrastructure shall be developed for Energy Accounting by the transmission or distribution licensee, as the case may be, at the

cost of the customer. Also, necessary infrastructure shall be developed for real time monitoring which might involve installation of RTU and necessary communication infrastructure by the transmission or distribution licensee, as the case may be, at the cost of the customer. In this connection, as per CEA (Technical Standards for Construction of Electric Plants and Lines), 2022 - Installation of Optical Ground Wire on Transmission Lines under Chapter IV, PART-A "SUBSTATIONS AND SWITCHYARDS (66 kV AND ABOVE)" Clause 48 ,sub clause (5), mandates the provision of Optical Ground Wire, along with necessary terminal equipment, on transmission lines of voltage rating 110 kV and above for speech transmission, line protection, and data channels. Additionally, it specifies that the primary path for tele-protection should be on point-to-point Optical Ground Wire, with an alternative path on either Power Line Carrier Communication or predefined physically diversified Optical Ground Wire paths. Also, as per CEA (Cyber Security and Power Sector) guidelines 2021, article 1, clause a, subclause I, mandates having hard isolation of OT Systems from any internet facing IT systems. Therefore, as stipulated in the AERC (Terms and Condition for Open Access), Regulations 2024, irrespective of voltage level, necessary communication infrastructure shall be developed with Optical fibre up to the nearest wideband node for establishment of telemetry (Real time and AMR facilities).

- 5.7.2 The data from ABT Compliant Special Energy Meters (SEM) may be used for real time monitoring in addition to energy accounting. However, in case real time data telemetry has been established from BCU or MFM, the same shall be considered sufficient from real time monitoring aspect (Analog data portion). Along with Analog, Digital data shall also need to be established. In case an existing customer has not availed Green Energy Open Access for more than two (2) years, the system installed for Energy Accounting and Real time Monitoring at SLDC and GSS may be decommissioned by the transmission or distribution licensee, as the case may be, at the cost of the customer. SLDC shall validate the data pertaining to real time monitoring and energy accounting before allowing Green Energy Open access.

5.8 Communication Facility:

The GEOA customers, the facilities/equipment for communication/transfer of metering parameters to SLDC control room on real time basis through an independent channel is to be provided by them at their cost.

To communicate with SLDC, dedicated voice connectivity with SLDC control room shall be established at the cost of the customer.

- 5.9 SLDC/Transmission Licensee/Distribution Licensee reserves the right to deny Green Energy Open access to customers or withdraw it any time in case of not fulfilling any of the eligibility conditions like payment defaults as per clause no. 34 of the AERC (terms and Conditions for Open Access) Regulation, 2024, etc or otherwise due to any technical/operational constraints. Reasons for such denial/withdrawal shall be immediately conveyed to the customer.

- 5.10 The Green Energy Open access customer shall obey the SLDC instructions; otherwise, necessary penalty shall be imposed as per the Electricity Act, 2003.

- 5.11 All Green Energy Open Access consumers must comply with the AERC(Terms & Conditions for Open Access) Regulations, 2024 and other relevant Detailed procedures, as approved by

AERC, from time to time to ensure smooth energy accounting as well as system operations at State Load Dispatch Centre (SLDC).

6. Nodal Agency:

6.1 Intra-State – In case of Green Energy open access connected to the State transmission / distribution system or on systems of different transmission / distribution licensees and falls within the Control Area jurisdiction of the State:

6.1.1 Central Nodal Agency:

Central Nodal Agency as notified by the Central Government has set up and is operating a single window open access portal for green energy as specified by Ministry of Power in the Electricity (Promoting Renewable Energy through Green Energy Open Access) Rules 2022. The current web-address of the portal is **<https://greenopenaccess.in/landing>**, this may be updated by the Central Nodal Agency from time to time.

6.1.2 State Nodal Agency:

- a) SLDC, Assam (the State Load Despatch Centre of Assam) shall operate as the State Nodal Agency for grant of Short-Term Green Energy Open Access; and
- b) Assam Electricity Grid Corporation Limited (AEGCL, the State Transmission Utility (STU)) shall be State Nodal Agency for grant of Long-Term Green Energy Open Access and Medium-Term Green Energy Open Access.

7. Application Procedure for Green Energy Open Access

7.1 The GEOA Applicant shall submit the application complete in all respects in the prescribed format to the Central Nodal Agency as specified on the centralised portal as provided in the Clause no. 6.1.1 of this detailed procedure (Procedure of Grant of Green Energy Open Access of Central Nodal Agency may be referred).

7.2 These applications shall then get routed from the Central Nodal Agency portal to the concerned State nodal agency notified by the Commission for grant of green energy open access and processed by the State Nodal Agency in accordance with this detailed procedure.

7.3 A customer seeking Long Term GEOA/Medium Term GEOA/ Short Term GEOA on Inter-State network in conjunction with Intra-state network shall submit application to the nodal agency for issue of No Objection Certificate/ Concurrence/Prior Standing Clearance accompanied with the non-refundable fee and Bank Guarantee in accordance with the AERC(Terms & Conditions for Open Access) Regulations, 2024, AERC (Grant of Connectivity to the Intra-State Transmission System) Regulations, 2025, other relevant Detailed procedures, as approved by AERC as amended from time to time alongwith the No Objection certificate from the concerned Distribution Licensee in case the applicant is a consumer of Distribution Licensee.

7.4 The application shall be accompanied by an undertaking of not having entered into Power purchase agreement (PPA) or any other bilateral agreement with more than one person for that capacity (quantum of power) and for the same time period for which open access is sought.

7.5 The application for Grant of Short Term GEOA complete in all respects shall be addressed to the following address.

**CHIEF GENERAL MANAGER,
STATE LOAD DESPATCH CENTRE, AEGCL, ASEB, COLONY,
KAHILIPARA,
GUWAHATI-781019
Email id- cgm.sldc@aegcl.co.in**

The application for Grant of Long Term/ Medium Term GEOA complete in all respects shall be addressed to the following address.

**CHIEF GENERAL MANAGER (PP&D),
ASSAM ELECTRICITY GRID CORPORATION LIMITED,
BIJULI BHAWAN, PALTAN BAZAR,
GUWAHATI-781001
Email id- cgm.ppd@aegcl.co.in**

7.6 State Nodal Agency shall acknowledge receipt of the application complete in all respect by indicating time and date on —Acknowledgement to the applicant.

7.7 After the receipt of application for registration, the respective nodal agency, as the case may be, shall conduct a preliminary scrutiny to ensure application is complete in all respects. In case of any discrepancy / short coming / requirement of any further information, the concerned nodal agency shall intimate the applicant through the portal for rectification of the deficiency within a period of 2 working days. In case the applicant does not respond within a period of 2 working days with the required details to the concerned nodal agency, the registration request shall be rejected.

