A Detailed Procedure for
"Deviation Settlement Mechanism and Related Matters"

In accordance with

Assam Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations' 2024 and its corrigendum.

Approved by

The Assam Electricity Regulatory Commission

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1. **Outline**: This detailed procedure is framed in accordance with Assam Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2024 and its corrigendum (hereinafter referred to as the Regulation(s)). All State Entities shall abide by the provisions of the Regulations and its detailed procedure. In case of any inconsistency in the provisions of this procedure with the Act/Rules/Regulations framed under the Act, the provisions of the Act/Rules/Regulations shall prevail.

2. Definitions and Interpretations:

i. **"Act"** means the Electricity Act, 2003(36 of 2003);

ii. **"Actual drawal"** in a time-block means electricity drawn by a buyer, as the case may be, measured by the interface meters;

iii. **"Actual injection"** in a time-block means electricity generated or supplied by the seller, as the case may be, measured by the interface meters;

iv. **"Ancillary Services"** means the Ancillary Services as defined in the AERC (Ancillary Services) Regulations, 2024, as amended from time to time;

v. "**Ancillary Services Regulations"** means the Assam Electricity Regulatory Commission (Ancillary Services) Regulations, 2024, as amended from time to time and shall include any re-enactment thereof;

vi. **"Area Clearing Price (ACP)"** means the price of a time block electricity contract established on the Power Exchange after considering all valid purchase and sale bids in particular area(s) after market splitting, i.e. dividing the market across constrained transmission corridor(s);

vii. **"Available Capacity" (or "AvC")** for generating station based on wind or solar or hybrid of wind solar resources, is the cumulative capacity rating of wind turbines or solar inverters that are capable of generating power in a given time block;

viii. **"Buyer"** means a licensee or consumer or captive user or company 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

AERC Regulations;

ix. **"Central Commission"** means the Central Electricity Regulatory Commission constituted under sub-section (1) of section 76 of the Act;

x. **"Commission"** means the Assam Electricity Regulatory Commission constituted under sub-section (1) of section 82 of the Act;

xi. **"Contracted Load" or "Contract Demand"** means the maximum demand in KVA, agreed to be supplied by the licensee, and indicated in the agreement executed between the licensee and the consumer. In case, no agreement is made, the connected load will be provisionally treated as contract load, till the Agreement is made.

xii. **"Contract rate''** means(i) in respect of a WS seller or a MSW Seller or such other entity as applicable, whose tariff is determined or adopted or approved under Section 62 or Section 63 or Section 86(1)(b) of the Act, Rs/kWh tariff as determined or adopted or approved by the Appropriate Commission; or (ii) in respect of a WS seller or a MSW Seller or such other entity as applicable, whose tariff is not determined or adopted or approved under Section 62 or Section 63 or Section 86(1)(b) of the Act, and selling power through power exchange(s), the price as discovered in the Power Exchange for the respective transaction; or (iii) in case of captive consumption of a captive generating plant based on renewable energy sources, the weighted average ACP of the Integrated- Day Ahead Market segments of all Power Exchanges for the respective time block; (iv) in case of multiple contracts or transactions including captive consumption, the weighted average of the contract rates of all such contracts or transactions, as the case may be;

xiii. **"Control Area"** shall mean the same as defined in the State Grid Code;

xiv. **"Day Ahead Market (DAM)"** means a market where physical delivery of electricity occurs on the next day (T+1) of the date of transaction (T) and is governed by the Central Electricity Regulatory Commission (Power Market) Regulations, 2010 (as amended from time to time), the Rules and Bye-Laws of the Power Exchanges as approved by the Appropriate Commission;

xv. **"De-Pooling"** means the disaggregation and apportionment of the deviations and the applicable charges among the Generators at a Pooling Sub-Station;

xvi. **"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, and shall be computed as per Regulation 7of the regulations;

xvii. **"Deviation Settlement Mechanism"** shall mean and include Computation of Deviation, Charges of Deviation, Accounting of Charges for Deviation payable and receivable by State Entities and other design parameters as specified under Regulation 7,8,9 and 11 of the Regulations;

xviii. **"DISCOM"** means the Assam Power Distribution Company Ltd (APDCL) or any other Distribution company in the State of Assam;

xix. **"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 Open Access, 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;

xx. **"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;

xxi. **"General seller"** means a seller in case of a generating station based on other than wind or solar or hybrid of wind-solar resources;

xxii. **"Grid Code"** (or "Assam Electricity Regulatory Commission (Electricity Grid Code) Regulations" or "AEGC" or "State Grid Code") means the Grid Code notified by the Commission under clause (h) of sub-section (1) of section 86 of the Act;

xxiii. **"Indian Electricity Grid Code"** (or "IEGC") means the Grid Code specified by the Central Electricity Regulatory Commission under Section 79(1)(h) of the Act;

xxiv. **"Integrated Day Ahead Market"** means a market where Day Ahead Contracts are transacted on the power exchanges, including collective transactions under Day Ahead Market (DAM), Green Day Ahead Market (Green DAM), and High Price Day Ahead Market (HP-DAM);

xxv. "**Interface meters"** means interface meters as defined by the Central Electricity Authority under the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006, as amended from time to time;

xxvi. **"Load Despatch Centre"** means National Load Despatch Centre (NLDC), Regional Load Despatch Centre (RLDC) or State Load Despatch Centre (SLDC), as the case may be, responsible for coordinating scheduling of the Buyers and the Sellers in accordance with the provisions of the State Grid Code;

xxvii. **"MSW seller"** means a seller in the case of a generating station based on Municipal Solid Waste and includes Refuse Derived Fuel (RDF) based MSW generating station;

xxviii. **"Normal Rate of Charges for Deviation (NR)"** means the charges for deviation (in paise/kWh) as referred to in Regulation 8 of the regulations;

xxix. **"Open Access Regulations"** means the Assam Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations 2024 and shall include any subsequent amendment thereof;

xxx. **"Open Access Consumer"** includes full (as defined in 2.s) and embedded (as defined in 2.r) open access consumers or in case of open access source being generator through Dedicated Transmission Line /internal network to its installations;

xxxi. **"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 Open Access Regulations;

xxxii. **"Pooling Station"** means the sub-station where pooling of generation of individual wind generators or solar generators is done for interfacing with the next higher voltage level:

Provided that where there is no separate pooling station for a REGS/RHGS connected through a common feeder and terminated at the sub-station of distribution company/STU/CTU, the sub-station of distribution company/STU/CTU shall be considered as the pooling station for such REGS/RHGS, as the case may be;

xxxiii. **"Qualified Coordinating Agency"** or **"QCA"** means the lead generator or any authorized agency on behalf of REGS (Renewable Energy Generating Station) or RHGS (Renewable Hybrid Generating Station) (as defined in AEGC, 2024) including Energy Storage Systems connected to one or more pooling station(s) for coordinating with concerned load despatch centre for scheduling, operational coordination and deviation settlement. QCA shall have the following purposes:

- Provide schedules with periodic revisions as per this regulation on behalf of all the Wind/Solar Generators connected to the pooling station(s),
- Responsible for metering, data collection / transmission, communication, coordination with DISCOMS, SLDC and other agencies.
- Undertake commercial settlement of all charges on behalf of the generators, including payments to the pool accounts through the concerned SLDC.
- Undertake de-pooling of payments received on behalf of the generators from the State Deviation and Ancillary Services Pool Account and settling them with the individual generators
- Undertake commercial settlement of any other charges on behalf of the generators as may be mandated from time to time.

xxxiv. **"Regional Entity"** means a person whose metering and energy accounting are done at the regional level by the Regional Load Despatch Centre;

xxxv. **"Renewable Rich"** or **"RE-rich"** means when the State of Assam has a combined installed capacity of solar and wind generating stations under the control area of the State is 1000 MW or more but less than 5000 MW;

xxxvi. **"Renewable Super Rich"** or **"RE Super-rich"** means when the State of Assam has a combined installed capacity of solar and wind generating stations under the control area of the State is 5000 MW or more;

xxxvii. **"Reference Charge Rate"** or **"RR"** means (i) in respect of a general seller whose tariff is determined or adopted or approved under Section 62 or Section 63 or Section 86(1)(b) of the Act, Rs/kWh energy charge as determined or adopted or approved by

the Appropriate Commission, or (ii) in respect of a general seller whose tariff is not determined or adopted or approved under Section 62 or Section 63 or Section 86(1)(b) of the Act, and selling power through power exchange(s), the price as discovered in the power exchange for the respective transaction; or (iii) in case of captive consumption of a captive generating plant based on resources other than renewable energy sources, the weighted average ACP of the Integrated-Day Ahead Market segments of all the Power Exchanges for the respective time block; or (iv) in case of multiple contracts or transactions including captive consumption, the weighted average of the reference rates of all such contracts or transactions;

xxxviii. **"Run-of-River Generating Station"** or **"RoR generating station"** means a hydro generating station which does not have upstream pondage;

xxxix. "**Scheduled generation"** or **"Scheduled injection"** for a time block or any period means the schedule of generation or injection in MW or MWh ex-bus, including the schedule for Ancillary Services given by the concerned Load Despatch Centre;

xl. **"Scheduled drawal"** for a time block or any period means the schedule of drawal in MW or MWh ex-bus, including the schedule for Ancillary Services given by the Load Despatch Centre;

xli. **"Seller"** means a person, including a generating station, supplying electricity through a transaction scheduled in accordance with the regulations applicable for short-term open access, medium-term open access and long-term open access;

xlii. **"State Deviation and Ancillary Services Pool Account"** means the State Account maintained by the State Load Despatch Centre for receipts and payments on account of deviations by Buyers and Sellers;

xliii. **"State Entity"** means such person who is in the SLDC control area and whose metering and energy accounting is done at the State level;

xliv. **"Time-Block"** means a time block of15 minutes or any such shorter duration as may be notified by the Commission, for which specified electrical parameters and quantities are recorded by special energy meter, with first time block starting at00.00 hours;

xlv. **"WS seller"** means a seller in the case of a generating station based on wind or solar or a hybrid of wind-solar resources and shall include such solar or wind or hybrid generating station, with or without storage.

Save as aforesaid and unless repugnant to the context or the subject-matter otherwise requires, words and expressions used in the Regulations and not defined, but defined in the Act, or the Grid Code or any other regulations of the Assam Electricity Regulatory Commission shall have the meaning assigned to them respectively in the Act or the Grid Code or any other regulation as the case may be.

3. Applicability:

These Regulations shall apply to the transactions of conveyance of electricity through short- term open access or medium-term open access or long-term open access using intra-State transmission system or distribution system of electricity (including inter-state wheeling of power), subject to following conditions:

a) Deviation Settlement Mechanism under these Regulations shall be applicable for all Seller(s) including Generators, Captive Generators, REGS, RHGS, etc. connected to Intra-state Transmission system.

b) Deviation Settlement Mechanism under these Regulations shall be applicable for all Buyer(s) including Distribution Licensee(s), Deemed Distribution Licensee(s) connected within the State.

4. Roles and Responsibilities:

I. State Entities:

a) The State Entities shall register with SLDC by payment of registration fees as per relevant AERC MYT Regulations.

b) The State Entities shall inform the SLDC of all contracts that it has entered into for exchange of energy.

c) The State Entities shall operate their equipment and loads in a manner that is consistent with the provisions of the Assam Electricity Regulatory Commission (Electricity Grid Code) Regulations, 2024 as amended from time to time.

d) The State entities shall have to declare their schedule as per the AERC (Assam

Electricity Grid Code) Regulations, 2024 and its amendments and the AERC Terms and Conditions for Open Access) Regulations, 2024 amended from time to time.

e) Necessary connection agreement/open access agreement to be made by State Entities as per AERC (Terms and Conditions for Open Access) Regulations, 2024, AERC (Grant of Connectivity to the Intra State Transmission System) Regulations'2025 and AERC (Electricity Grid Code) Regulations' 2024 with the concerned transmission licensee or distribution licensee which shall specify the physical and operational requirements for a reliable operation and gain physical access and connection to the Intra-state transmission system (InSTS) or for use of distribution system, as the case maybe.

f) Installation, operation and maintenance of interface meters along with establishment of telemetry (both AMR and real-time) shall be the responsibility of the state entities and as per Transmission Metering Code of AEGC 2024 and the AERC (Terms & Conditions for Open Access) Regulations'2024 and respective amendments thereof.

g) For the purpose of Grid security and safety, the State Entities shall comply with the instructions of the System Operator in normal condition as well as during emergencies.

h) The State Entities shall coordinate and cooperate with SLDC for timely payment of Deviation Charges raised by SLDC into the State Deviation and Ancillary Services Pool Account.

i) In addition, the state entities shall carry out the responsibilities mentioned in the AERC (Assam Electricity Grid Code) Regulations' 2024.

II) State Load Despatch Centre (SLDC):

SLDC is responsible to carry out the following activities:

a) Provide registration/de-registration of State Entities through web-based portal.

b) Scheduling of State Entities through web-based portal as per the regulations and Grid Code issued by the Commission along with day-to-day communication, coordination with State Entities.

c) SLDC shall take all decisions regarding the MW despatch of generating stations after evaluating all the possible network parameters, constraints, congestions in the transmission network. In the event of any network aberration, the instructions issued by the SLDC relating to despatch and drawal shall be binding on all State entities.

d) Intimation of Grid Constraints and curtailments, if any on real time basis.

e) Energy Accounting of State Entities as per AERC Regulations.

f) Mechanism for monitoring deviations in Scheduled & Actual generation/drawal for calculation of Deviations Charges, for each of the State Entities.

g) SLDC shall prepare and issue the Energy Account Statement (for declared Available Capacity, Scheduled & Actual Injection and scheduled & actual drawal) in line with the State Grid Code and AERC (Terms & Conditions for Open Access) Regulations'2024, along with DSM accounts in respect of each State Entities and maintain a record of the same.

h) All commercial transactions w.r.t. receipt/payment of deviation (DSM) charges from/to State Entities shall be done through the State Deviation and Ancillary Services Pool Account maintained by SLDC.

i) In addition, the SLDC shall carry out the responsibilities mentioned in the AERC (Assam Electricity Grid Code) Regulations' 2024.

5. Methodology to calculate Deviation:

I. Declaration of Schedule both by Sellers and Buyers who are not Embedded OA consumers.

a. The scheduling period shall comprise of 96-time blocks, each of 15-minute duration starting from 00:00 hrs (IST) ending with 24:00 hrs (IST). The first-time block of scheduling period shall commence from 00:00 hrs (IST) to 00:15 hrs (IST), second time block of scheduling period shall commence from 00:15 hrs (IST) to 00:30 hrs (IST) and soon or other period as the Commission may stipulate.

b. All entities shall submit their schedules as per Chapter 8, Schedule and Despatch Code of AERC (Electricity Grid Code) Regulations'2024 and amendments thereof.

c. The sellers/buyers shall submit their schedule as per available in Chapter "Annexures and Formats."

d. In case no schedule or improper schedule or schedule not in line with this procedure is submitted by the sellers or buyers, then SLDC will consider it as zero schedule. The quantum as such drawn from the grid or injected into the grid will be considered as deviation against zero schedule and will be treated under DSM.

e. This implemented schedule which will be generated at the end of 24:00 hrs of the day after integrating all the revisions will be used in deviation accounting.

f. The procedures pertaining to Ancillary Services shall be prepared as and when relevant Regulations is published.

g. Full OA Customers who have been granted NOC for drawal of power under open access arrangement shall have to declare their schedule daily, as long as the NOC is valid.

h. The submission of schedules in the SAMAST Module shall be as per the relevant SAMAST User Manual made available in the SLDC Open Access Module.

II. Declaration of Schedule both by Embedded OA consumers

a) The scheduling period shall comprise of 96-time blocks, each of 15-minute duration starting from 00:00 hrs (IST) ending with 24:00 hrs (IST). The first-time block of scheduling period shall commence from 00:00 hrs (IST) to 00:15 hrs (IST), second time block of scheduling period shall commence from 00:15 hrs (IST) to 00:30 hrs (IST) and soon or other period as the Commission may stipulate.

b) The embedded consumers shall also have to declare their schedule by 07:30 AM of 'D-1' day, showing the drawal from the DISCOM and through open access, separately to the SLDC and DISCOM (as per available in Chapter "Annexures and Formats").

c) In case no schedule or improper schedule or schedule not in line with this procedure is submitted by the sellers or buyers, then SLDC will consider it as zero schedule. The quantum as such drawn from the grid or injected into the grid will be considered as deviation against zero schedule and will be treated under DSM.

d) This implemented schedule which will be generated at the end of 24:00 hrs of the day after integrating all the revisions will be used in deviation accounting.

e) Consumers who have been granted NOC for drawal of power under open access arrangement shall have to declare their schedule daily, as long as the NOC is valid.

f) The OA consumers are not allowed to revise their APDCL drawal schedule. However, the open access drawal details shall be incorporated into the schedule as received from the power exchanges after being cleared.

g) The submission of schedules in the SAMAST Module shall be as per the relevant SAMAST User Manual made available in the SLDC Open Access Module.

h) SLDC will ensure that the drawal from DISCOM and open access by embedded consumer does not exceed the contract demand.

III. Acquisition of Meter Data

It is the responsibility of the state entities to establish telemetry (both AMR and real-

time) as per protocol with SLDC. The meter data reporting to SLDC through Automatic Meter Reading (AMR) facility will give the 15- minute time block wise actual import and export of the respective entities. SLDC shall extract the requisite actual data from the AMR system for use in Deviation Accounting.

IV. Deviation Accounting

1) Deviation in a time block for general sellers shall be computed as follows:

Deviation-general seller *(D_{GS})* (in MWh) = [(Actual injection in MWh) – (Scheduled generation in MWh)].

Deviation-general seller *(D_{GS})* (in %) = 100 x [(Actual injection in MWh) – (Scheduled generation in MWh)] / [(Scheduled generation in MWh)].