7.8 In case of customer seeking open access on Inter-State network in conjunction with Intra-State network, after scrutiny of the application and carrying out required system studies for ascertaining the capacity and facilities available for open access, State Nodal Agency shall issue No objection Certificate/ Concurrence/ Prior Standing Clearance. After approval of open access by the CTU but before commencement of the LTOA agreement the customer shall be required to complete all the activities as per the AERC (Terms & Conditions for Open Access) Regulations, 2024 and the relevant Detailed Procedures.

7.9 The State Nodal Agency shall coordinate with STU and the Distribution Licensees to make available all relevant information regarding green energy open access to the consumers on the centralised portal of the Central Nodal Agency as well as to carry out necessary system studies as expeditiously as possible so as to ensure that the decision to grant or refuse Long Term/Medium Term/Short Term GEOA is made within the timeframe specified in the Clause No. 10.4 of the AERC(Terms & Conditions for Open Access) Regulations 2024. The State Nodal Agency shall also submit a copy of application to the distribution licensee who is supplying electricity to Applicant.

7.10 The GEOA applicant shall ensure that all details are correct, failing which, the registration may be cancelled/denied by the concerned nodal agency.

- 7.11 State Nodal Agency shall process and recommend the application of Intra-State entity for new applications and renewal of registration through the Centralised Portal as per Clause no. 10.4 of AERC (Terms & Conditions for Open Access) Regulations, 2024.
- 7.12 The application for Green Energy open access shall be made in the prescribed format in accordance with the Assam Electricity Regulatory Commission (Terms and Condition of Open Access) Regulations, 2024 and the relevant Detailed Procedures.
- 7.13 The application for Green Energy Open Access shall accompany with the non-refundable fee as specified in the Clause no. 10.4 of AERC (Terms & Conditions for Open Access) Regulations, 2024 alongwith necessary proof of it. The concerned State Nodal Agency shall ensure that non-refundable processing fee of Rupees One lakh for Long-Term, and (ii) Rupees Twenty-Five Thousand for Medium-Term Green Energy Open Access and (iii) Rupees Ten Thousand for Short-Term Green Energy Open Access shall be paid by the Applicant to the State Nodal Agency.
- 7.14 For Long Term/ Medium Term GEOA, the application shall also be accompanied by a bank guarantee corresponding to Rs 25,000 /MW (Twenty Five Thousand per MW) of the total power to be transmitted from a nationalized or Scheduled Bank in favor of the State Nodal Agency, in addition to the specified application fee. The amount of bank guarantee specified may be revised by the AERC notification from time to time.
- 7.15 The bank guarantee shall be kept valid and subsisting till
- operationalization of Long Term GEOA when augmentation of transmission system is not required. **OR**
 - the execution of the Long Term GEOA agreement, in the case when augmentation of transmission system is required.
- 7.16 The bank guarantee for Long Term / Medium Term GEOA shall be returned to the applicant within 15 working days
- of signing of the Long Term Medium Term / GEOA Agreement; **OR**
 - No consent to proceed by Applicant in case of augmentation for system strengthening. **OR**
 - of rejection of such application
- 7.17 The bank guarantee shall be encashed by the State Nodal Agency,
- if the application is withdrawn by the applicant at any stage; **OR**
 - if the Long Term/Medium Term GEOA rights are relinquished prior to the operationalization of such rights when augmentation of transmission system is not required;
- Provided in case of force majeure event, the above rights shall not be enforced.
- 7.18 On receipt of the application, the State Nodal Agency shall, in consultation and through coordination with other agencies involved in intra-State transmission system to be used (SLDC and Distribution licensee of the open access customer), process the application as per the AERC(Terms & Conditions for Open Access) Regulations, 2024 and its all related Detailed Procedures.
- 7.19 In cases where there is any material change in location of the Applicant or change by more than 10 percent in the quantum of power or 5 MW, whichever is less, to be interchanged

using the intra-State Transmission system, a fresh Application shall be made, which shall be considered in accordance with these Regulations.

7.20 The GEOA Applicant shall submit any other information sought by the State Nodal Agency including the basis for assessment of power to be interchanged using the intra-State Transmission System and power to be transmitted to or from various entities to enable the State Nodal Agency to plan the intra-State transmission system in a holistic manner.

7.21 The applicant shall sign an agreement for Long Term /Medium Term GEOA with the STU in case Long Term/ Medium Term GEOA is granted by the State Nodal Agency, in accordance with the provision as made in the AERC(Terms & Conditions for Open Access) Regulations, 2024.

7.22 Immediately after grant of LTOA, the State Nodal Agency shall inform the SLDC/Distribution Licensee, so that it can consider the same while processing requests for grant of MTOA/STOA, received under these Regulations.

7.23 In cases where more than one long term open access customer applies for capacity allocation during the same period, and if the capacity sought to be allocated to the customers is more than the available capacity during that period of time, the State Nodal Agency concerned may offer to allocate the capacity in the ratio of capacity sought by the customers.

Provided that the costs of system augmentation, if such augmentation becomes necessary, shall also be apportioned among the customers.

7.24 On the expiry of the period of LTOA, the same may be processed as per AERC(Terms & Conditions for Open Access) regulations, 2024.

7.25 Further, during the pendency of application for grant of Green Energy Open Access, the applicant shall not inject any energy to the licensees' network and the licensee shall not be liable to pay any charges for the energy injected during such period. In such cases, the State Nodal Agency reserves the right to take necessary action as per the act.

7.26 Involving Inter-State Transmission System:

7.26.1 In case of Green Energy open access connected to the inter-state transmission system and not under the control area jurisdiction of the State, the procedure shall be as per relevant regulations of CERC and amendments from time to time.

7.26.2 Provided that in respect of a customer connected to a distribution system/Transmission System seeking inter-State short-term open access, the SLDC, before giving its consent, as required under the Central Commission's Regulations, shall obtain the consent of the distribution licensee along with STU.

7.27 Procedure for Day-Ahead Green Energy Open Access

An application complete in all respects for grant of Day-ahead Green Energy open access may be made to the Central Nodal Agency within three days prior to the date of scheduling

but not later than 07:30 hrs of the day immediately preceding the day of scheduling for day-ahead transaction alongwith non-refundable fee, Bank Guarantee (if any) and other necessary documents as per the AERC (Terms & Conditions for Open Access) Regulations, 2024 and its amendments made from time to time.

For example, application for day-ahead transaction on 25th day of July shall be received on 22nd day or 23rd day or up to 07:30 hrs on 24th day of that month.