2) Deviation in a time block for WS sellers shall be computed as follows:

i. For the period from the date of commencement of these regulations to31.03.2026

Deviation-WS seller (D_{WS}) (in MWh) = [(Actual Injection in MWh) – (Scheduled generation in MWh)];

Deviation-WS seller (D_{WS}) (in %) = 100 x [(Actual Injection in MWh)– (Scheduled generation in MWh)] / [(Available Capacity)];

ii. For the period from 01.04.2026 onwards

Deviation-WS seller (*D_{WS}*) (in MWh) = [(Actual Injection in MWh) – (Scheduled generation in MWh)];

Deviation-WS seller (*D_{WS}*) (in %) = 100 x [(Actual Injection in MWh) – (Scheduled generation in MWh)] / [(X% of Available Capacity) + (100-X) % of Scheduled Generation):

Provided 'X' shall be as stipulated by the Commission.

3) Deviation in a time block for buyers shall be computed as follows:

a. For buyers, other than Embedded Open Access Consumers:

Deviation-buyer *(D_{BUY})* (in MWh) = [(Actual drawal in MWh) - (Scheduled drawal in MWh)].

Deviation-buyer *(D_{BUY})* (in %) = 100 x [(Actual drawal in MWh) – (Scheduled drawal in MWh)] / [(Scheduled drawal in MWh)].

b. For buyers, who are Embedded Open Access Consumers:
Deviation-buyer *(D_{BUY})* (in MWh) = [(Actual drawal in MWh)- (Contracted Load in

MWh)].

Deviation-buyer (D_{BUY}) (in %) = 100 x [(Actual drawal in MWh) – (Contracted Load in MWh)] / [(Contracted Load in MWh)]

There shall be no payable/receivable upto Contract Demand.

6. Charges for deviation

i. The AERC (Deviation Settlement Mechanism and Related Matters) Regulations'2024 Clause 9.1 to 9.6 (available in Annexures and Formats) shall be followed for calculation of deviation charges for the following category of **sellers**:
   a. General seller other than RoR generating station or a generating station based on municipal solid waste or WS seller.
   b. General Seller being an RoR generating station.
   c. General Seller being a generating station based on municipal solid waste.
   d. WS Seller.
   e. Standalone Energy Storage.
   f. WS Seller with ESS connected.

ii. The AERC (Deviation Settlement Mechanism and Related Matters) Regulations'2024 Clause9.7 shall be followed for calculation of deviation charges for **buyers**.

iii. The AERC (Deviation Settlement Mechanism and Related Matters) Regulations'2024 Clause 9.8 shall be followed for calculation of deviation charges for **injection of infirm power**.

iv. The AERC (Deviation Settlement Mechanism and Related Matters) Regulations'2024 Clause 9.9 shall be followed for calculation of deviation charges for drawal of startup power.

v. In case of forced outage or partial outage of a seller, the charges for deviation shall be @ reference charge rate for a maximum duration of eight time blocks or until the revision of its schedule, whichever is earlier.

vi. For a Seller whose bids are cleared in the HP-DAM, the 'reference charge rate' for deviation by way of 'under-injection' for the quantum of power sold through HP-DAM shall be equal to the weighted average ACP of the HP-DAM Market segments of all the Power Exchanges for that time block.

vii. Normal rate of Charges for deviation: Annexure IV will be followed for methodology

for computation and declaration of normal rate of deviation. This is in line with the methodology issued by NERLDC and the changes in calculation methodology, as and when issued by the NERLDC shall be applicable.

7. Preparation of Deviation Settlement Accounts

i. The Deviation accounting shall be undertaken on the basis of the data recorded by the Interface Meters, capable of recording the energy in 15-minute time blocks or less. Automated Meter Reading (AMR) system shall be used for communicating data/ remote downloading of data at the SLDC. Internal clock of the interface meter shall be time synchronized with GPS.

ii. The SLDC shall, by 24:00 hours of next Tuesday, prepare and publish on its website the records of the Deviation Accounts for the previous week; ending on penultimate Sunday mid night, specifying the block wise quantum of deviation (over-drawal/under-drawal) and the charges payable by the consumer.

iii. The master SEM frequency data for the accounting period will be made available in the SLDC website.

iv. The State Entities shall communicate any discrepancies to SLDC within10 days of issue of accounts, which shall be corrected forthwith by SLDC, if required, within7 days from date of receipt of such discrepancy.

v. The discrepancies reported after 10 days shall not be considered by SLDC and in such case, the account prepared by SLDC shall be final. If SLDC does not accept any discrepancy raised by the State Entity, SLDC shall reply to the entity within 7 days of raising of such discrepancy with the reasons. The process chart pertaining to time lines for accounting by SLDC is available in "Annexures and Formats."

8. Commercial Settlement and Schedule of payment of DSM Charges

i. The Deviation and Ancillary Services Pool Account shall receive credit and shall be charged as per Clause11.3of the AERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024.

ii. All payments on account of Charges for Deviation levied under the AERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024 and interest, if any, received for late payment shall be credited to the funds called the "State Deviation and Ancillary Services Pool Account", which shall be maintained and operated by the

SLDC in accordance with the provisions of the Regulations.

iii. The State Deviation Pool Account shall be reconciled once in three months. All the transactions with these accounts will be done through electronic payment such as RTGS/NEFT or other modes of online payment transactions.

iv. The State Entities shall comply with statutory requirements of payment of applicable statutory levies, including but not limited to Goods and Service Tax (GST), Tax deduction at source (TDS).

v. The payment of Charges for Deviation shall have a high priority and the concerned State Entity shall pay the indicated amount within 10 days of the issue of statement by the SLDC.

vi. If payment against Charges for Deviation is delayed by more than two days, i.e. beyond 10 days from the date of issue of the statement by the SLDC, the defaulting State Entity shall pay simple Interest @ 0.04% for each day of delay.

vii. All Payment to the State Entities entitled to receive any amount on account of Charges for Deviation shall be made within three working days of the receipt of payments from paying State Entities in the "State Deviation and Ancillary Services Pool Account."

viii. In case of delay in the payment of Charges for Deviations, the State entities receiving payment for Deviation or Interest there on shall be paid from the balance available in the State Deviation and Ancillary Services Pool Account. In case the balance available is not sufficient to meet the payment to the state Entities, the payment from the Pool Accounts shall be made on pro rata basis from the balance available in the Pool Account.

ix. The short fall in funds in the State Deviation and Ancillary Services Pool Account; if any, at the end of the weekly settlement period shall be recovered by levy of additional charge from the State Entities in proportion to Net Deviation Charges payable by concerned State Entity for the applicable weekly settlement period through supplementary bills.

x. The liability to pay Interest for the delay in payments to the "State Deviation and Ancillary Services Pool Account" shall remain till Interest is paid, irrespective of the fact that State Entities who have to receive payments, have been paid from the "State Deviation and Ancillary Services Pool Account" in part or full.

xi. In case, State Entity fails to make payment against Charges for Deviation including for consecutive three (3) weeks bills, the concerned State Entity shall not be scheduled by

SLDC and SLDC shall approach the Grid Code Management Committee with detailed report.

xii. The surplus funds in the State Deviation and Ancillary Services Pool Account at the end of the financial year shall be utilised for the purpose of improvements in power system operations as envisaged in the AERC (DSM and related matters) Regulations'2024.

9. Payment Security Mechanism

i. All the State entities which had at any time during the previous financial year failed to make payment of Charges of Deviation within the time specified in this Detailed Procedure shall be required to open a Letter of Credit (LC) equal to 110% of its average payable weekly liability for deviations in the previous financial year, in favour of the SLDC within a fortnight from the start of the current financial year.

ii. The LC amount shall be increased to 110% of the payable weekly liability for Deviation in any week during the year, if it exceeds the previous LC amount by more than 50%.

iii. In case of failure to pay into the State Deviation and Ancillary Services Pool Account within the specified time of 10 days from the date of issue of statement of charges for Deviations, the SLDC shall be entitled to encash the LC of the concerned constituent to the extent of the default and the concerned constituent shall recoup the LC amount within 3 days.

10. Compliance Monitoring

In the Event of breach or default of procedure and consequences thereof shall be as under:

I. Following events shall constitute breach by the State Entities:

a) Non-payment or delay in payment of Deviation/Additional Deviation Charges.

b) Non-compliance of any of the terms & conditions/rules outlined under this procedure.

c) Non-compliance of any of the directive issued by SLDC or AERC.

d) Obtaining registration on the basis of false information or by suppressing material information.

e) In case Available/ Declared Capacity is intentionally and repeatedly mis-declared by any seller.

f) Non-availability of real time data continuously for three (3) days without justified reason.

g) Non-availability of meter data for calculation of charges due to reasons attributable to

respective State Entity.

h) Non-payment of DSM charges to State Deviation Pool Account by the State Entity for consecutive three (3) weeks.

i) Non-opening of required LC towards Payment Security Mechanism.

II. Consequences for event of default:

a) In case of any default of the above provisions the SLDC shall issue notice regarding action to be taken by the State Entity within a stipulated time frame.

b) In case the entity fails to take corrective measures within the stipulated time, the SLDC
may take a decision as per the powers vested with it under the Act/Regulations (e.g. deny scheduling of power) and simultaneously report the matter to the Commission.

11. Grievance Redressal:

i. All disputes and complaints regarding DSM shall be first referred to the concerned State Nodal Agency which may endeavour to resolve the grievance within 7 working days.

ii. If not satisfied by the resolution, the user 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.

iii. If the user 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.

12. General:

i) All costs/expenses/charges associated with the application, including bank charges/ affidavits, etc. shall be borne by the applicant.

ii) The State Entities shall abide by the provisions of the Electricity Act, IEGC, State Grid Code, applicable CERC and AERC Regulations, as amended from time to time.

iii) This Detailed Procedure has been prepared in line with prevalent regulations and

central procedures. The procedure aims to streamline and facilitate the process of scheduling, despatch, Accounting of Settlement of deviations of buyers and sellers. However, if any problem is encountered, in order to resolve the same, SLDC/GCMC may review the procedure and suggest for revision of the same to the Commission. If any modification is required for removing difficulties, the same shall be done with prior approval of the Commission.

13. Annexures and Formats

List of Annexures and Formats are listed below:

Sl. No.	Particulars	Annexure/Format No.
1.	Schedule Generation declaration format for seller	Annexure-I
2.	Schedule Drawal declaration format for embedded OA buyer	Annexure-II
3.	Schedule Drawal declaration format for full OA buyer	Annexure-III
4.	Methodology for computation of normal charges for deviation	Annexure-IV
5.	Flowchart-timelines for DSM accounting by SLDC	Annexure-V
6.	Charges for Deviation	Annexure-VI
7.	User Manual for Energy Scheduling of SLDC (As per requirement, the User Manual may be modified from time to time)	Annexure-VII

SCHEDULE GENERATION DECLARATION FORMAT(ANNEXURE-I)							
NAME OF GENERATOR/SELLER:							
DATE OF ISSUE OF SCHEDULE:							
SCHEDULE FOR DATE:							
REVISION NO.:							
TIME			**UNIT1**	**UNIT2**	**UNIT 3**	**TOTAL**	**Ex- bus Generation**
Block	**From**	**To**					
No.	Hrs.	Hrs.	Schedule (MW)	Schedule (MW)	Schedule (MW)	Schedule (MW)	Total Schedule (MW)
1	00:00	00:15					
2	00:15	00:30					
3	00:30	00:45					
4	00:45	01:00					
92	22:45	23:00					
93	23:00	23:15					
94	23:15	23:30					
95	23:30	23:45					
96	23:45	24:00					

SCHEDULE DRAWAL DECLARATION FORMAT (ANNEXURE-II)								
NAME OF EMBEDDED OA CONSUMER:								
DATE OF ISSUE OF SCHEDULE:								
SCHEDULE FOR DATE:								
REVISION NO.:								
TIME			OASCHEDULE			APDCL SCHEDULE	DRAWAL FROM CAPTIVE GENERATOR (IF ANY)	Total Schedule (MW)
Block No.	From Hrs	To Hrs	DAM	RTM	GDAM			
1	00:00	00:15						
2	00:15	00:30						
3	00:30	00:45						
4	00:45	01:00						
5	01:00	01:15						
6	01:15	01:30						
7	01:30	01:45						
92	22:45	23:00						
93	23:00	23:15						
94	23:15	23:30						
95	23:30	23:45						
96	23:45	24:00						

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SCHEDULE DRAWAL DECLARATION FORMAT (ANNEXURE-III)							
NAME OF FULL OA CONSUMER:							
DATE OF ISSUE OF SCHEDULE:							
SCHEDULE FOR DATE:							
REVISION NO.:							
TIME			OA SCHEDULE			OTHER SOURCES (NAME & QUANTUM)	TOTAL SCHEDULE
BLOCK No.	FROM Hrs.	TO Hrs.	DAM	RTM	GDAM		
1	00:00	00:15					
2	00:15	00:30					
3	00:30	00:45					
4	00:45	01:00					

Annexure-IV

Methodology for computation & declaration of Normal Rate in line with AERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024

1. Background

AERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024 (herein after referred to as "DSM Regulations") was notified on **18th December 2024**. The date of implementation has been notified as 01.04.2025 by the AERC.

This regulation provides for declaration of Normal Rate of charges for deviation which, as per the DSM Regulations, is applicable for deviation in a time block.

The methodology to be adopted for computation of normal rate of charges for deviation is summarized below.

Normal Rate of Charges for Deviation
The normal rate of charges for deviation for a time block shall be equal to the highest of: i. The weighted average Area clearing price **(**ACP)(in paise/kWh) of the Integrated-Day Ahead (I-DAM) Market segments of all the Power Exchanges; ii. The weighted average ACP (in paise/kWh) of the Real Time Market **(**RTM) segments of all the Power Exchanges; iii. The sum of: **a)** 1/3[Weighted average ACP (in paise/kWh) of the Integrated-Day Ahead Market segments of all the Power Exchanges]; **b)** 1/3 [Weighted average ACP (in paise/kWh) of the Real-Time Market segments of all the Power Exchanges]; and **c)** 1/3 [Ancillary Service Charge (in paise/kWh) computed based on the total quantum of Ancillary Services (SRAS UP and TRAS UP) deployed and the net charges payable to the Ancillary Service Providers for all the Regions]: Provided that in case of non-availability of ACP for any time block on a given day, ACP for the corresponding time block of the last available day shall be considered.

The normal rate of charges (in paisa /Kwh) for deviation shall be rounded off to the nearest two decimal places. The various terms and conditions in this document shall have the same meaning as defined in the CERC Deviation Settlement Mechanism Regulations, 2024 or any other regulation of the Hon'ble CERC.

2. Procedure for calculating the normal rate of charges:

The weighted average ACP of the Day Ahead Market (DAM, G-DAM & HP-DAM) and Real Time Market (RTM) shall be calculated area wise considering all Power Exchanges.

In case of non-availability of ACP in any Power Exchange for an Area for a time block, if ACP is discovered in other Power Exchanges/Exchange, the available discovered ACP shall be considered for computing the weighted average ACP for that time block.

In case of non-availability of ACP for any time block on a given day in all the Power Exchanges, the last available ACP for the corresponding time block shall be considered. The non-availability of ACP shall only be considered for those time blocks where the market has not cleared.

The weighted average ACP of the Integrated-Day Ahead Market segments of all the Power Exchanges shall be computed as follows.
The weighted average ACP of the Integrated-Day Ahead Market segments shall be computed by considering the block wise, area wise price and cleared volume for Day Ahead Market (DAM) and Green Day Ahead Market (GDAM) & High-Price Day Ahead Market (HP-DAM) segments in all the operational Power Exchanges.
For a given time block, the following methodology shall be used for computation of the weighted average ACP in Day Ahead Market for sample Area say A1.

DAM	
Volume IEX(Buy+Sell)=$A1_{DAM\_IEX}$	Price IEX= $P1_{DAM\_IEX}$
Volume PXIL(Buy+Sell)=$A1_{DAM\_PXIL}$	Price PXIL=$P1_{DAM\_PXIL}$
Volume HPX(Buy+Sell)=$A1_{DAM\_HPX}$	Price HPX=$P1_{DAM\_HPX}$
GDAM	
Volume IEX(Buy+Sell)=$A1_{GDAM\text{-}IEX}$	Price IEX=$P1_{GDAM\text{-}IEX}$
Volume PXIL(Buy+Sell)=$A1_{GDAM\text{-}PXIL}$	Price PXIL=$P1_{GDAM\text{-}PXIL}$
Volume HPX(Buy+Sell)=$A1_{GDAM\text{-}HPX}$	Price HPX=$P1_{GDAM\text{-}HPX}$
HP-DAM	
Volume IEX(Buy+Sell)=$A1_{HP\text{-}IEX}$	Price IEX=$P1_{HP\text{-}IEX}$
Volume PXIL(Buy+Sell)=$A1_{HP\text{-}PXIL}$	Price IEX=$P1_{HP\text{-}PXIL}$
Volume HPX(Buy+Sell)=$A1_{HP\text{-}HPX}$	Price HPX=$P1_{HP\text{-}HPX}$

Table1:Volume in kWh and Price in paisa/kWh
Buy and sell volumes are considered as absolute values.

Weighted Average ACP of Integrated Day Ahead Market segments (I-DAM) (in paise/kWh)=

$$\frac{[(A1_{DAM\_IEX}*P1_{DAM\_IEX})+(A1_{DAM\_PXIL}*P1_{DAM\_PXIL})+(A1_{DAM\_HPX}*P1_{DAM\_HPX})+(A1_{GDAM\text{-}IEX}*P1_{GDAM\text{-}IEX})+(A1_{GDAMPXIL}*P1_{GDAM\text{-}PXIL})+(A1_{GDAM\text{-}HPX}*P1_{GDAM\text{-}HPX})+(A1_{HP\text{-}IEX}*P1_{HP\text{-}IEX})+(A1_{HP\text{-}PXIL}*P1_{HP\text{-}PXIL})+(A1_{HP\text{-}HPX}*P1_{HP\text{-}HPX})]}{[A1_{DAM\_IEX}+A1_{DAM\_PXIL}+A1_{DAM\_HPX}+A1_{GDAM\text{-}IEX}+A1_{GDAM\text{-}PXIL}+A1_{GDAM\text{-}HPX}+A1_{HP\text{-}IEX}+A1_{HP\text{-}PXIL}+A1_{HP\text{-}HPX}]}$$

The weighted average ACP of the RTM segment of all the Power Exchanges shall be computed as follows.

The weighted average ACP of the Real Time Market (RTM) segment of all the Power Exchanges shallbe computed by considering the blockwise, areawise price and volume of RTM in all the operational Power Exchanges.

In case of non-availability of ACP for any time block on a given day in all Power Exchanges, ACP for the corresponding time block of the last available day shall be considered. The non-availability of ACP shall only be considered for those time blocks where the market has not cleared. Incase price declared is zero by the Power Exchanges, the same shall be considered.

For a given time block,the following methodology shall be used for computation of the weighted average ACP for Real Time Market for a sample Area A1

RTM	
Volume IEX(Buy+Sell)=$A1_{RTM\_IEX}$	Price IEX= $P2_{RTM\_IEX}$
Volume PXIL(Buy+Sell)=$A1_{RTM\_PXIL}$	Price PXIL=$P2_{RTM\_PXIL}$
Volume HPX(Buy+Sell)=$A1_{RTM\_HPX}$	Price HPX=$P2_{RTM\_HPX}$

Table 2: Volume in Kwh and Price in paisa/Kwh
Buy and sell volumes are considered in absolute values.

Weighted Average ACP of RTM in (in paise/kWh)=

$$\frac{[(\boldsymbol{A1_{RTM\_IEX}}*\boldsymbol{P2_{RTM\_IEX}})+(\boldsymbol{A1_{RTM\_PXIL}}*\boldsymbol{P2_{RTM\_PXIL}})+(\boldsymbol{A1_{RTM\_HPX}}*\boldsymbol{P2_{RTM\_HPX}})]}{[(\boldsymbol{A1_{RTM\_IEX}})+(\boldsymbol{A1_{RTM\_PXIL}})+(\boldsymbol{A1_{RTM\_HPX}})]}$$

Ancillary Service Charge shall be computed as follows.
The weighted average Ancillary Service Charge of all the regions for a given that time block shall be computed by duly considering the TRAS (RegulationUp) and SRAS (Up) despatched on all India basis.

The following methodology shall be used for computation for a sample time block:

TRAS_Up(Rs)=TRAS_Market(Rs)+TRAS_SD(Rs)+TRAS_ED(Rs)+SCUC_Up(Rs)

Where,

TRAS_Up (Rs)=Total cost of TRAS_UP dispatch in Rs.

TRAS_Market (Rs)= Total cost of TRAS_UP dispatch through Procurement of TRAS in Rs.

TRAS_SD(Rs)=Total cost of generators despatched under TRASUp in shortfall category in Rs.

TRAS_ED(Rs)=Total cost of generators despatched under TRASUp in emergency category in Rs.

SCUC_UP(Rs)=Total cost of generators despatched under SCUC UP in a time block where the same generators alsogot scheduled under TRAS Shortfall UP category in Rs.

TRAS_market(Rs)=TRAS_MD

Where,

TRAS_MD=Cost for generator in Rs cleared in DAM/RTM segments for TRAS and got full or partial despatched.

$TRAS\_MD=\sum^{n}_{i=1}1000*VDi*MCP_{DAM}+\sum^{n}_{i=1}1000*VRi*MCP_{RTM}$

(for all generators cleared as well as despatched fully or partially under TRAS_UP in DAM and RTM market segments)
Where,

V_{Di}=Energy in (MWh) despatched under TRAS_market in DAM for Generator i.

V_{Ri}=Energy in (MWh) despatched under TRAS_market in RTM for Generator i.(where.i=1to n)

n= Number of generators

MCP=Market clearing price

$TRAS\_SD(Rs)=\sum^{n}_{i=1}1000*V_{si}*1.1*ECR_i$
Where,

TRAS_SD(Rs)=Total cost of generators in Rs despatched under TRAS_shortfall (Up)category.

V_{si}=Energy in MWh despatched under TRAS_shortfall category for Generator i.
ECR_i= variable cost of the ith Generator (in Rs/kWh)

n=total number of generators (i varies from 1 to n).

TRAS_ED=$\sum_{i=1}^{n}$ 1000$*V_{ei}$*Comp$_i$

TRAS_ED(Rs)=Total cost of generators despatched under TRAS_Emergency Up)

$V_{ei=}$ Energy (MWh) despatched under TRAS_Emergency for Generator i.
Comp$_i$= compensation charge of generator i (inRs/kWh)
n=total number of generators (i varies from 1to n).

SCUC_Up(Rs)=$\sum^{n}_{i=1}$1000*V_{si}*ECR$_i$

SCUC_UP(Rs)=Total cost of generators despatched under SCUC UP in a block where the same generators also got scheduled under TRAS-Shortfall category.

V_{si} =Energy(MWh) despatched under SCUC UP for Generator (i) and which also got despatched under TRAS shortfall in same time block.
ECR$_i$ =variable cost of the ith Generator (inRs/kWh)
n = total number of generators (i varies from 1 to n).

Sample calculation for a block with SRAS Despatch-

SRAS_Up(Rs)=SRAS_Des+SRAS_I

Where,
SRAS_Des(Rs)=Charges payable for SRAS_UP dispatch in Rs

SRAS_I(Rs)= Charges for SRAS incentive (Up) in Rs

SRAS_Des(Rs)=$\sum_{i=1}^{n}$ **1000***V_{si}*ECRi

$V_{si=}$Volume despatched (in MWh) under SRAS for ith generator.
ECR=energy charge or the compensation charge applicable for generator i.
n= total number of generators (i varies from 1 to n).

(SRAS_I (in Rs)=$\sum_{i=1}^{n}$**1000***V_{si}*Inc$_i$(.....i=1ton)

$V_{si=}$5 minute energy despatched (in MWh) under SRAS for generator i.

Inc$_{i=}$Incentives applicable for Generator i as per CERC regulations **for SRASUp**.
n=total number of generators (i varies from 1 to n).

*As per the CERC approved procedure for SRAS, performance would be measured on a daily basis to arrive at the Incentive Rate which would be used for computing the incentive for the block for the station.

Ancillary Services Charge (AS)(inRs):=[TRAS_UP+SRAS_Up]

If [TRAS_Up Volume (Shortfall+ Market + Emergency +SCUC UP) + SRAS_UpVolume (despatched for the 15min time block **]>0**
Ancillary Service Charge of All India (in paise/kWh)=

$$\frac{100*AS}{[\textbf{TRAS\_Up Volume(Shortfall+Marketdespatched+Emergency+SCUC UP)+SRAS\_Up Volume (despatched for the 15min time block*1000]}}$$

Else, Ancillary Service Charge**=0**

For Example:

i)the weighted average Area clearing price (ACP) (inpaise/kWh) of the Integrated-Day Ahead (I-DAM) Market segments of all the Power Exchanges= 6 Rs/Kwh
ii)the weighted average ACP (in paise/kWh) of the Real Time Market (RTM)segments of all the Power Exchanges =9Rs/Kwh
iii) The sum of:(2+3+0=5Rs/Kwh) **a)** 1/3[Weighted average ACP (in paise/kWh) of the Integrated-Day Ahead Market segments of all the Power Exchanges]; = 6/3= 2 Rs/Kwh **b)** 1/3[WeightedaverageACP(inpaise/kWh) of the Real-Time Market segments of all the Power Exchanges]; 9/3= 3 Rs/Kwh **c)** 1/3 [Ancillary Service Charge (in paise/kWh) computed based on the total quantum of Ancillary Services (SRAS UP and TRAS UP) deployed and the net charges payable to the Ancillary Service Providers for all the Regions]:= 0 Rs/Kwh If [TRAS_Up Volume (Shortfall + Market + Emergency + SCUC UP)+ SRAS_Up Volume (despatched for the 15min time block]<=0
Normal rate will be: 9 Rs/Kwh

3. Procedure for calculating the reference charge rate for deviation by way of 'under-injection' for Seller whose bid is cleared in the HP-DAM:

The weighted average ACP of the HP-DAM Market of all the Power Exchanges shall be computed as follows.

In case of non-availability of ACP in any Power Exchange for an Area for a time block, if ACP is discovered in other exchange(s), the discovered ACP shall be considered for computing the weighted average ACP for that time block.

In case of non-availability of ACP for any time block on a given day in all Power Exchanges, the same shall be considered zero.

If a generator has participated in HP-DAM and other market segments eg. DAM/RTM etc, then the reference charge rate applicable for such generators will be the weighted average ACP ofthe HP-DAM Market segments of all the Power Exchanges for that time block

The weighted average ACP of the HP-DAM of all the Power Exchanges shall be computed as follows.

For a given time block, the following methodology shall be used for computation of the weighted average ACP in Day Ahead Market for sample Area A1.

HP-DAM	
Volume IEX(Buy+Sell)=$A1_{HP\text{-}IEX}$	Price IEX=$P1_{HP\text{-}IEX}$
Volume PXIL(Buy+Sell)=$A1_{HP\text{-}PXIL}$	Price PXIL=$P1_{HP\text{-}PXIL}$
Volume HPX(Buy+Sell)=$A1_{HP\text{-}HPX}$	Price HPX=$P1_{HP\text{-}HPX}$

Table3: Volume in kWh and Price in paisa/kWh
Buy and sell volumes are considered in absolute values.

Weighted Average ACP of HP-DAM (in paisa/kWh) =

$$\frac{[(A1_{HP\text{-}IEX}*P1_{HP\text{-}IEX})+(A1_{HP\text{-}PXIL}*P1_{HP\text{-}PXIL})+(A1_{HP\text{-}HPX}*P1_{HP\text{-}HPX})]}{[A1_{HP\text{-}IEX}+ A1_{HP\text{-}PXIL}+ A1_{HP\text{-}HPX}]}$$

4. Normal rate of charges for deviation for inter-regional deviation and cross-border:

Inter-regional corridors are interconnected through different bid areas and neighboring countries are also connected to different bid areas in India. To simplify the settlement of inter-regional and cross- border deviations, the highest of the

i. Weighted average All India Market clearing price (MCP) (in paise / kWh) of the Integrated -Day Ahead Market segments of all the Power Exchanges.

ii. Weighted average All India Market clearing price (MCP) (in paise/kWh) of the Real Time Market (RTM) of all the Power Exchanges.

iii. The sum of:

1/3 [Weighted average All India Market clearing price (MCP) (in paise/kWh) of the Integrated-Day Ahead Market segments of all the Power Exchanges];

1/3 [Weighted average All India Market clearing price (MCP) (in paise/kWh) of the Real-Time Market segments of all the Power Exchanges]; and

1/3 [Ancillary Service Charge (in paise/kWh) computed based on the total quantum of Ancillary Services (SRASUP and TRASUP) deployed and the net charges payable to the Ancillary Service Providers for all the Regions]:

The inter-regional deviation caused by way of over drawal or under drawal or over injection or under-injection shall be computed notionally at normal rate of charges for deviation.

Normal rate of charge for Inter regional and cross border deviation shall be published by NLDC.

In case of non-availability of MCP for any time block on a given day in all Power Exchanges, the last available MCP for the corresponding time block shall be considered.

The following shall be used for computation for weighted average All India MCP of I-DAM for a sample time block:

DAM	
Volume IEX(Buy+Sell)=V_{IEX}	MCP IEX=P_{IEX}
Volume PXIL(Buy+Sell)=V_{PXIL}	MCP PXIL=P_{PXIL}
Volume HPX(Buy+Sell)=V_{HPX}	MCP HPX=P_{HPX}

G DAM	
Volume IEX(Buy+Sell)=$V_{G\text{-}IEX}$	MCP IEX=$P_{G\text{-}IEX}$
VolumePXIL(Buy+Sell)=$V_{G\text{-}PXIL}$	MCP PXIL=$P_{G\text{-}PXIL}$
Volume HPX(Buy+Sell)=$V_{G\text{-}HPX}$	MCP HPX=$P_{G\text{-}HPX}$
HP DAM	
Volume IEX(Buy+Sell)=$V_{H\text{-}IEX}$	MCP IEX=$P_{H\text{-}IEX}$
VolumePXIL(Buy+Sell)=$V_{H\text{-}PXIL}$	MCP PXIL=$P_{H\text{-}PXIL}$
Volume HPX(Buy+Sell)=$V_{H\text{-}HPX}$	MCP HPX=$P_{H\text{-}HPX}$

Table 4: All India Volume in kWh and Price in paisa/kWh
Buy and sell volumes are considered in absolute values.

Weighted average MCP of I-DAM (inpaise/kWh)=

$$\frac{[(V_{IEX}*P_{IEX})+(V_{PXIL}*P_{PXIL})+(V_{HPX}*P_{HPX})+(V_{G\text{-}IEX}*P_{G\text{-}IEX})+(V_{G\text{-}PXIL}*P_{G\text{-}PXIL})+(V_{G\text{-}HPX}*P_{G\text{-}HPX}))]+(V_{G\text{-}PXIL}*P_{G\text{-}PXIL})+(V_{H\text{-}HPX}*P_{H\text{-}HPX}]}{[V_{IEX}+ V_{PXIL}+V_{HPX}+ V_{G\text{-}IEX}+ V_{G\text{-}PXIL}+ V_{G\text{-}HPX+}V_{H\text{-}IEX}+ V_{H\text{-}PXIL}+ V_{H\text{-}HPX})]}$$

ThefollowingshallbeusedforcomputationforweightedaverageMCPofRTMforatimeblock

RTM	
Volume IEX(Buy+Sell)=V_{IEX}	Price IEX=P_{IEX}
Volume PXIL(Buy+Sell)=V_{PXIL}	Price PXIL=P_{PXIL}
Volume HPX(Buy+Sell)=V_{HPX}	Price HPX=P_{HPX}

Table5: Volume in KwH and Price in paisa/KwH
Buy and sell volumes are considered in absolute values.

Weighted average MCP of RTM (paise/unit) =

$$\frac{\mathbf{[(V_{IEX}*P_{IEX})+(V_{PXIL}*P_{PXIL})+(V_{HPX}*P_{HPX})\ [V_{IEX}+ V_{PXIL}+V_{HPX}]}}{}$$

Ancillary Service Charge shall be computed as defined in 2.6.

5. Validity of the procedure:

This procedure shall be effective from the date of approval of this detailed procedureunless otherwise specified bythe Hon'ble Commission. The procedure shall be reviewed in case of any regulatory changes or based on the experience gained.

6. Timeline for publication of normal rate of charges for deviation:

SLDC shall publish the normal rate of charges for deviation on a weekly basis. By Thursday of the current week the applicable normal rate for the previous week (Monday to Sunday) shall be published by SLDC on its website.

Normal rate of charges shall not be revised after declaration as per the timeline above. No post facto revision in the DSM account would be carried out due to any revision of normal rate of charges for deviation or contract rate or reference charge rate already used for DSM computation.

ANNEXURE-V

SLDC to fetch weekly meter data through AMR system starting from Monday 00:00 Hrs. to Sunday 24:00 Hrs.	Every Thursday by 00:00 Hrs. for the previous week
SLDC to process Meter data, Final Schedules & declared Capacity and prepare State Entity wise Statement of Scheduled & Actual Energy and Weekly DSM accounts and upload the same for verification of State Entities.	Every next Tuesdayby24:00 Hrs. (subject to uploading of master SEM frequency data on NERPC/ NERLDC/NLDC website)
State Entities to intimate discrepancies if any, to SLDC	Within (10) days from Uploading of Statement/ account
SLDC to verify discrepancies reported and upload revised Statement/ Account	Within (7) days from receipt
State Entities to make payment of weekly DSM charges into the "State Deviation and Ancillary Services Pool Account" within 10 days from the date of issue of the account/statement by SLDC and SLDC to pay the State Entities entitled to receive deviation amount within three working days of the receipt of payments in the " State Deviation and Ancillary Services Pool Account ", in accordance with the regulations and detailed procedure.	If payment against Charges for Deviation including Additional Charges for Deviationisdelayedbeyond10days from the date of issue of the account/ statement by the SLDC, the defaulting State Entity shall pay a simple Interest 0.04% for each day of delay.

ANNEXURE-VI

9. Charges for Deviation

1. Charges for Deviation, in respect of a **general seller <u>other than</u> an RoR generating station or a generating station based on municipal solid waste or WS seller** shall be as under:

<u>TABLE 1: Deviation Charges for general seller other than an RoR generating station or a generating station based on municipal solid waste or WS seller</u>

Deviation by way of over injection (Receivable by the Seller)	**Deviation by way of under injection (Payable by the Seller)**
(I) **For Deviation up to [10% D_{GS} or 100 MW, whichever is less] and *f* within *f band***	
(i) @ RR when [49.97 Hz ≤ f ≤50.03 Hz]	(iv) @ RR when [49.97 Hz ≤ f ≤50.03 Hz]
(ii) When [50.03 Hz < *f* ≤50.05 Hz], for every increase in *f* by 0.01 Hz, charges for deviation for such seller shall be reduced by 25% of RR so that charges for deviation become 50% of RR when *f* = 50.05Hz	(v) When [50.03 Hz < *f* ≤50.05 Hz], for every increase in *f* by 0.01 Hz, charges for deviation for such seller shall be reduced by 7.5% of RR so that charges for deviation become 85% of RR when *f* = 50.05Hz
(iii) When [49.97 Hz > f ≥ 49.90 Hz], for every decrease in *f* by 0.01 Hz, charges for deviation for such seller shall be increased by 2.15% of RR so that charges for deviation become 115.05% of RR when *f* = 49.90Hz	(vi) When [49.97 Hz > f ≥ 49.90 Hz], for every decrease in *f* by 0.01 Hz, charges for deviation for such seller shall be increased by 7.15% of RR so that charges for deviation becomes 150.05% of RR when *f* = 49.90Hz
(II) **For Deviation up to [10% D_{GS} or 100 MW, whichever is less] and *f* <u>outside</u> *f band***	
(i) @ zero when [50.05 Hz < f < 50.10 Hz]: Provided that such seller shall pay @ 10% of RR when [f ≥ 50.10 Hz]	(iii) @ 85 % of RR when [f > 50.05 Hz]
(ii) @ 115 % of RR when [f < 49.90 Hz]	(iv) @ 150 % of RR when [f < 49.90 Hz]
(III) **For Deviation beyond [10% D_{GS} or 100 MW, whichever is less] and *f* within and outside *f band***	
(i) @ zero when (***f*** < 50.10 Hz): Provided that such seller shall pay @ 10% of RR when [f ≥ 50.10 Hz]	(ii) @ RR when [f ≥ 50.00 Hz]; (iii) @ 150% of RR when [49.90Hz ≤ f < 50.00 Hz]; and (iv) @ 200% of RR when [f < 49.90 Hz]

Note: System frequency = *f* and f_{band} = [49.90Hz ≤ *f* ≤50.05 Hz]

2. Charges for Deviation, in respect of a **general seller being an RoR generating station,** shall be **without any linkage to grid frequency**, as under:

TABLE 2: Deviation Charges for general seller being an RoR generating station

Deviation by way of over injection (Receivable by the Seller)	**Deviation by way of under injection (Payable by the Seller)**
(i) @ RR for deviation up to [*15% D_{GS} or 150 MW, whichever is less*]; (ii) @ Zero for deviation beyond [*15% D_{GS} or 150 MW, whichever is less*]	(iii) @ RR for deviation up to [*15% D_{GS} or 150 MW, whichever is less*]; (iv) @ 105% of RR for deviation beyond [*15% D_{GS} or 150 MW, whichever is less]* and up to [*20% D_{GS} or 200 MW, whichever is less*]; (v) @ 110% of RR for deviation beyond [*20% D_{GS} or 200 MW, whichever is less*].