Provided that the telemetry facility (both real-time and AMR) with SLDC is in place and functional and requisite consent from the concerned distribution licensee has been obtained for the period for which Green Energy open access is sought. State Nodal Agency shall check for resultant congestion due to the proposed STOA and NOC obtained from the concern and convey grant of approval or otherwise. All other provisions of application for Green Energy open access shall apply.

Where GEOA is denied, the State Nodal Agency shall furnish the reasons thereof to the applicant.

8 Consent by STU, SLDC or Distribution Licensee

8.1 Inter-State Open Access

8.1.1 In case of open access connected to the inter-state transmission system and not under the control area jurisdiction of the State, the procedure shall be as per relevant regulations of CERC and amendments from time to time.

8.1.2 Provided that in respect of a customer connected to a distribution system/STU seeking inter-State short-term open access, the SLDC, before giving its consent, as required under the Central Commission's Regulations, shall obtain the consent of the distribution licensee along with STU as specified in the Clause no. 5 of this Detailed Procedure.

8.2 Intra-State Open Access:

8.2.1 In respect of a consumer connected to a distribution/ transmission system seeking Green Energy Open access, State Nodal Agency shall obtain the consent of the distribution licensee concerned. The distribution licensee concerned shall convey its consent or otherwise to SLDC by email or by any other recognized mode of communication within two (2) working days of receipt of the application complete in all respects. The process and timeline of providing consent, refusal or any other communication shall be as per this Detailed Procedure.

8.2.2 In respect of a GEOA consumer, the Central Nodal Agency will be involved in the consent/refusal of the application and the communication in this respect shall be made using the Centralized portal as provided in this Detailed Procedure.

8.2.3 The relevant detail of submission of application and consent/refusal shall also be communicated to SLDC.

8.2.4 While processing the application from a generating station seeking consent for open access,

- i. the distribution licensee shall verify the following as per the Assam Electricity Regulatory Commission (Electricity Grid Code) Regulations, 2024 (its amendments thereof) and AERC (Terms and Conditions for Open Access) Regulations, 2024 (its amendments thereof) along with its Detailed Procedure,

namely

a) Existence of infrastructure necessary for time-block-wise energy metering and accounting.

b) Availability of capacity in the distribution network, and

ii. SLDC shall verify the following in co-ordination with STU as per the Assam Electricity Regulatory Commission (Electricity Grid Code) Regulations, 2024 (its amendments thereof) and AERC (Terms and Conditions for Open Access) Regulations, 2024 (its amendments thereof) along with its Detailed Procedure:-

a) Availability of RTU and communication facility to transmit real- time and AMR data to SLDC

8.2.5 The distribution or transmission licensee shall convey any of the following to the State Nodal Agency

a) Where existence of necessary infrastructure and availability of capacity in the distribution network has been established, the distribution licensee shall convey its consent to the applicant within two (2) working days of receipt of the application complete in all respect : OR

b) Deficiency or defect in application: OR

c) Due to ineligibility of applicant or incorrect application or in case the application has been found to be in order but the distribution licensee refuses to give consent on the grounds of non-existence of necessary infrastructure or unavailability of surplus capacity in the distribution network, such refusal shall be communicated along with reason: OR

d) Requirement of system augmentation as per the timeline provided in clause 10.4 of the AERC (T&C for OA) Regulation, 2024.

8.2.6 In case the nodal agency finds that the application for consent is incomplete or defective in any respect, it shall communicate the deficiency or defect to the applicant by e-mail or by any other usually recognized mode of communication, within two (2) working days of receipt of the application.

8.2.7 In case the application has been found to be in order but the distribution licensee refuses to give consent on the grounds of non-existence of necessary infrastructure or unavailability of surplus capacity in the distribution network, such refusal shall be communicated to the applicant by e-mail or by any other usually recognized mode of communication, as per the timeline provided in clause 10.4 of the AERC (T&C) Regulation, 2024 from the date of receipt of the application complete in all respect, along with reasons for such refusal.

8.2.8 Where the distribution licensee has not communicated to State Nodal Agency in the specified timelines, consent shall be deemed to have been granted.

8.2.9 In case of subsequent application, the distribution licensee shall convey its consent within 2 (two) working days from the date of receipt of the application complete in all respect. In case the distribution licensee has not communicated to State Nodal Agency within 2 (two) working days from the date of receipt of the application complete in all respect, consent shall be deemed to have been granted.

8.2.10 If there is deficiency or defect in the application and the same is communicated to Applicant by State Nodal Agency, the timeline will start again from the date all the deficiencies and defects are removed by the Applicant.

9 Consideration of Applications from Defaulters

The State Nodal Agency may reject an application for Green Energy Open Access after giving reasons for the same, on the ground of non-compliance of the provisions of the AERC (T&C for OA) Regulations, 2024, and other prevailing AERC Regulations, more specifically the provisions relating to timely payment of the charges as per Chapter-IV of AERC (T&C for OA) Regulations, 2024 and the AERC Tariff Orders in force.

10 Open Access Charges

- 10.1 All the open access charges as per Chapter-IV of AERC (T&C for OA) Regulations, 2024 and the AERC Tariff Orders in force shall be paid by the Green Energy open access customer,
- 10.2 In case of force majeure condition, the distribution/ transmission licensees shall not be liable to pay compensation to the open access customer for under drawl.

The charges to be levied on Green Energy Open Access Customers shall be as per Chapter-IV of AERC (T&C for OA) Regulations, 2024 and the AERC Tariff Orders in force: -

- a) Transmission charges;
- b) Wheeling charges;
- c) Cross subsidy Surcharge;
- d) Additional Surcharge
- e) Standby charges wherever applicable;
- f) Deviation Charges
- g) Reactive Energy Charges
- h) Scheduling and System Operation Charges
- i) Banking charges; and
- j) other fees and charges such as Load Despatch Centre fees, etc. as per the relevant regulations/ orders of the Commission.

11 Banking (Only applicable for GEOA Customers)

- 11.1 Banking facility shall be provided to the consumers availing Green Energy Open Access.
- 11.2 Banking shall be permitted on a billing cycle basis to GEOA Consumer on payment of charges to compensate additional costs, if any, to the distribution licensee.
- 11.3 The permitted quantum of banked energy by the GEOA consumers shall be at least 30% of total monthly consumption of electricity directly procured from the distribution licensee by the consumers. Electricity obtained through Open Access arrangements either from a third-party supplier or via captive generation utilising the distribution network, will be excluded from this calculation.
- 11.4 Provided that the credit for banked energy shall not be permitted to be carried forward to subsequent billing cycles and shall be adjusted during the same billing cycle.