3. Charges for Deviation, in respect of a **general seller being a generating station based on municipal solid waste,** shall be without any linkage to grid frequency, as under:

TABLE 3: Deviation Charges for general seller being a generating station based on municipal solid waste

Deviation by way of over injection (Receivable by the Seller)	**Deviation by way of under injection (Payable by the Seller)**
(i) @ contract rate for deviation up to [20% D_{GS}]; (ii) @ Zero for deviation beyond [20% D_{GS}];	(iii) @ contract rate for deviation up to [20% D_{GS}]; (iv) @ 110% of contract rate for deviation beyond [20% D_{GS}].

4. Charges for Deviation, in respect of **a WS Seller,** including such generating stations aggregated at a pooling station through QCA shall be without any linkage to grid frequency, as under:

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TABLE 4: Deviation Charges for WS Seller

Deviation by way of over injection (Receivable by the Seller)	**Deviation by way of under injection (Payable by the Seller)**
(i) for $VL_{WS}(1)$ @ contract rate; (ii) for $VL_{WS}(2)$ @ 90% of contract rate (iii) beyond $VL_{WS}(2)$ @ Zero;	(iv) for $VL_{WS}(1)$ @ contract rate; (v) for $VL_{WS}(2)$ @ 110% of contract rate; (vi) beyond $VL_{WS}(2)$ @ 200% of contract rate.

E

Note-1: Volume Limits for WS Seller (VL_{WS}) :

(i) Volume limits of a WS Seller for the period from **the date of commencement of these regulations to 31.03.2026** shall be as under:

WS Seller	**Volume Limit**
A generating station based on solar or a hybrid of wind –solar resources	$VL_{WS}(1)$ = Deviation up to 10% D_{WS} $VL_{WS}(2)$ = Deviation beyond 10% D_{WS} and up to 15% D_{WS}
A generating station based on wind resource	$VL_{WS}(1)$ = Deviation up to 15% D_{WS}
	$VL_{WS}(2)$ = Deviation beyond 15% D_{WS} and up to 20% D_{WS}

(ii) Volume limits of a WS Seller for the period **from 01.04.2026 onwards**:

WS Seller	**Volume Limit**
A generating station based on solar or a hybrid of wind –solar resources	$VL_{WS}(1)$ = Deviation up to 5% D_{WS} $VL_{WS}(2)$ = Deviation beyond 5% D_{WS} and up to 10% D_{WS}
A generating station based on wind resource	$VL_{WS}(1)$ = Deviation up to 10% D_{WS}
	$VL_{WS}(2)$ = Deviation beyond 10% D_{WS} and up to 15% D_{WS}

Note-2: In case of aggregation of WS sellers at a pooling station through QCA,

a. The contract rate for the purpose of deviation shall be equal to the weighted average of the contract rates of all individual WS seller(s) opting for aggregation at the pooling station;

b. Available Capacity shall be equal to the cumulative capacity rating of wind turbines or solar inverters that are capable of generating power in a given time block;

c. Depooling of deviation charges for WS seller(s) connected to the pooling station shall be as per the methodology mutually agreed upon between the QCA and such individual WS seller(s).

5. Charges for Deviation, in respect of a **Standalone Energy Storage System (ESS)**, shall same as applicable to a **general seller (<u>other than</u> an RoR generating station and a generating station based on municipal solid waste)** as specified in Clause (9) Subclause (1) of this Regulation:

   Provided that in the charging mode, deviation by way of over drawal shall be treated as under injection and deviation by way of under drawal shall be treated as over injection and the charges for deviation shall be settled accordingly:

   Provided further that the charges for deviation including the formula for computation of Deviation, in respect of charging of a standalone ESS being pumped hydro storage plant shall be the same as applicable to a WS seller being a generating station based on solar resources, for the period from **the date of commencement of these regulations** to 31.03.2026.

6. Charges for Deviation including the formula for computation of Deviation, in respect of a **WS Seller with ESS connected** at the same interconnection point shall be the same (i) as applicable to a WS seller of respective category during the period solar or wind or hybrid generating station is injecting power as per Clause (9) sub-clause (4) of this Regulation, (ii) as applicable to a standalone ESS as per Clause (9) sub-clause (5) of this Regulation, when only ESS is injecting power, and (iii) as applicable to a standalone ESS for drawl by ESS based on drawal schedule from the grid as per Clause (9) sub-clause (5) of this Regulation.

Note :

Each generator and ESS shall be metered with Special Energy Meter (SEM) so that individual actual injection/drawal can be captured.

7. Charges for Deviation, in respect of **a Buyer,** shall be receivable or payable as under:

<u>TABLE 5: Deviation Charges for Buyer</u>

Deviation by way of under drawal (Receivable by the Buyer)	**Deviation by way of over drawal (Payable by the Buyer)**
(I) **For VL_B (1) and f within f_{band}**	
i) @ 90% of NR when f =50.00 Hz;	iv) @ NR when f =50.00 Hz;
ii) When 50.00 Hz < f ≤50.05 Hz , for every increase in f by 0.01 Hz, charges for deviation for such buyer shall be further decreased by 8% of NR so that charges for deviation become 50% of NR when f = 50.05Hz;	v) When 50.00< f ≤50.05 Hz , for every increase in f by 0.01 Hz, charges for deviation for such buyer shall be reduced by 5% of NR so that charges for deviation become 75% of NR when f = 50.05Hz;

iii) When 50.00 Hz > f ≥ 49.90 Hz, for every decrease in *f* by 0.01 Hz, charges for deviation for such buyer shall be increased by 1 % of NR so that charges for deviation become 100% of NR when *f* = 49.90Hz;	vi) When 50.00 Hz > f ≥ 49.90 Hz, for every decrease in *f* by 0.01 Hz, charges for deviation for such buyer shall be increased by 5% of NR so that charges for deviation become 150% of NR when *f* = 49.90Hz.
(II) **For VL_B (1) and *f outside f* band**	
(i) @ zero when [50.05 Hz < *f* < 50.10 Hz]: Provided that such buyer shall pay @ 10% of NR when [*f* ≥ 50.10 Hz];	(iii) @ 50% of NR when [50.05 Hz < *f* < 50.10 Hz]: (iv) @ zero when [*f* ≥ 50.10 Hz];
(ii) @ NR when [*f* < 49.90 Hz];	(v) @ 150 % of NR when [*f* < 49.90 Hz].
(III) **For VL_B (2) and *f within* and outside *f* band**	
(i)@ 80% of NR when *f* ≤ 50.00 Hz; (ii) @ 50% NR when [50.00 Hz < *f* ≤ 50.05 Hz]; (iii) @ zero when [50.05 Hz < *f* < 50.10 Hz]: Provided that such buyer shall pay @ 10% of NR when [*f* ≥ 50.10 Hz];	(iv) @ 150% of NR when *f* < 50.00 Hz; (v) @ NR when [50.00 Hz ≤ f ≤ 50.05 Hz]; (vi) @ 75% NR when [50.05 Hz < *f* < 50.10 Hz]; (vii) @ zero when [*f* ≥ 50.10 Hz].
(IV) **For VL_B (3) and *f within* and outside *f* band**	
(i) @ zero when *f* < 50.10 Hz: Provided such buyer shall pay @ 10% of NR when [*f* ≥ 50.10 Hz];	(ii) @ 200% of NR when *f* <50.00 Hz; (iii) @ NR when [50.00≤*f* < 50.10 Hz]. (iv)@ 50% of NR when [*f* ≥ 50.10 Hz].

Note: Volume Limits for Buyer :

Buyer	**Volume Limit**
Buyer other than (the buyer with a schedule less than 400 MW and the state is RE-rich State)	VL_B (1) = Deviation up to [10% D_{BUY} or 100 MW, whichever is less]
	VL_B (2) = Deviation [beyond 10% D_{BUY} or 100 MW, whichever is less] and up to [15% D_{BUY} or 200 MW, whichever is less]
	VL_B (3) = Deviation beyond [15% D_{BUY} or 200 MW, whichever is less]

Buyer (with a schedule up to 400 MW)	$VL_B(1)$ = Deviation [20% D_{BUY} or 40 MW, whichever is less]
	$VL_B(2)$ = Deviation beyond [20% D_{BUY} or 40 MW, whichever is less]
Buyer (when the State is RE Rich)	$VL_B(1)$ = Deviation up to 200 MW
	$VL_B(2)$ = Deviation beyond 200 MW and up to 300 MW
	$VL_B(3)$ = Deviation beyond 300 MW
Buyer (when the State is Super RE Rich)	$VL_B(1)$ = Deviation up to 250 MW
	$VL_B(2)$ = Deviation beyond 250 MW and up to 350 MW
	$VL_B(3)$= Deviation beyond 350 MW

8. The charges for deviation for injection of infirm power shall be zero:

   Provided that upon such infirm power is scheduled after trial run as specified in the State Grid Code, the charges for deviation for such power shall be as applicable for a general seller or WS seller, as the case may be.

9. The charges for deviation for drawal of start-up power before the COD of a generating unit or for drawal of power to run the auxiliaries during the shut-down of a generating station shall be payable at the reference charge rate or contract rate or in the absence of reference charge rate or contract rate, the weighted average ACP of the Day Ahead Market segments of all Power Exchanges for the respective time block, as the case may be.

10. Notwithstanding anything contained in Clauses (1) to (9) of this Regulation, in case of forced outage or partial outage of a seller, the charges for deviation shall be @ the reference charge rate for a maximum duration of eight time blocks or until the revision of its schedule, whichever is earlier.

11. For a Seller whose bids are cleared in the HP-DAM, the 'reference charge rate' for deviation by way of 'under-injection' for the quantum of power sold through HP- DAM shall be equal to the weighted average ACP of the HP-DAM Market segments of all the Power Exchanges for that time block;
12. In case of a State having net injection at the regional periphery, the deviation charges for such State shall be as applicable to a buyer.

ANNEXURE VII

User Manual Document

SAMAST FOR SLDC(ASSAM) ENERGY SCHEDULING

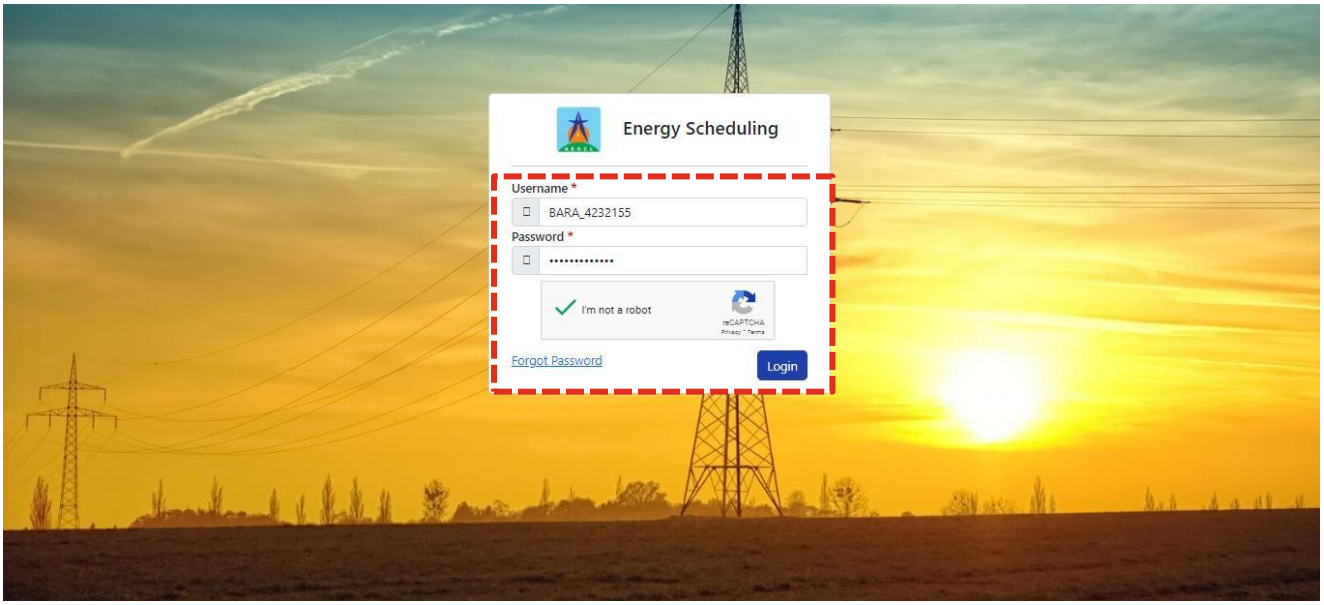
User Manual for Open Access Consumers

Date:14-03-2023
Version:#1

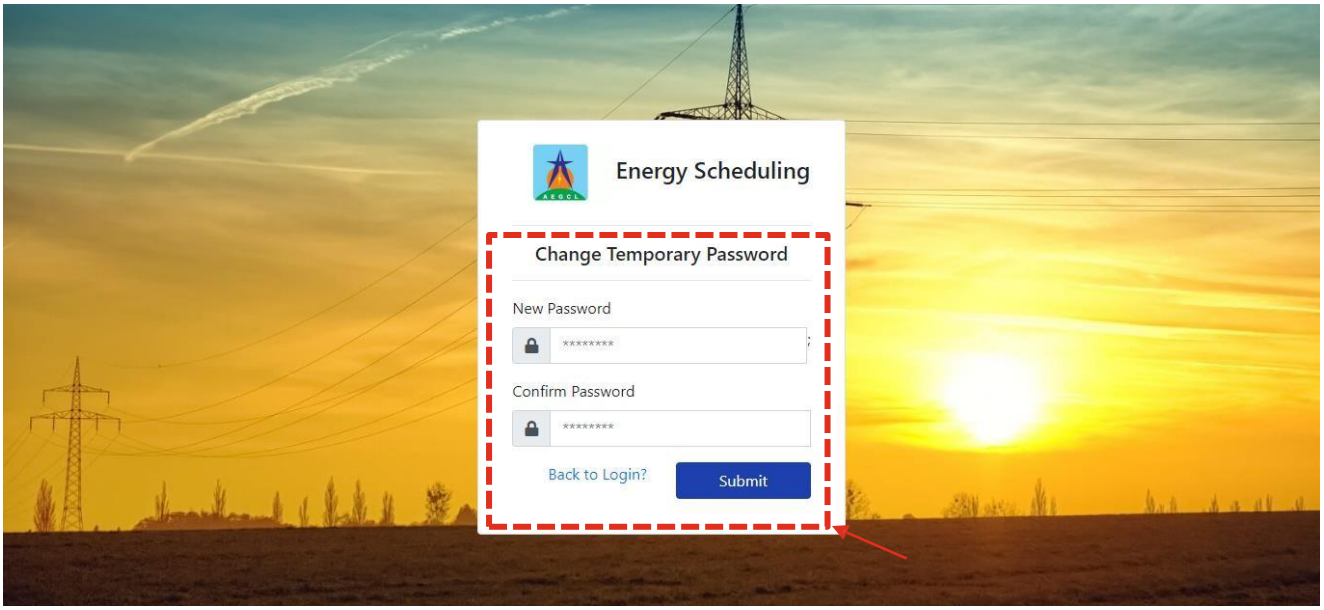
Table of Contents

1. User login

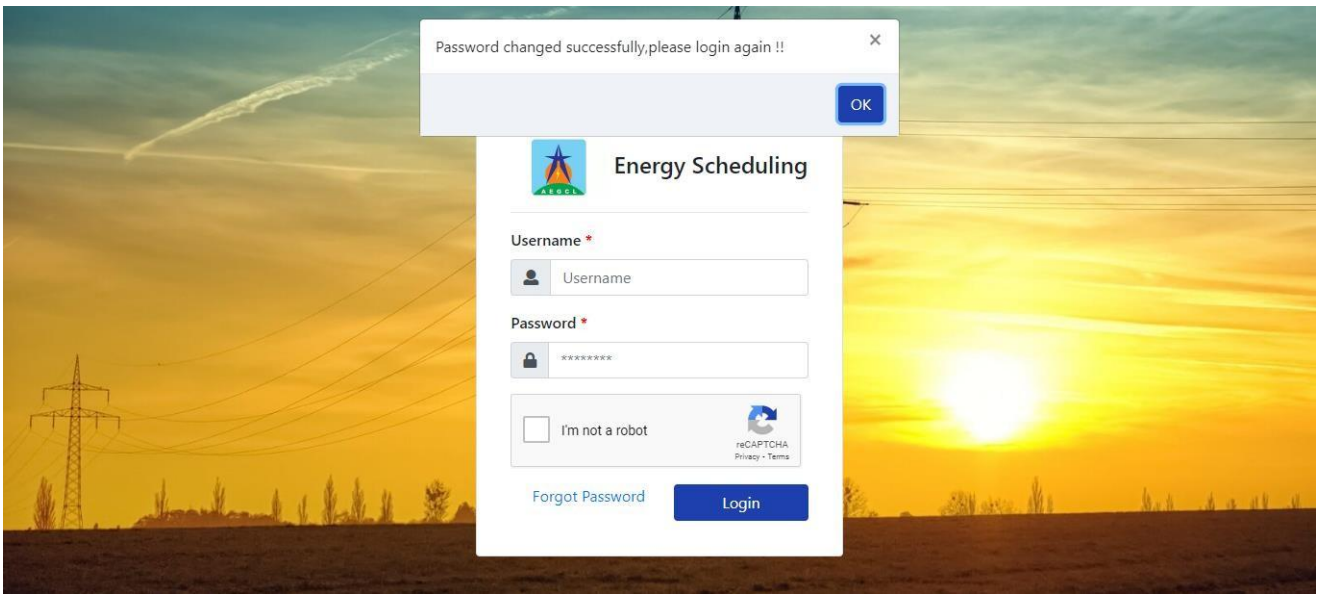
1. User to open the “EnergySchedulingModule”
2. User to login with the verification code received on registered email after creation of the credentials by the system administrator