Provided further that the un-utilised surplus banked energy shall be considered as lapsed at the end of each billing cycle and the Renewable Energy generating station

shall be entitled to get Renewable Energy Certificates to the extent of the lapsed banked energy.

- 11.5 Provided further that, the energy banked during peak period (as provided in the Tariff Order of Distribution Licensee) shall be permitted to be drawn during peak as well as off-peak (and normal) period (as provided in the Tariff Order of Distribution Licensee). However, the energy banked during off-peak (and normal) period shall be permitted to be drawn during off-peak (and normal) period only by paying the banking charges and from off-peak (and normal) period to peak period only by paying additional charges as may be specified by the Commission in addition to the banking charges.”
- 11.6 The Banking Charges shall be adjusted in kind @ 8% of the energy banked.
- 11.7 The banking facility including injection of surplus energy and drawal of banked energy shall be subject to scheduling. The injection of energy from Wind, Solar and other RE Generating Stations to the grid shall also be subject to scheduling subject to the limits specified in AERC (Deviation Settlement Mechanism and related matters) Regulations, 2024 as amended from time to time and relevant Orders of the Commission on different renewable energy based (Green Energy) projects.
- 11.8 In respect of consumers availing banking of power procured from generating plants set up under various Orders/ Regulations of the Commission including these regulations; following shall be the hierarchy of settlement of energy:
- The Green Energy Open Access availed by the GEOA consumer from the different Green Energy generating plants having different mechanism for energy accounting and set-off of the energy simultaneously in the same time block and/or daily basis and/or monthly basis/billing cycle basis as the case may be in accordance with applicable Order/Regulations of the Commission, in such case the energy accounting is carryout by the SLDC /RLDC /Distribution Licensee for giving set-off as under:
- 11.9 The treatment for settlement of energy wheeled/transmitted under long-term open access, medium-term open access or short-term open access from the green energy generator shall be given as per the provisions of relevant Orders of the Commission on renewable energy generator under which such projects were set up or commissioned read with the wheeling/transmission services agreement with the licensee.
- 11.9.1 The priority for energy accounting purpose for the purchase of the Green Energy through LTOA/MTOA/STOA shall be as under:
- a) LTOA based purchased energy/wheeled energy at highest;
 - b) MTOA based purchased energy/wheeled energy after LTOA energy;
 - c) STOA based purchased energy/wheeled energy after MTOA energy;
 - d) Priority amongst same category of aforesaid open access cases FIFO (First in First Out) principle shall be followed.

- 11.9.2 The surplus energy after consumption set-off in a 15-minute time-block basis or daily basis is accounted as banked energy and the same shall be consumed by the consumer as per the provisions of these Regulations.
- 11.9.3 The banking facilities available and settlement of energy mechanism for different green energy generators will be in accordance with applicable order/ notification/regulations of the Commission / Government Policy.
- 11.9.4 If the total energy generated from the different green sources cannot be accounted for and adjusted in the aforesaid manner, the surplus energy available has to be treated as lapsed energy eligible for REC's as specified in these Regulations for the projects qualified under this regulation. While in case of projects which are commissioned prior to Notification of these regulations, the treatment for surplus energy shall be as per the provisions of the relevant regulation/ Commission's Order / Government notification, read with transmission services and/or wheeling agreement between the parties.
- 11.10 The GEOA consumers opting for banking facility shall have to provide intimation to the concerned State Nodal Agency atleast one billing cycle in advance.

12 Other Charges

The Regulatory charges, congestion charges and any other charges imposed by CERC and/or the Commission, in accordance with prevailing Acts, Regulations, Orders and Policies, etc levied by the State Government shall be payable by all the Green Energy open access customers.

In case of force majeure condition, the distribution/ transmission licensees shall not be liable to pay compensation to the Green Energy open access customer for under drawl.

13 Scheduling, Metering and Losses

A. Scheduling:

Green Energy Open Access Customers, irrespective of the capacity, shall submit their schedule to SLDC in accordance with the provisions of the Assam Electricity Regulatory Commission (Electricity Grid Code) Regulations, 2024 (its amendments thereof), Detailed procedure for Deviation Settlement Mechanism and Related Matters, 2025 and AERC (T&C for OA) Regulations, 2024.

The embedded GEOA consumer shall have to declare their schedule by 7:30 AM of the previous day, showing the drawal from the DISCOM and through open access, separately, to the SLDC and DISCOM.

B. Metering:

- a) The GEOA customer irrespective of capacity, ABT compatible Special Energy Meters or any other necessary infrastructure shall be developed for Energy Accounting by the transmission or distribution licensee, as the case may be, at the cost of the customer. Also, necessary infrastructure shall be developed for real time monitoring which might involve installation of RTU and necessary communication infrastructure by the transmission or distribution licensee, as the case may be, at the cost of the customer. In this connection, as per CEA (Technical Standards for Construction of Electric Plants

and Lines), 2022 - Installation of Optical Ground Wire on Transmission Lines under Chapter IV, PART-A “SUBSTATIONS AND SWITCHYARDS (66 kV AND ABOVE)” Clause 48, sub clause (5), mandates the provision of Optical Ground Wire, along with necessary terminal equipment, on transmission lines of voltage rating 110 kV and above for speech transmission, line protection, and data channels. Additionally, it specifies that the primary path for tele-protection should be on point-to-point Optical Ground Wire, with an alternative path on either Power Line Carrier Communication or predefined physically diversified Optical Ground Wire paths. Also, as per CEA (Cyber Security and Power Sector) guidelines 2021, article 1, clause a, subclause I, mandates having hard isolation of OT Systems from any internet facing IT systems. Therefore, as stipulated in the AERC (Terms and Condition for Open Access), Regulations 2024, irrespective of voltage level, necessary communication infrastructure shall be developed with Optical fibre up to the nearest wideband node for establishment of telemetry (Real time and AMR facilities).

- b) The data from ABT Compliant Special Energy Meters (SEM) may be used for real time monitoring in addition to energy accounting. However, in case real time data telemetry has been established from BCU or MFM, the same shall be considered sufficient from real time monitoring aspect (Analog data portion). Along with Analog, Digital data shall also need to be established.
- c) In case an existing customer has not availed Green Energy Open Access for more than two (2) years, the system installed for Energy Accounting and Real time Monitoring at SLDC and Grid Sub-Station may be decommissioned by the transmission or distribution licensee, as the case may be, at the cost of the customer. SLDC shall validate the data pertaining to real time monitoring and energy accounting before allowing Green Energy Open access.
- d) Installed Special Energy Meters shall be capable of time-differentiated measurements for time-block-wise active energy and voltage differentiated measurement of reactive energy in accordance with the State Grid Code and IEGC.
- e) Special Energy Meters shall be open for inspection by any person authorized by the State Transmission Utility, State Load Despatch Centre or the distribution licensee.
- f) The Meters shall be periodically tested and calibrated by State Transmission Utility / distribution licensee as per State Grid Code and norms of Central Electricity Authority.
- g) Readings of Meters shall be taken periodically at appointed day and hour by the officer of distribution licensee authorized in this regard as per procedure specified in State Grid Code, IEGC and AERC (Electricity Supply Code and Related Matters) Regulations, 2017 as amended from time to time.
- h) The Green Energy Open Access customer shall install Main meter, Check meter, and Standby meter as per the specifications given by distribution licensee/STU at both sending and receiving end, and if in worst cases if all the meters fail, will not claim any financial loss. In case, any one of meters connected to Green Energy Open Access Customer, whether main or check or standby meter goes out of order, immediately on detection, the customer will replace/rectify the defective meter within a period of one month from the date of notice. If the defective meter is not replaced within the month, then SLDC reserves the right to suspend Green Energy Open Access.
- i) The procedure for joint sealing, replacement of defective meter, billing in the event of meter(s) becoming defective shall be followed as laid down in the State Grid Code.

SLDC shall be informed by distribution licensee/STU immediately after detection of such defect and SLDC reserves the right to suspend Green Energy Open Access until the defect is rectified.

- j) All the Green Energy Open Access Customers shall abide by the metering standards defined in CEA (Installation and Operation of Meters) Regulations' 2006, notified by the Central Electricity Authority (CEA) vide its notification dated 17 March, 2006, as amended from time to time.
- k) Any Change in the multiplication number or CT, PT ratio shall have to be recorded.

C. Energy Losses:

a) Inter-State Open Access:

Long Term GEOA and Medium Term GEOA: The buyers and sellers of electricity shall bear apportioned energy losses in the transmission system in accordance with the provisions specified in the applicable CERC Regulations.

Short Term GEOA: The buyers and sellers of electricity shall bear apportioned energy losses in the transmission system in accordance with the provisions specified in the applicable CERC Regulations.

b) Intra-State Open Access:

The Transmission & Distribution losses for the Intra-State system determined by the commission in its Tariff Orders for the applicable year, shall be apportioned in proportion to the actual energy drawn by the Green Energy Open Access consumer and shall be accounted for accordingly.

14 Energy Accounting

- 14.1 SLDC shall be responsible for energy accounting for all Green Energy open access customers on the basis of energy scheduled under Open Access arrangement.
- 14.2 SLDC shall maintain the time block wise consumption record of the ABT Compliant Special Energy Meters (SEM) meters installed against each Green Energy open access customer on weekly basis (by next Tuesday of the week, for the previous week starting from Tuesday to Monday mid-night) and upload the same in their website. Energy accounting statement on monthly basis should also be sent to the Central Nodal Agency/ State Nodal Agency(s) as applicable, Green Energy open access customers and transmission and distribution licensees via e-mail and published in their website.

15 Billing, Collection and Disbursement

Billing, Collection and Disbursement of charges payable to the concerned Nodal agency shall be as per Clause 32 of the AERC(Terms & Conditions for Open Access) Regulations, 2024 and its amendments made from time to time.

16 Late Payment Surcharge

In case the payment of any bill for charges payable under AERC (T&C for OA) Regulation, 2024 is delayed by a Green Energy open access customer beyond the due date, without

prejudice to any action under the Act or any other Regulation there under, a late payment surcharge at the rate of 1.50% per month or part thereof shall be levied.

17 Default in Payment

17.1 Non-payment of any charge or sum of money payable by the Green Energy Open Access Customer/licensee to the concerned nodal agency under these Regulations along with other relevant AERC Regulations (including deviation charges) be considered non-compliance of these Regulations and shall be liable for action under section 142 of the Act in addition to action under section 56 of the Act. The STU or any other transmission licensee or a distribution licensee may discontinue Green Energy Open Access after giving Customer an advance notice of seven working days, without prejudice to its right to recover such charges by suit.

17.2 In case of default in payment of any charges, the State Load Despatch Centre, may refuse to schedule power to the defaulting GEOA Customer and direct the licensee concerned to disconnect such Consumer from the grid.

18 Payment Security Mechanism

A GEOA customer shall pay the transmission charges, SLDC charges, wheeling charges, cross subsidy surcharge, additional surcharge, and such other charges as applicable, in the manner as laid down in these Regulations.

19 Curtailment Priority

SLDC may curtail power flow on any transmission corridor by cancelling or rescheduling any transaction, if the situation demands in case of exigency for maintaining the stability of the grid and grid security. However, in all such cases of cancellation or curtailment, the SLDC shall, as soon as practicable, intimate in writing to the customer the reasons for the same.

Subject to provisions of the State Grid Code/ IEGC, cancellation/curtailment will be affected as under:

1. STOA of other than green energy will be cancelled or curtailed first, followed by STOA of green energy,
2. Next, MTOA of other than green energy, followed by MTOA of green energy shall be curtailed,
3. Next, LTOA of other than green energy, followed by LTOA of green energy.
4. Among short term transactions, bilateral transaction will be cancelled or curtailed first, followed by collective transactions.
5. Open Access to a distribution licensee will be the last to be curtailed within a category.
6. Curtailment will be effected on a pro-rata basis amongst the Customers of a particular category, all the open access customers of green energy within a particular category shall have equal priority.

In case of curtailment of the approved schedule by the State Load Despatch Centre,

transmission and wheeling charges shall be payable pro-rata in accordance with the curtailed schedule.

Full operating charges like SLDC fee and transaction charges specified in AERC (Terms & Conditions for Open Access) Regulations 2024 amended from time to time will be payable irrespective of curtailment, if any.

20 Renewable Purchase Obligation (RPO)

- a. Each Open Access Customer shall be required to fulfill its Renewable Power Purchase Obligations (RPO), as per AERC (Renewable Energy Purchase Obligation and its Compliance) Regulations, 2010 and amendment thereof.
- b. The RPO shall be met by Green Energy Open Access Customers either by purchase of electricity (in kWh) from renewable sources or by purchase of Renewable Energy Certificate(s) (RECs) from the Power Exchange.
- c. It shall be the responsibility of the Green Energy Open Access Customers to submit details of energy transacted under open access consumption and obligation compliance in formats prescribed by the Nodal Agency in quarterly basis.

21 Under-Utilisation or Non-Utilisation of Green Energy Open Access Capacity in Intra-State Transmission and/ or Distribution System

- a. The Short Term GEOA schedules accepted by the SLDC in advance basis may be cancelled or revised downwards on an application to that effect made to the SLDC by the GEOA customer.