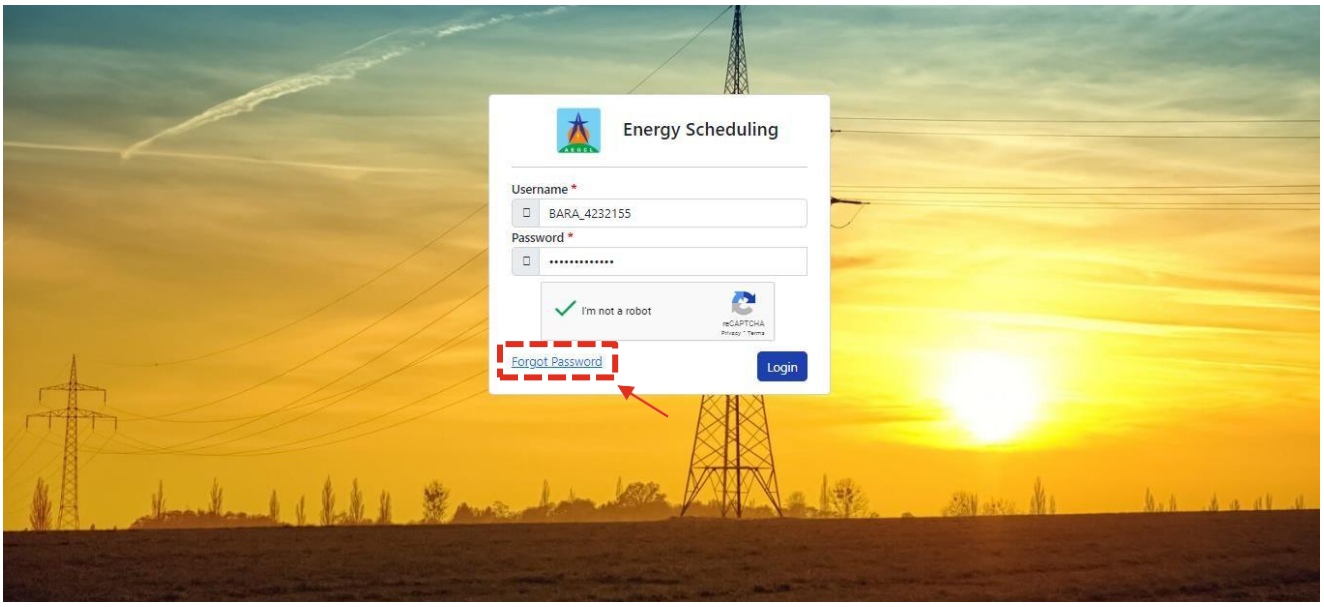
3. User to reset the password as per its choice and click on “Submit” button



4. Apop-upmessageshallbedisplayedtotheuseronsuccessfulcompletionofthepasswordsetting process



5. Usercanresetpasswordbychoosing“ForgetPassword”option

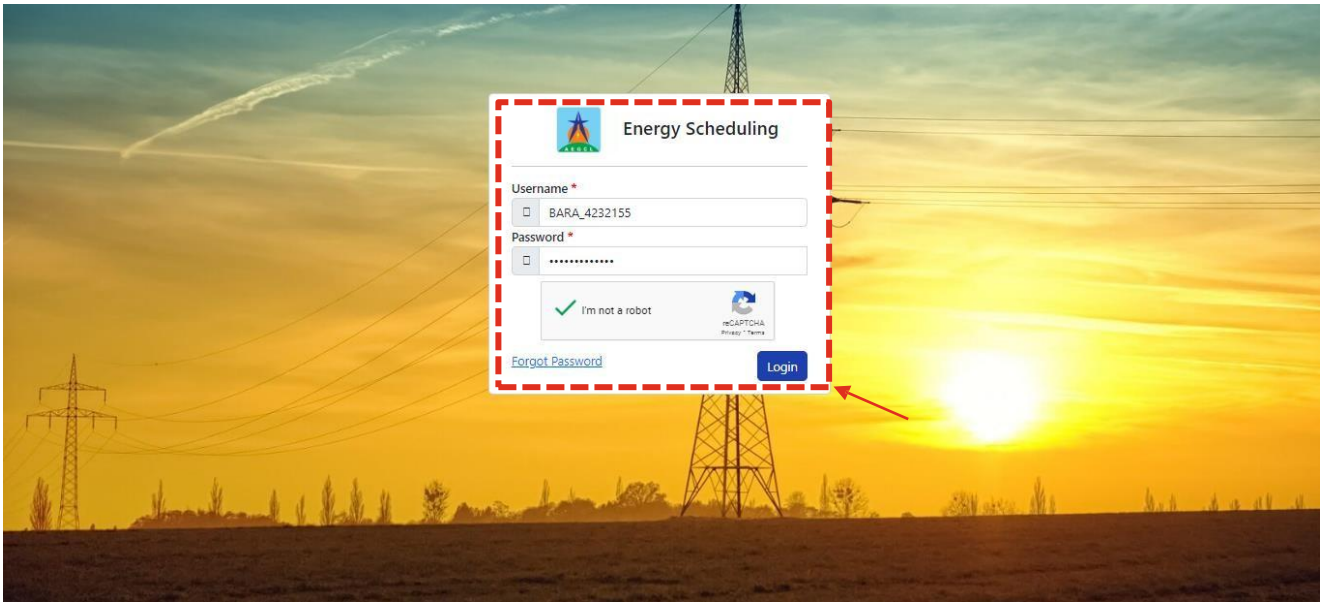


2. Submission of Declared Capacity

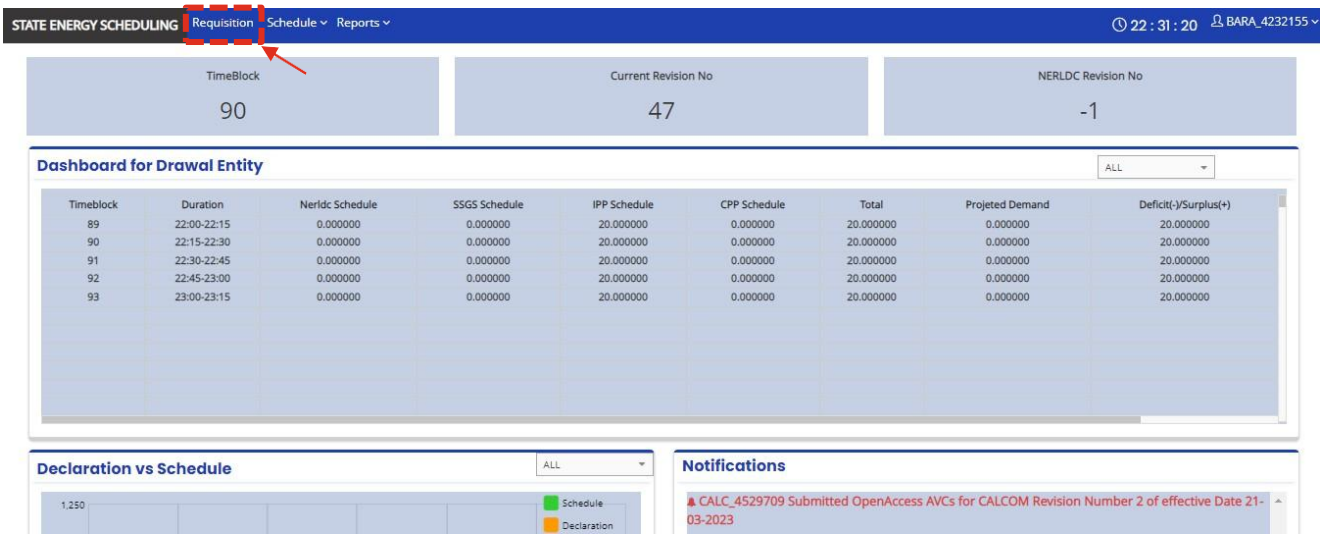
[AVC is applicable for renewable energy fuel based generators and declared injection for non-renewable fuelbased generators in the state]

2.1. SubmissionofInitialDeclaredDrawal

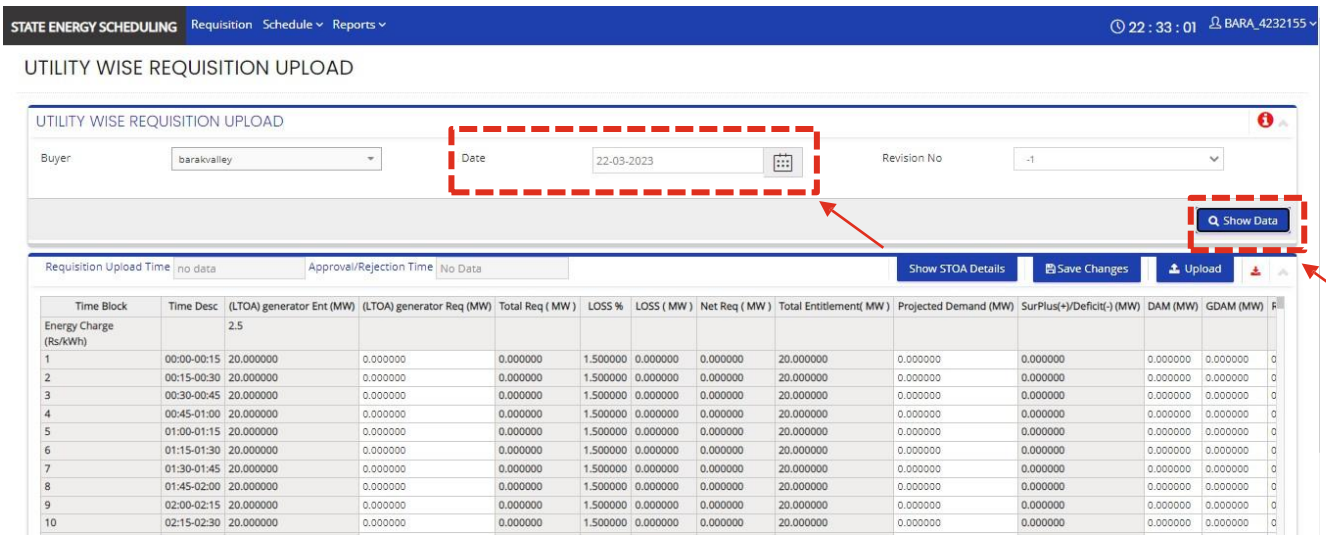
1. Usertologinwiththecredentials



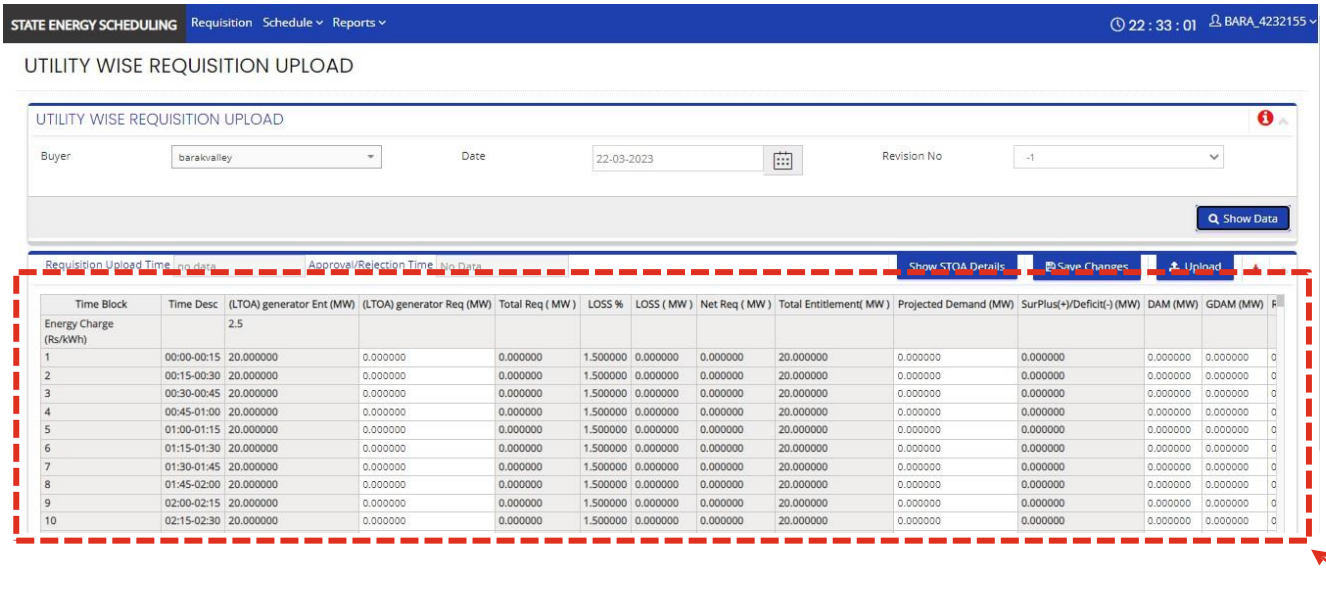
2. Usertoclickon“Requisition”optiononthedashboard

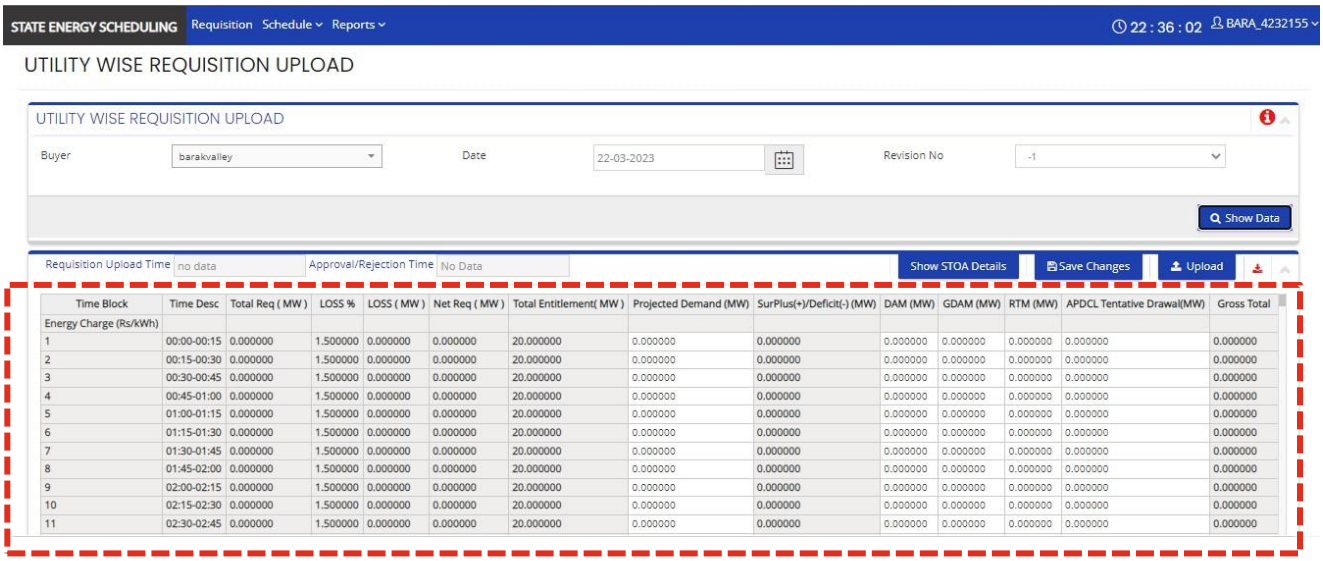


3. Usertoselectthe“Date”andclickon“ShowData”

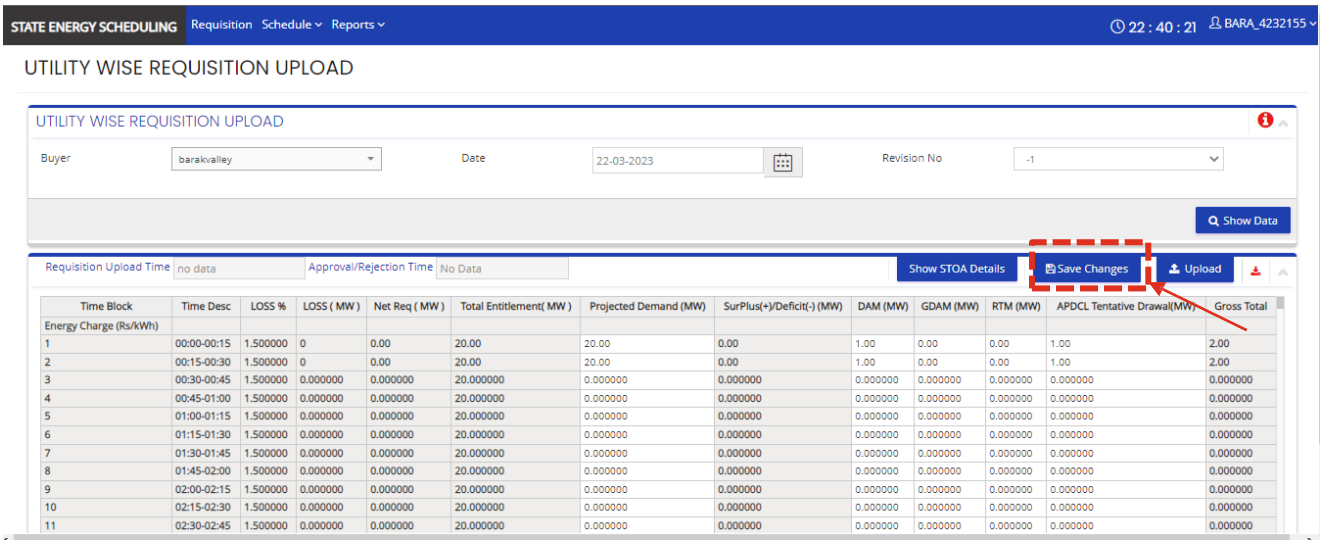


4. Usertofilluptherequired details such as contract-wiserequisitions in MW,tentativeIEX drawal(DAM, GDAM, RTM) in MW, tentative drawal from APDCL in MW, etc. on block-wise and day-ahead basis