Provided that such cancellation or downward revision of schedules shall not be effective before expiry of a minimum of two (2) days from the date of application. Also the day on which notice for cancellation or downward revision of schedule is served to the SLDC and the day from which such cancellation or downward revision of schedule to be implemented shall be excluded for computing the period of two (2) days.

- b. The Customer seeking for cancellation or downward revision of schedule shall pay the transmission and/or wheeling charges for the first two (2) days of the period for which the cancellation or downward revision of schedule originally approved by the SLDC and thereafter in accordance with the revised schedule prepared by the SLDC during the period of cancellation or downward revision.
- c. In case of cancellation, operating charges specified in these Regulations shall be payable for two (2) days or the period of cancellation, whichever is less.

22 Adjustment of Energy

Priority of adjustment of energy drawl by a Green Energy open access customer from different sources shall be as per the following sequence of reducing priority and shall be implemented for each time block.

- i) Renewable Energy/ Green Energy generation
- ii) Captive Generation Plant
- iii) Banked energy to be settled in defined time block

- iv) Long term Bilateral purchase
- v) Medium Term Green Energy Open Access
- vi) Short Term inter-state Green Energy open access including power exchange transaction
- vii) Short term intra state Green Energy open access
- viii) Distribution licensee

23 Indemnification

- a. The generating companies, distribution licensees, transmission licensees, Green Energy open access customers and other users shall keep SLDC indemnified at all times for anything done by it in good faith in course of discharge of its functions and duties under these procedures in connection with or resulting from or arising out of exercise of SLDC's obligations of scheduling, dispatch, energy accounting, Deviation accounting and settlement system.
- b. The other commercial conditions for transmission charges, wheeling charges and scheduling & system operation charges such as terms of payment, creditworthiness, indemnification and force majeure conditions shall be as provided in the detailed procedure.

24 Redressal Mechanism

- a. All disputes and complaints regarding Green Energy open access shall be first referred to the concerned State Nodal Agency which may endeavour to resolve the grievance within 7 working days.
- b. No application for Green Energy open access shall be denied unless the applicant has been given an opportunity of being heard in the matter and all orders denying GEOA shall be speaking orders by the concerned State Nodal Agency.
- c. If not satisfied by the resolution, the Green Energy Open Access customer can approach Grid Code Management Committee constituted under the State Grid Code within 7 working days from decision of State Nodal Agency. The Committee shall investigate and shall resolve the grievance within 30 days; and if the Committee is unable to redress the grievance, it shall be referred to the Commission by the Committee.
- d. If the Green Energy Open Access Customer is aggrieved or not satisfied with the decision of the Grid Code Management Committee, within 7 working days, he may appeal before the Commission for adjudication of the matter. The Commission shall dispose the Appeal within a period of three months and the order issued by it, shall be binding on the parties.

Provided that such appeal shall be accompanied by a fee as specified in the Assam Electricity Regulatory Commission (Payment of Fees) Regulations, 2024, as amended from time to time.

25 Roles and Responsibilities of SLDC as per AERC (Electricity Grid Code) Regulations, 2024 as amended from time to time

- a. Every licensee, generating company, generating station, sub-station and any other person connected with the operation of the power system shall comply with the directions issued by

the State Load Despatch Centre.

- b. The State Load Despatch Centre may give such directions and exercise such supervision and control as may be required for ensuring the integrated grid operations.
- c. The consumers are required to take necessary action whenever the telemetry system fails to report to SLDC. SLDC shall take necessary action against the defaulting GEOA consumers who failed to conform to the basic requirements, after giving written notice of 7 days to them.
- d. If any licensee, generating company or any other person fails to comply with the directions issued under sub-section (1), he shall be liable to a penalty as per Section 33 sub-section (5) of the Act.

26 Compliance of Grid Code, Distribution Code, Regulations, Orders etc.

Green Energy Open Access customers shall abide by the State Grid Code, Distribution Code and all other Codes and Standards, DSM Regulations and other Regulations and Orders of the Commission/CERC as applicable from time to time.

27 General Provisions

- a. The GEOA applicant shall keep the concerned nodal agency and SLDC/ STU indemnified at all times and shall undertake to indemnify, defend and keep the nodal agency, SLDC/STU harmless from any and all damages, losses, claims and actions including those relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the GEOA transaction.
- b. Any amendment/modification to an existing application, except for reasons specifically mentioned in the procedure, shall be treated as a fresh application.
- c. All costs/expenses/charges associated with the application, including bank draft, bank guarantee etc. shall be borne by the applicant.
- d. Payment of transmission charges, fees and charges for the concerned SLDC, STU and Distribution licensee as well as other charges such as deviation energy charges etc. as applicable shall be made by the applicant as per the Regulations and approved detailed procedure.
- e. The applicant shall abide by the provisions of the Electricity Act, 2003, the Regulations and Indian Electricity Grid Code, State Electricity Grid Code as amended from time to time.
- f. Agreement for eligible short term open access under the Regulations may renew before thirty days prior to expiry of the agreement.
- g. Green Energy Open access customers under an existing agreement/contract shall be entitled to continue to avail such open access on the same terms and conditions, till, expiry of the term of such agreement /contract.
- h. All complaints regarding unfair practices, delays, discrimination, lack of information, supply of wrong information or any other matter related to GEOA in InSTS shall be addressed as per the redressal mechanism.

28 Allotment Priority

The priority for allotment of Green Energy Open Access in intra-State transmission shall be as per clause no. 8 of the AERC (Terms & Conditions for Open Access) Regulations, 2024 amended from time to time.

29 Annexures and Formats

List of Annexures and Formats are listed below:

Sl.No.	Particulars	Annexure/ Format No.
1.	Application Form for Short-Term Green Energy Open Access Consumer	Annexure - I
2.	Application Form for Medium-Term Green Energy Open Access Consumer	Annexure - II
3.	Application Form for Long-Term Green Energy Open Access Consumer	Annexure - III

All other Annexures and Formats to be submitted by Green Energy Open Access consumers may be referred to the Annexure and Formats provided in the Detailed Procedure for Short-Term/ Medium-Term/ Long-Term Open Access.