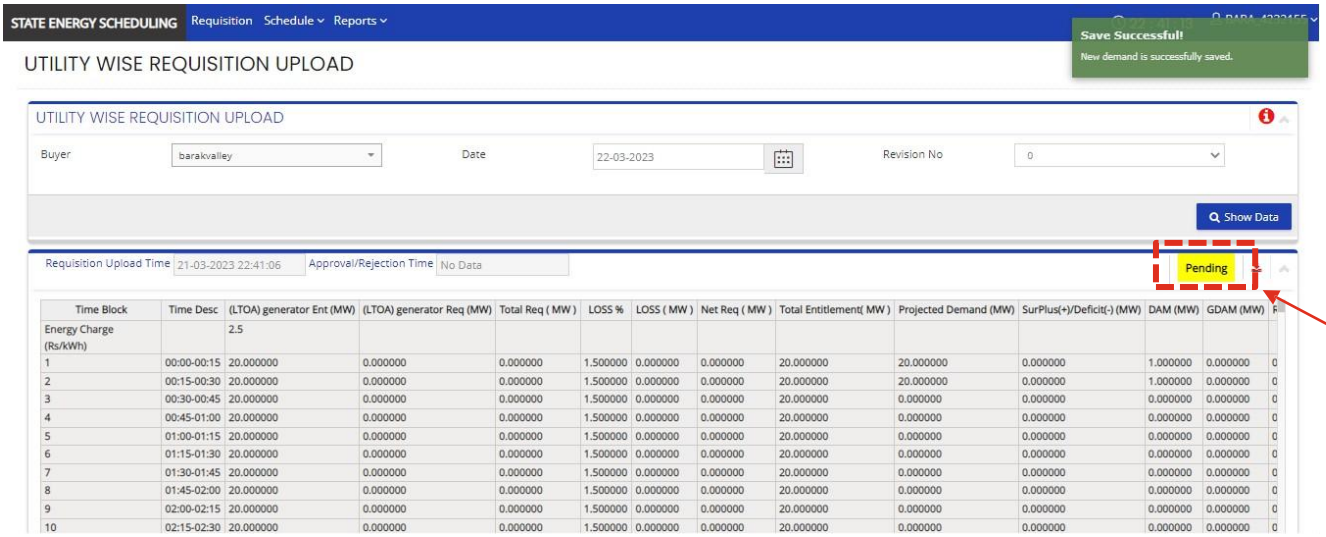


5.Usertoclickonthe“SaveChanges”buttonafterfillingupthedetails



Time Block	Time Desc	LOSS %	LOSS (MW)	Net Req (MW)	Total Entitlement(MW)	Projected Demand (MW)	SurPlus(+)/Deficit(-) (MW)	DAM (MW)	GDAM (MW)	RTM (MW)	APDCL Tentative Drawal(MW)	Gross Total
Energy Charge (Rs/kWh)												
1	00:00-00:15	1.500000	0	0.00	20.00	20.00	0.00	1.00	0.00	0.00	1.00	2.00
2	00:15-00:30	1.500000	0	0.00	20.00	20.00	0.00	1.00	0.00	0.00	1.00	2.00
3	00:30-00:45	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
4	00:45-01:00	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
5	01:00-01:15	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
6	01:15-01:30	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
7	01:30-01:45	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
8	01:45-02:00	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
9	02:00-02:15	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
10	02:15-02:30	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
11	02:30-02:45	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

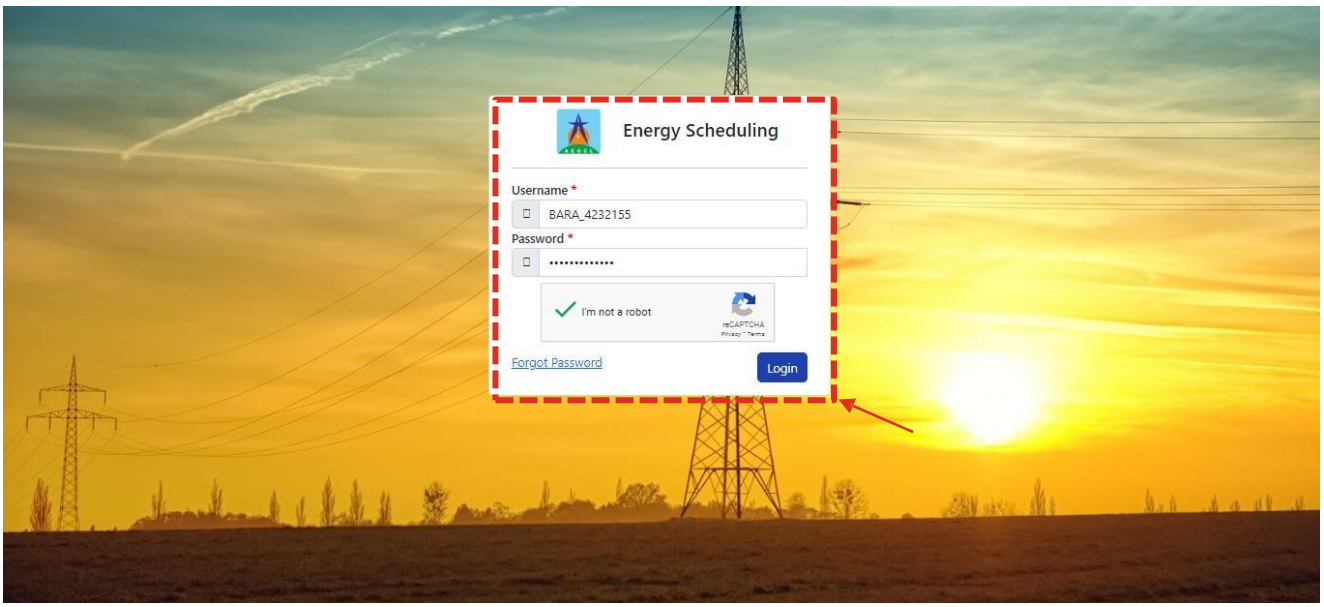
6. Onclickingthe“SaveChanges”button,thecontract-wiserequisitions/declareddrawalshallbesubmitted in the system and the same shall be in “Pending” status until processed by SLDC



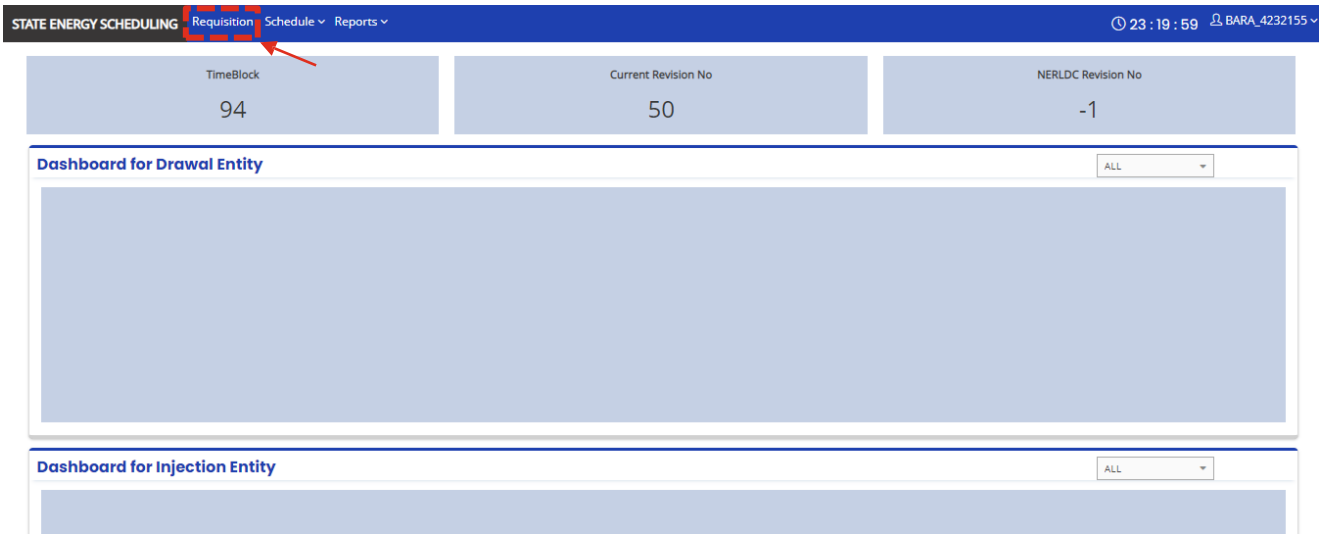
Time Block	Time Desc	(LTOA) generator Ent (MW)	(LTOA) generator Req (MW)	Total Req (MW)	LOSS %	LOSS (MW)	Net Req (MW)	Total Entitlement(MW)	Projected Demand (MW)	SurPlus(+)/Deficit(-) (MW)	DAM (MW)	GDAM (MW)
Energy Charge (Rs/kWh)		2.5										
1	00:00-00:15	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	20.000000	0.000000	1.000000	0.000000
2	00:15-00:30	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	20.000000	0.000000	1.000000	0.000000
3	00:30-00:45	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000
4	00:45-01:00	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000
5	01:00-01:15	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000
6	01:15-01:30	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000
7	01:30-01:45	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000
8	01:45-02:00	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000
9	02:00-02:15	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000
10	02:15-02:30	20.000000	0.000000	0.000000	1.500000	0.000000	0.000000	20.000000	0.000000	0.000000	0.000000	0.000000

2.2. RevisionofDeclaredDrawal

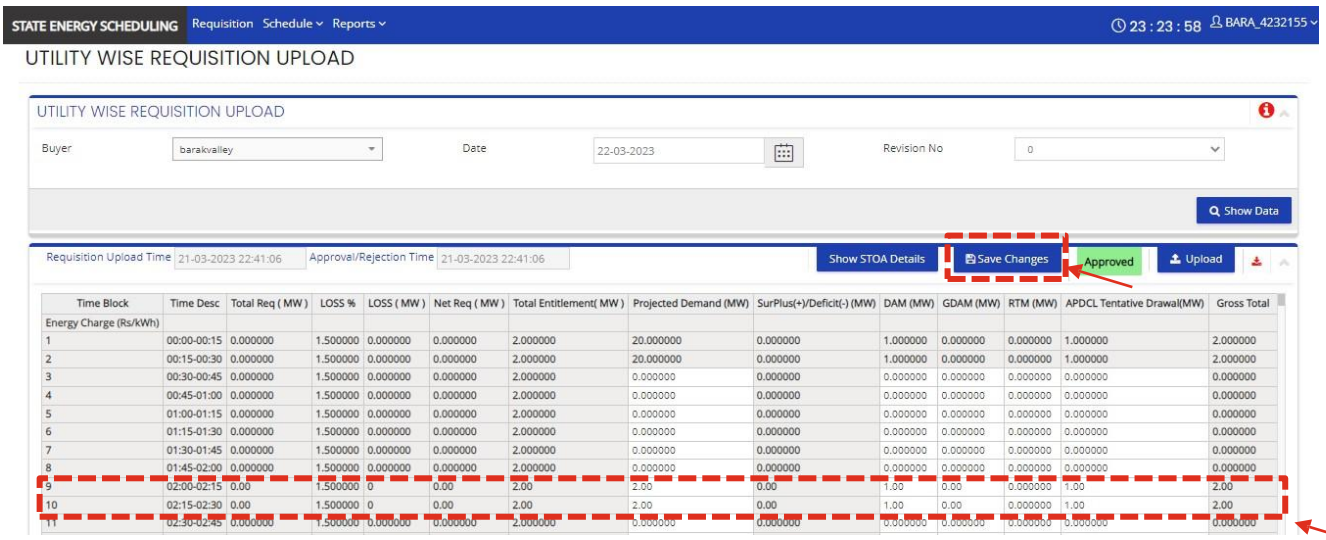
1. Usertologinwiththecredentials



2. Usertoclickon“Requisitions”optiononthedashboard

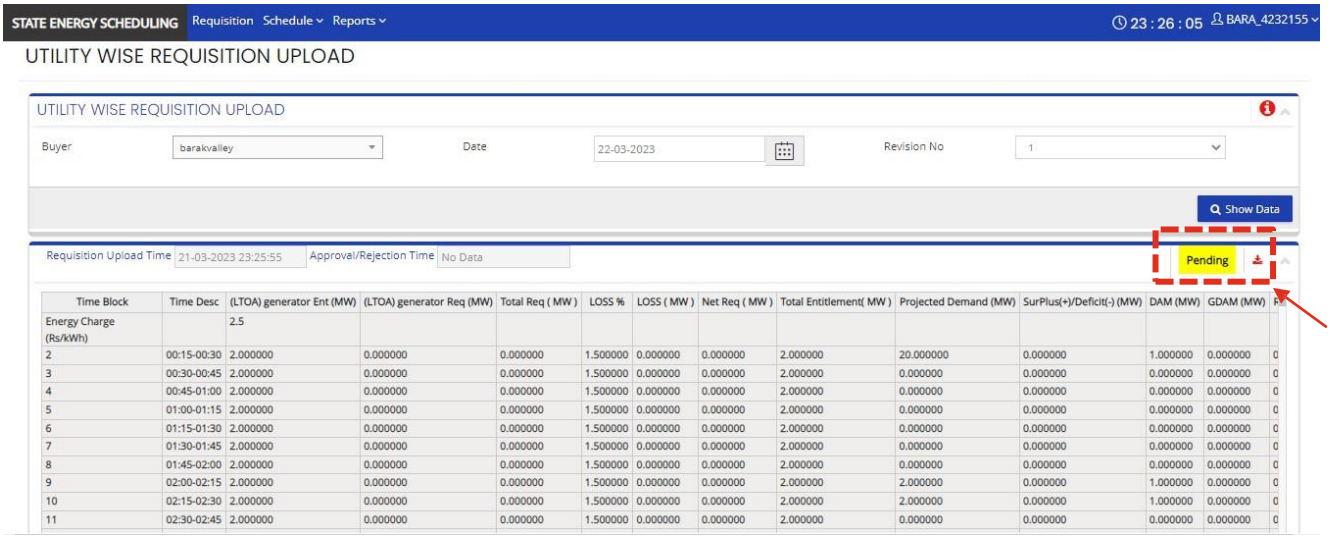


3. User to select the “Date” and update the required details such as contract-wise requisitions in MW, tentative IEX drawal (DAM, GDAM, RTM) in MW, tentative drawal from APDCL in MW, etc. on block- wise basis on the current day of operation and click on “Save Changes” button



Time Block	Time Desc	Total Req (MW)	LOSS %	LOSS (MW)	Net Req (MW)	Total Entitlement(MW)	Projected Demand (MW)	SurPlus(+)/Deficit(-) (MW)	DAM (MW)	GDAM (MW)	RTM (MW)	APDCL Tentative Drawal(MW)	Gross Total
Energy Charge (Rs/kWh)													
1	00:00-00:15	0.000000	1.500000	0.000000	0.000000	2.000000	20.000000	0.000000	1.000000	0.000000	0.000000	1.000000	2.000000
2	00:15-00:30	0.000000	1.500000	0.000000	0.000000	2.000000	20.000000	0.000000	1.000000	0.000000	0.000000	1.000000	2.000000
3	00:30-00:45	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
4	00:45-01:00	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
5	01:00-01:15	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
6	01:15-01:30	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
7	01:30-01:45	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
8	01:45-02:00	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
9	02:00-02:15	0.00	1.500000	0	0.00	2.00	2.00	0.00	1.00	0.00	0.000000	1.00	2.00
10	02:15-02:30	0.00	1.500000	0	0.00	2.00	2.00	0.00	1.00	0.00	0.000000	1.00	2.00
11	02:30-02:45	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

7. Onclickingthe"SaveChanges"button,theupdated/modifiedcontract-wiserequisition/declareddrawal shall be submitted in the system and the same shall be in "Pending" status until processed by SLDC

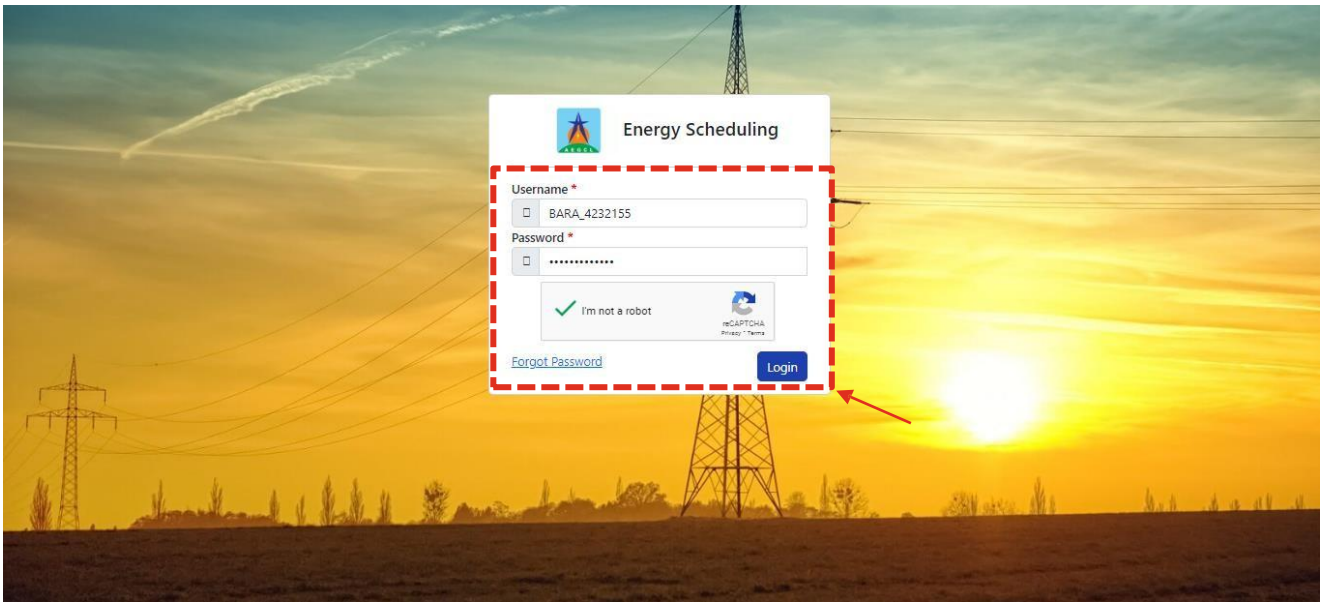


Time Block	Time Desc	(LTOA) generator Ent (MW)	(LTOA) generator Req (MW)	Total Req (MW)	LOSS %	LOSS (MW)	Net Req (MW)	Total Entitlement(MW)	Projected Demand (MW)	SurPlus(+)/Deficit(-) (MW)	DAM (MW)	GDAM (MW)	R
Energy Charge (Rs/kWh)		2.5											
2	00:15-00:30	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	20.000000	0.000000	1.000000	0.000000	0
3	00:30-00:45	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0
4	00:45-01:00	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0
5	01:00-01:15	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0
6	01:15-01:30	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0
7	01:30-01:45	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0
8	01:45-02:00	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0
9	02:00-02:15	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	2.000000	0.000000	1.000000	0.000000	0
10	02:15-02:30	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	2.000000	0.000000	1.000000	0.000000	0
11	02:30-02:45	2.000000	0.000000	0.000000	1.500000	0.000000	0.000000	2.000000	0.000000	0.000000	0.000000	0.000000	0

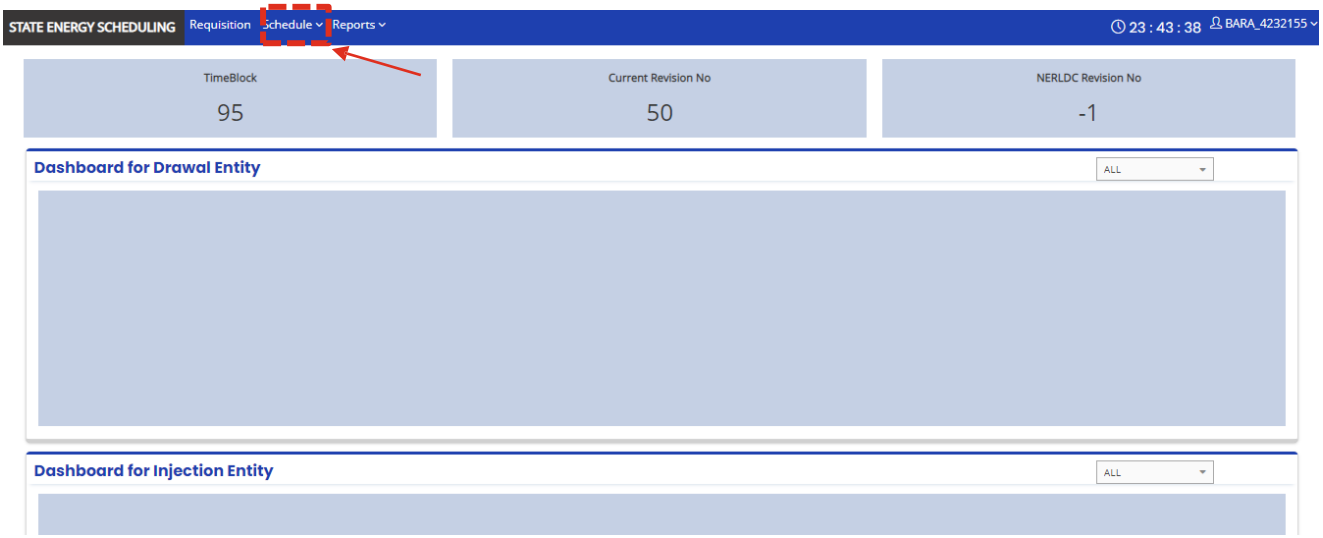
3. DrawalScheduleforthEntity

3.1. ViewDrawalSchedule

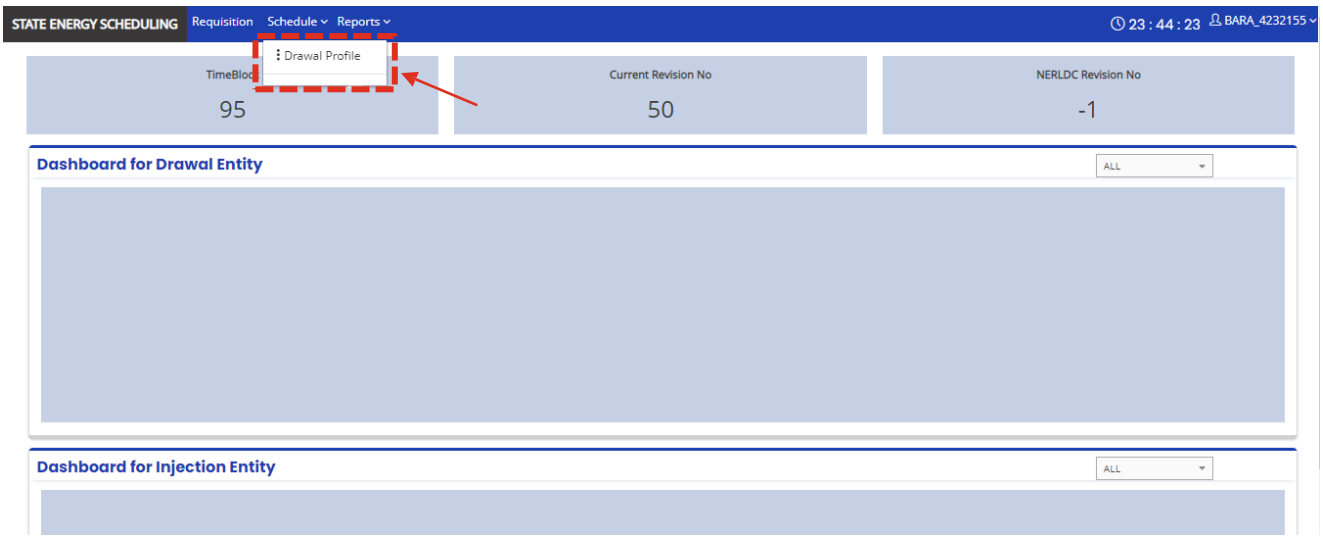
1. Usertologinwiththecredentials



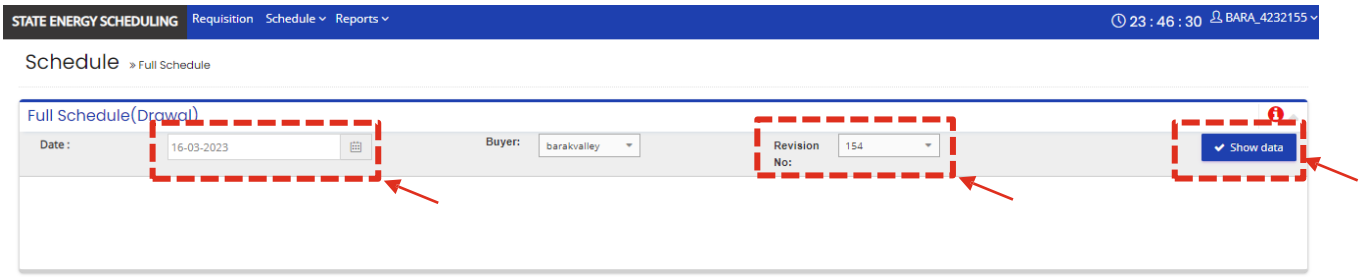
2. Usertoclickon“Schedule”optiononthedashboard



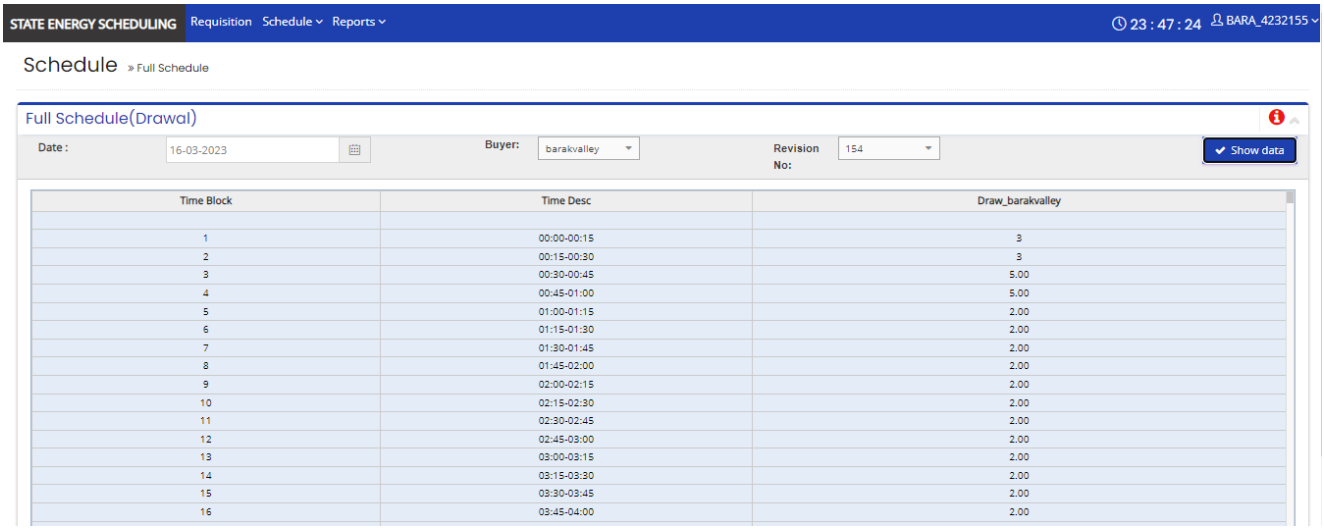
3. Usertoselect“DrawalProfile”option



4. User to select “Date” & “Revision No” andthenclickon“ShowData”



5. Systemshalldisplaythedrawalschedulefortheentity

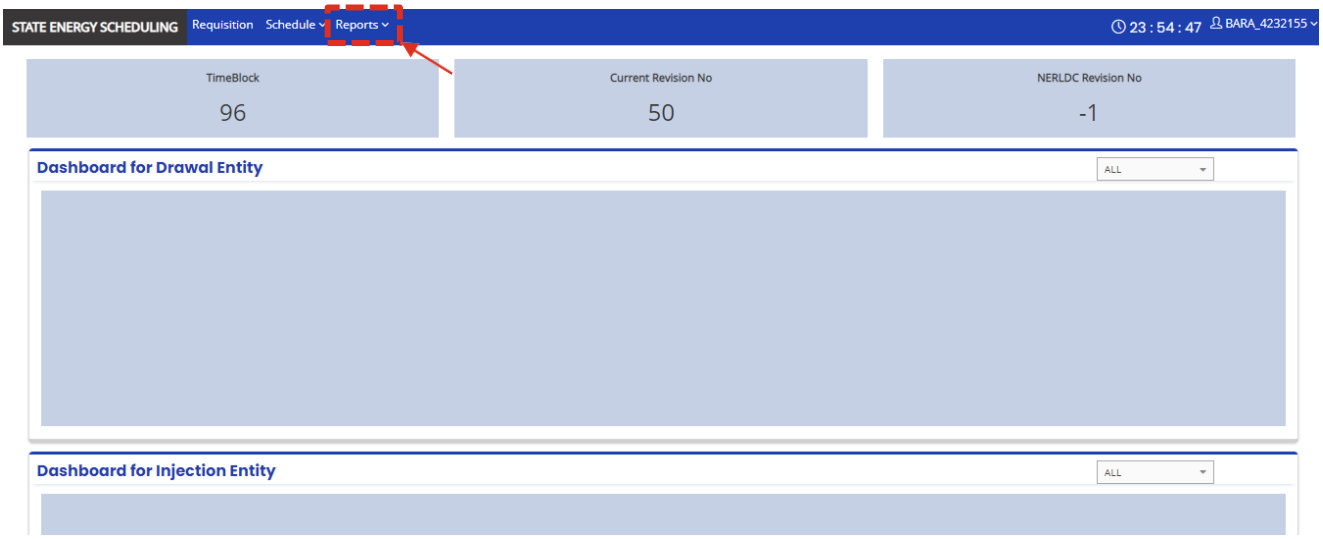


Time Block	Time Desc	Draw_barakvalley
1	00:00-00:15	3
2	00:15-00:30	3
3	00:30-00:45	5.00
4	00:45-01:00	5.00
5	01:00-01:15	2.00
6	01:15-01:30	2.00
7	01:30-01:45	2.00
8	01:45-02:00	2.00
9	02:00-02:15	2.00
10	02:15-02:30	2.00
11	02:30-02:45	2.00
12	02:45-03:00	2.00
13	03:00-03:15	2.00
14	03:15-03:30	2.00
15	03:30-03:45	2.00
16	03:45-04:00	2.00

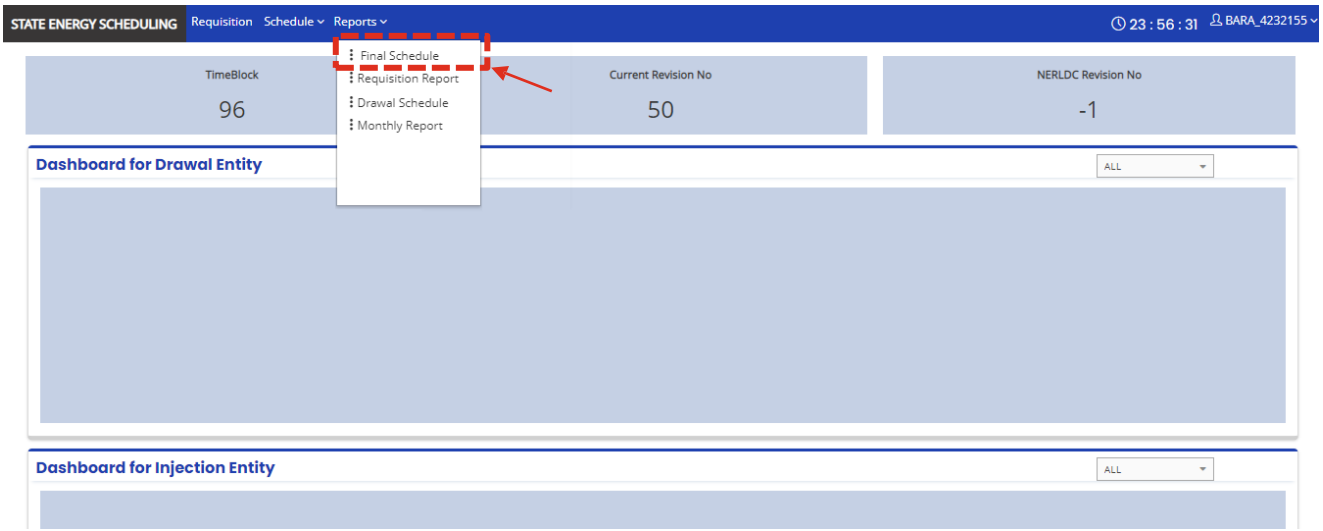
4. Reports

4.1. Final Schedule Report

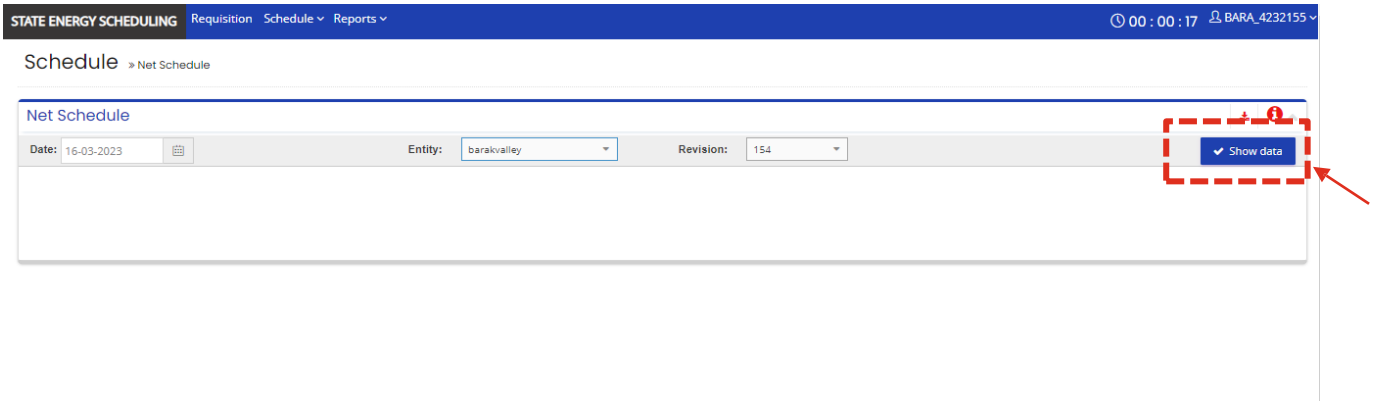
1. User to click on “Reports” tab on the home page