Annexure-I

APPLICATION FOR GRANT OF SHORT TERM GREEN ENERGY OPEN ACCESS
(to be submitted by the customer to Nodal Agency)

To: NODAL AGENCY,

1	Customer Application No.	< self generated by customer >	Date	
2	Period of Transaction	<1 month and less than 1month/day-ahead/same day>		
3	Nature of Customer*	< seller/buyer/captive user/trader(on behalf of seller/buyer/captive user) >		

4	Customer Name			
5	Registration Code		Valid upto	

Tick relevant boxes

New Registration	Change of registration	Cancel registration
------------------	------------------------	---------------------

Tick relevant boxes

Seller/ Generator	Buyer/ Beneficiary
State Owned Generating Station	Distribution Licensee
IPP	Deemed Distribution Licensee
CPP	Full Open Access Customer
Co-gen	Green Energy Open Access Consumer
NRSE/ Renewable	Embedded OA Consumer
Non-Renewable	Embedded GEOA Consumer

6	Details of Transaction Party's to Grid		
		Injecting Entity	Drawee Entity
	Name of Entity		
	Status of Entity		
	Utility in which it is Embedded		

7	Details of Injecting/Drawee Connectivity with intra-State System		
		Injecting Entity	Drawee Entity
	Name of Sub-station	Transmission	
		Distribution	
	Voltage Level	Transmission	
		Distribution	
	Name of Licensee (Owner of S/S)		
	Intervening intra-State Licensee		
	Intervening inter-State Licensee		

08	Connectivity Details			
	Single line diagram & metering details at injection/ drawl point			
09. Details of Generator				
Name of Generator	Location of Generator (Village, Tal, District)	Total unit-wise Installed Capacity (MW)	COD date & Time	Detail of beneficiary/ drawl point
Type of Generating Units	Type of Fuel used	FGMO Service (Yes/ No)	RGMO Service (Yes/ No)	FGD Compliance (Yes/ No)
10. Metering Details				
	Interface Point	CT Ratio	PT Ratio	MF
Main Meter				
Check Meter				
Standby Meter				
11. Existing Open Access Details (Agreement/ Approval copy enclosed)				
LTA/ MTOA/ STOA Contracted Entity Capacity (MW) Validity				
12. Existing PPA Details other than above (copy enclosed)				
Contracted Entity Capacity (MW) Validity				
13.	Details of Registration Fee (RTGS/ NEFT No.)			
14.	Details of LC/ LM (No. & date)			

15	Green Energy Open Access Sought for (Period from <i>date</i> __ to <i>date</i> ____)				
	Date		Hours		Capacity
	From	To	From	To	MW***

16	Details of PPA/PSA/MoU/TSA/Connection Agreement					
	Name & Address of Parties		Date of PPA/PSA/MoU	Validity Period		Capacity
	Seller	Buyer		Commencement	Expiry	MW****

17	Details of Non-Refundable Application Fee Made				
	Bank Details	Instrument Details			Amount(Rs.)
		Type(Draft/Cash)	Instrument No.	Date	

18	I hereby authorize Nodal Agency to process said application, in case open access capacity allotted, for day-ahead scheduling in accordance with the provisions of intra-State ABT.
19	Declaration
	All Entities/Utilities to transaction shall abide by provisions of the Electricity Act 2003(the Act), AERC (Terms and Conditions for Open Access) Regulations, 2024 and any other relevant regulation/order/ code as amended from time to time.

Place
Date

Signature (with stamp)
Name & Designation

Enclosures

- (1) Non-refundable application fee by Demand draft .
- (2) Self-certified copy of PPA/PSA/MoU entered between the parties (buyer and seller) of transaction stating contracted power, period of transaction, drawal pattern, point(s) of injection and drawal etc.
- (3) Self-certified copies of concurrence of STU and/or transmission licensee and/or distribution licensee. (If period of transaction is of three months and more)
- (4) If any other

Copy to along with relevant enclosures [except (1) & (2)]:

- (1) Officer in charge of transmission substation involved in transaction.
- (2) Officer in charge of distribution substation involved in transaction.
- (3) Any other concerned.

For use of SLDC (with Reference to Enrolment of Application)	
SLDC Reference ID No.	
Nodal SLDC Approval No.	<i>< if approved ></i>
Or Reason of Refusal***** (If Refused)	

*<*****SLDC may also enclose supporting documents for the reasons of refusal duly signed on each page >*

APPLICATION FOR GRANT OF MEDIUM-TERM GREEN ENERGY OPEN ACCESS

(To be submitted by Medium Term Green Energy Open Access Customer)

1. Name the Applicant:
2. Address for Correspondence:
3. **Contact Details:**
 - 3.1. Prime Contact Person :
 - i.Name:
 - ii.Designation:
 - iii. Phone No.:
 - iv. E-mail:
 - 3.2. Alternate Contact Person:
 - i.Name:
 - ii. Designation:
 - iii.Phone No.:
 - iv.E-mail:

4. Nature of the Applicant (Tick the relevant boxes)

Seller/ Generator	Buyer/ Beneficiary
State Owned Generating Station	Distribution Licensee
IPP	Deemed Distribution Licensee
CPP	Full Open Access Customer
Co-gen	Green Energy Open Access Consumer
NRSE/ Renewable	Embedded OA Consumer
Non-Renewable	Embedded GEOA Consumer

5. Details for Medium Term Open Access (MTOA)

- i. Quantum (MW) for which MTOA required:
- ii. Date from which MTOA required:
(not earlier than 5 months and not later than 1year from the last day of the month in which application has been received)
- iii. Date upto which MTOA required:
(3 months to 5 years from the date from which MTOA is required)

- iv. Name (s) of the injecting utility:
 - a) Point(s) of injection of power:
 - b) Quantum:
 - c) Voltage level of Distribution substation:
(Nearest 33/11 kV Substations and Ownership)
 - d) Voltage level of the EHV Substation:
(Nearest EHV Substation and Ownership of EHV substation)
 - v. Name (s) of drawee utility:
 - a) Point(s) of drawl of power:
 - b) Quantum:
 - c) Voltage level of the EHV substation:
(Nearest EHV Substation and Ownership of EHV substation)
 - d) Voltage level of Distribution substation:
(Nearest 33/11 kV Substation and Ownership)
 - vi. Electrical connectivity diagram of the EHV sub-Station/ Distribution substation where the power is to be injected and drawn:
6. Expected date of commencement of Open Access:
7. **In case of surplus power:**
- i. Daily period of transaction:
 - ii. Details of Allocation of power from each Beneficiary/generator:
 - iii. MOU/Agreement of surplus power availability:
8. **In case of Generating Station:**
- i. Name of the promoter:
 - ii. Generation capacity:
 - iii. Location of the Generation plant:
 - iv. COD Date and Time:
 - v. No. of Units & Capacity of each unit:
 - vi. Type of fuel:
 - vii. Base load station or peaking load station:
 - viii. If peaking load, then what is the estimated hours of running:

- ix. If it is a hydro plant, then whether it is –Run of the river/Reservoir/Multipurpose/Pump storage:
 - x. MU generation in a year in case of Hydro plant:
 - xi. Specify the step-up generation Voltage –400 KV or 220 KV or any other voltage:
 - xii. Whether it is an identified project of CEA:
 - xiii. Is it a captive power plant (Yes/No):
If Yes, details of utilization
 - xiv. Status of the Project: Existing/ Extension of existing Project/ New project:
 - xv. Unit wise capacity and commissioning schedule Capacity (MW) Commissioning Schedule
Unit-I :
Unit-II :
Unit-III :
Unit-IV :
 - xvi. Name(s) of the beneficiaries and their allocation of power :
9. Status of various clearances for the generation project :
- i. Land acquisition:
 - ii. Fuel agreement:
 - iii. Environment and forest clearance:
(Consent to establish unit wise rated capacity from state Pollution Control Board)
 - iv. TEC/ PTCC clearance, wherever required:
 - v. Power purchase agreement with beneficiaries:
10. PAN Number issued by Income Tax Department:
11. **Details of Non-Refundable Application Fee:**

Bank Details	Instrument Details			Amount (Rs.)
	Type (Draft/Cash)	Reference No.	Date	

12. Details of Bank Guarantee

Bank Details	Instrument Details			Amount(Rs.)
	Type (Draft/Cash)	Reference No.	Period of validity	

It is hereby certified that the applicant unequivocally confirms to the terms and conditions and has fully understood the guidelines issued for medium term open access. A confirmation to this effect is enclosed as Affidavit in the Detailed Procedure for Long-Term /Medium-Term Open Access for reference.

Authorized Signatory

On Behalf of -Medium Open Access Customer

Name:

Designation:

Seal:

Place:

Date:

Enclosures:

- (1) Receipt of Non-refundable application fee.**
- (2) Copy of Bank guarantee.**
- (3) Self-certified copy of PPA/PSA/MoU entered between the parties (buyer and seller) of transaction stating contracted power, period of transaction, drawal pattern, point(s) of injection and drawal etc.**
- (4) If any other**

**APPLICATION FOR GRANT OF LONG TERM GREEN ENERGY OPEN
ACCESS**

(To be submitted by Long Term Green Energy Open Access Customer)

1. Name of the Long Term Open Access Customer:
2. Address of Correspondence:
3. Contact Address:
 - 3.1. Prime Contact Person :
 - i. Name:
 - ii. Designation:
 - iii. Phone No.:
 - iv. E-mail:
 - 3.2. Alternate Contact Person:
 - i. Name:
 - ii. Designation:
 - iii. Phone No.:
 - iv. E-mail:
4. Tick relevant boxes

Seller/ Generator	Buyer/ Beneficiary
State Owned Generating Station	Distribution Licensee
IPP	Deemed Distribution Licensee
CPP	Full Open Access Customer
Co-gen	Green Energy Open Access Consumer
NRSE/ Renewable	Embedded OA Consumer
Non-Renewable	Embedded GEOA Consumer

5. Details of power transfer requirement:
 - i. Quantum of power to be transmitted (MW):
 - ii. Peak load to be transferred:
 - iii. Average load to be transferred:
 - iv. Name (s) of the injecting utility:
 - a) Point(s) of injection of power:
 - b) Quantum:
 - c) Voltage level of Distribution substation:
(Nearest 33/11 kV Substations and Ownership)
 - d) Voltage level of the EHV Substation

(Nearest EHV Substation and Ownership of EHV substation)

- v. Name (s) of drawee utility:
 - a) Point(s) of drawl of power:
 - b) Quantum:
 - c) Voltage level of the EHV substation:
(Nearest EHV Substation and Ownership of EHV substation)
 - d) Voltage level of Distribution substation:
(Nearest 33/11 kV Substation and Ownership)
 - vi. Electrical connectivity diagram of the EHV sub-Station/ Distribution substation where the power is to be injected and drawn:
6. Expected date of commencement of Open Access:
7. Duration of availing long term Open Access:
8. In case of surplus power:
- i. Daily period of transaction:
 - ii. Details of Allocation of power from each Beneficiary/generator:
 - iii. MOU/Agreement of surplus power availability:
9. In case of Generating Station:
- i. Name of the promoter:
 - ii. Generation capacity:
 - iii. Location of the Generation plant:
 - iv. COD Date and Time:
 - v. No. of Units & Capacity of each unit:
 - vi. Type of fuel:
 - vii. Base load station or peaking load station:
 - viii. If peaking load, then what is the estimated hours of running:
 - ix. If it is a hydro plant, then whether it is –Run of the river/Reservoir/Multipurpose/Pump storage:
 - x. MU generation in an year in case of Hydro plant:
 - xi. Specify the step-up generation Voltage –400 KV or 220 KV or any other voltage:
 - xii. Whether it is an identified project of CEA:
 - xiii. Is it a captive power plant (Yes/No):

If Yes, details of utilization

- xiv. Status of the Project: Existing/ Extension of existing Project/ New project:
- xv. Unit wise capacity and commissioning schedule Capacity (MW) Commissioning Schedule
- Unit-I :
Unit-II :
Unit-III :
Unit-IV :
- xv. Name(s) of the beneficiaries and their allocation of power :

10. Status of various clearances for the generation project :

- i. Land acquisition:
ii. Fuel agreement:
iii. Environment and forest clearance:
(Consent to establish unit wise rated capacity from state Pollution Control Board)
iv. TEC/ PTCC clearance, wherever required:
v. Power purchase agreement with beneficiaries:

11. PAN Number issued by Income Tax Department:

12. **Details of Non-Refundable Application Fee:**

Bank Details	Instrument Details			Amount (Rs.)
	Type (Draft/Cash)	Reference No.	Date	

13. **Details of Bank Guarantee**

Bank Details	Instrument Details			Amount(Rs.)
	Type (Draft/Cash)	Reference No.	Period of validity	

It is hereby certified that the applicant unequivocally confirms to the terms and conditions and has fully understood the guidelines issued for long term open access. A confirmation to this effect is enclosed as Affidavit in the Detailed Procedure for Long-Term /Medium-Term Open Access for reference.

Authorized Signatory

On Behalf of Long-Term Open Access Customer

Name:

Designation:

Seal:

Place:

Date:

Enclosures:

- (1) Receipt of Non-refundable application fee.**
- (2) Copy of Bank guarantee.**
- (3) Self-certified copy of PPA/PSA/MoU entered between the parties (buyer and seller) of transaction stating contracted power, period of transaction, drawal pattern, point(s) of injection and drawal etc.**
- (4) If any other**