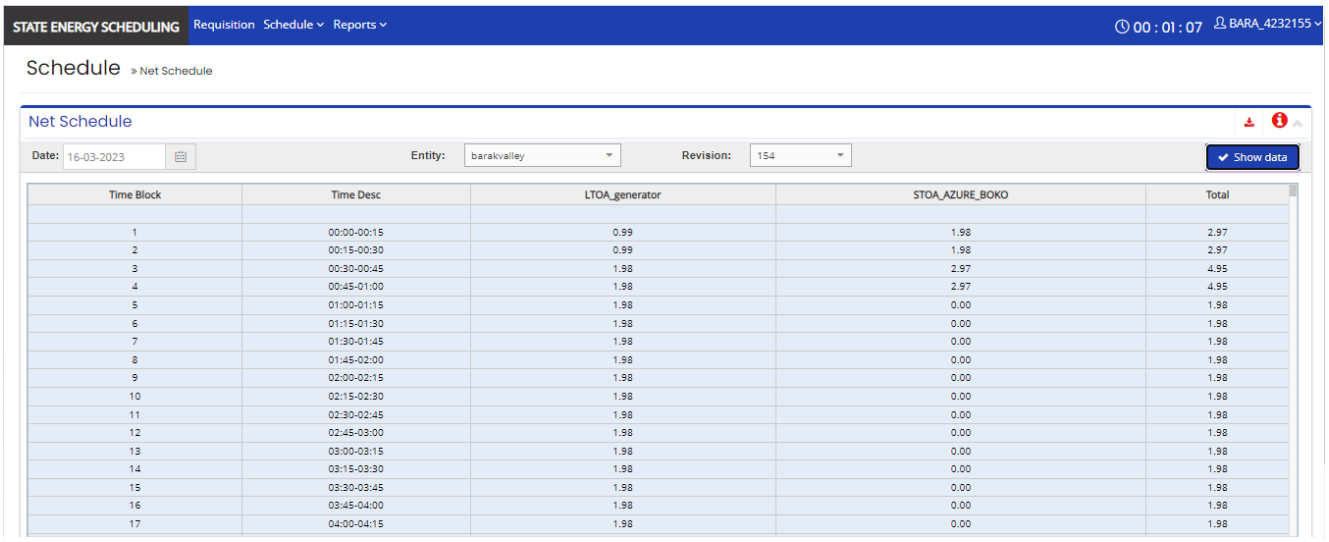
2. Usertoclickonthe“FinalSchedule”fromthedrop-downmenu



3. Usertoselect“Date”and“Revision”andclickon“ShowData”toviewreport



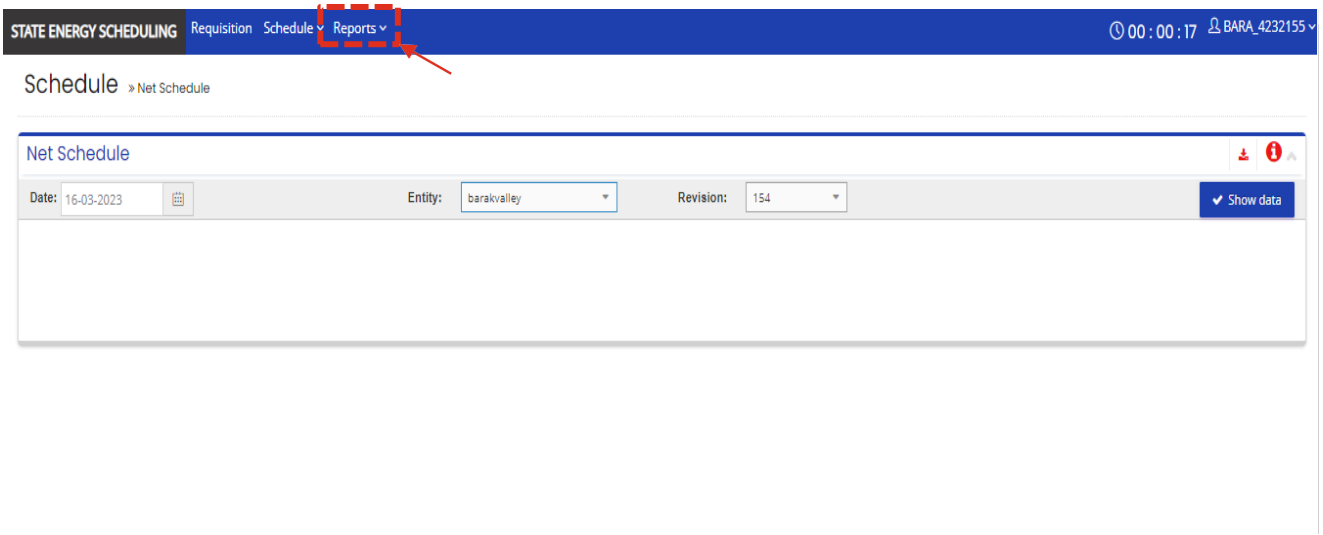
4. Thereportshallbedisplayedbythesysteminthefollowingtemplateand thesamecanbedownloaded in pdf, csv and excel formats



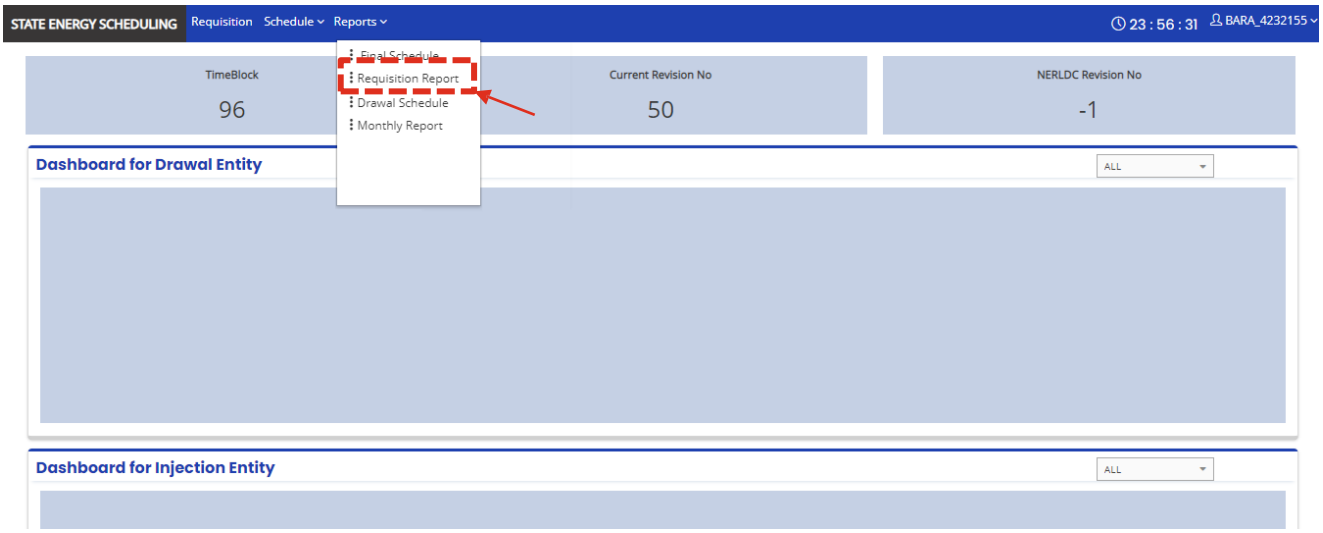
Time Block	Time Desc	LTOA_generator	STOA_AZURE_BOKO	Total
1	00:00-00:15	0.99	1.98	2.97
2	00:15-00:30	0.99	1.98	2.97
3	00:30-00:45	1.98	2.97	4.95
4	00:45-01:00	1.98	2.97	4.95
5	01:00-01:15	1.98	0.00	1.98
6	01:15-01:30	1.98	0.00	1.98
7	01:30-01:45	1.98	0.00	1.98
8	01:45-02:00	1.98	0.00	1.98
9	02:00-02:15	1.98	0.00	1.98
10	02:15-02:30	1.98	0.00	1.98
11	02:30-02:45	1.98	0.00	1.98
12	02:45-03:00	1.98	0.00	1.98
13	03:00-03:15	1.98	0.00	1.98
14	03:15-03:30	1.98	0.00	1.98
15	03:30-03:45	1.98	0.00	1.98
16	03:45-04:00	1.98	0.00	1.98
17	04:00-04:15	1.98	0.00	1.98

4.2. RequisitionReport

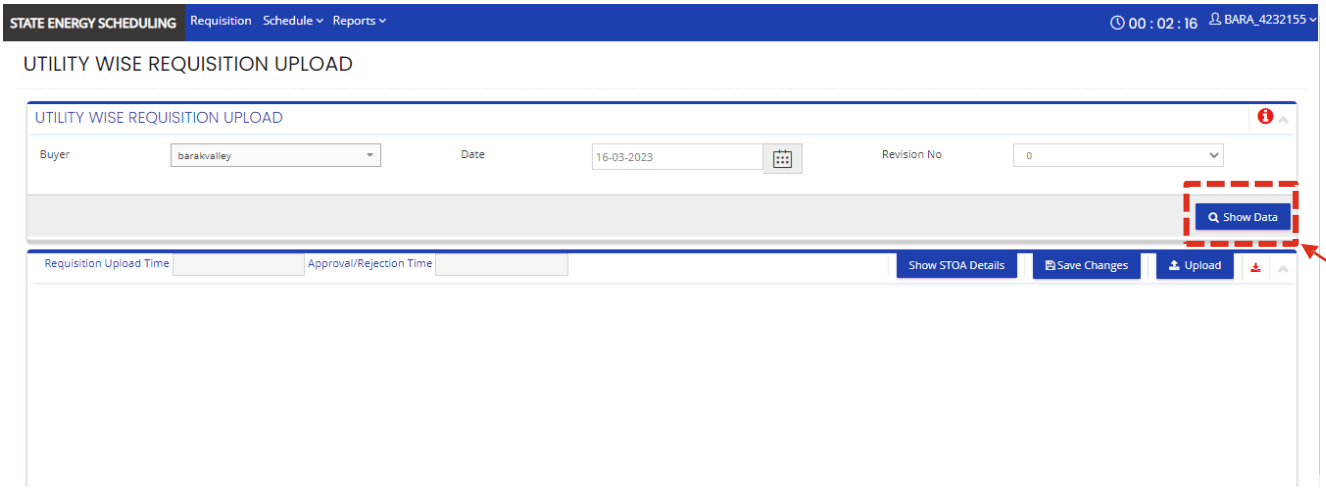
1. Usertoclickon“Reports”tabonthehome page



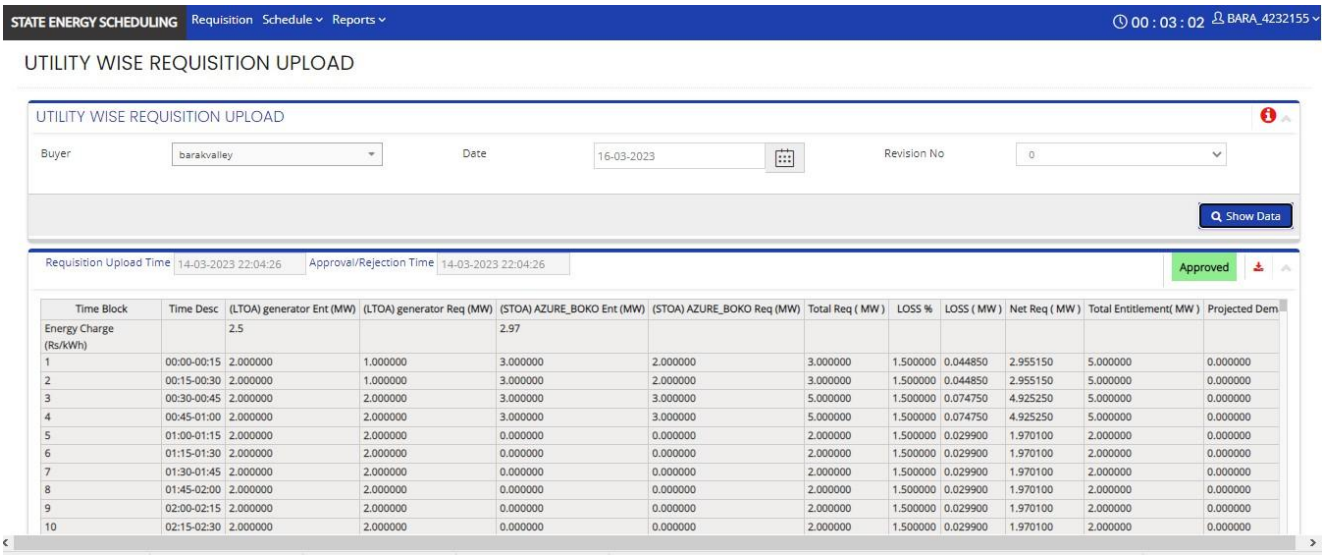
2. Usertoclickonthe“RequisitionReport”fromthedrop-downmenu



3. Usertoselect“Date”&“RevisionNo”andclickon“ShowData”toviewreport



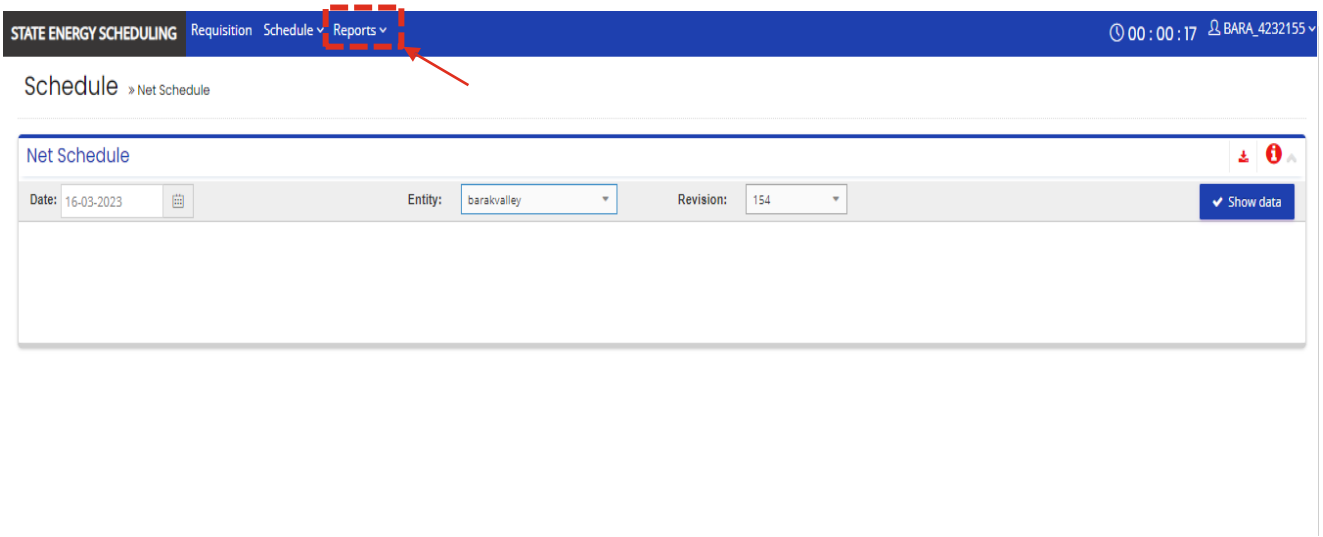
4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbe downloaded in pdf, csv and excel formats



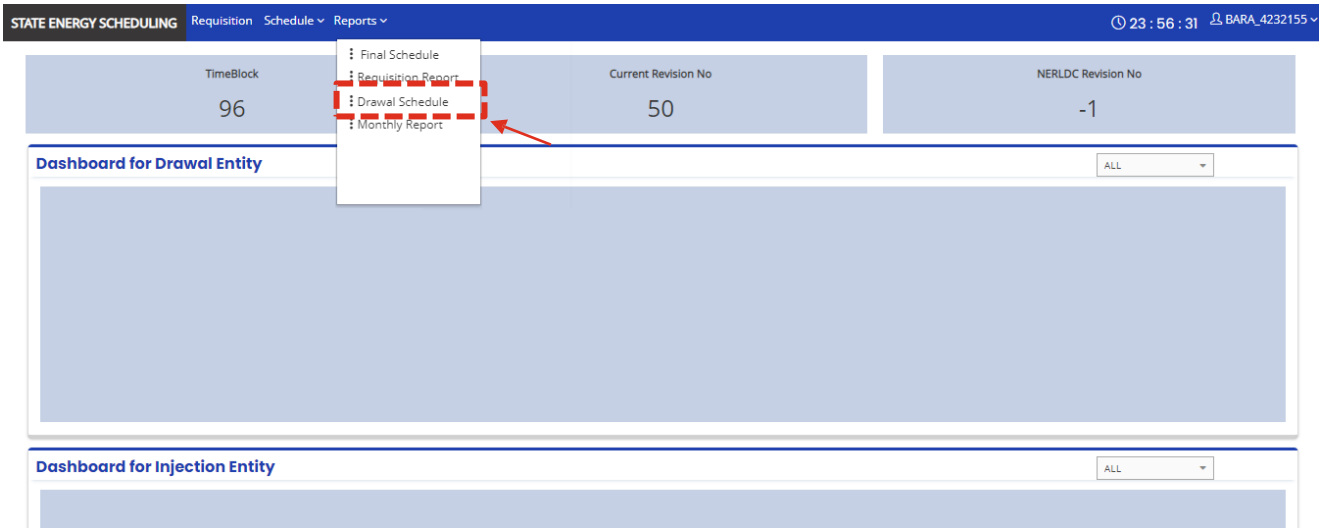
Time Block	Time Desc	(LTOA) generator Ent (MW)	(LTOA) generator Req (MW)	(STOA) AZURE_BOKO Ent (MW)	(STOA) AZURE_BOKO Req (MW)	Total Req (MW)	LOSS %	LOSS (MW)	Net Req (MW)	Total Entitlement(MW)	Projected Dem
Energy Charge (Rs/kWh)		2.5		2.97							
1	00:00-00:15	2.000000	1.000000	3.000000	2.000000	3.000000	1.500000	0.044850	2.955150	5.000000	0.000000
2	00:15-00:30	2.000000	1.000000	3.000000	2.000000	3.000000	1.500000	0.044850	2.955150	5.000000	0.000000
3	00:30-00:45	2.000000	2.000000	3.000000	3.000000	5.000000	1.500000	0.074750	4.925250	5.000000	0.000000
4	00:45-01:00	2.000000	2.000000	3.000000	3.000000	5.000000	1.500000	0.074750	4.925250	5.000000	0.000000
5	01:00-01:15	2.000000	2.000000	0.000000	0.000000	2.000000	1.500000	0.029900	1.970100	2.000000	0.000000
6	01:15-01:30	2.000000	2.000000	0.000000	0.000000	2.000000	1.500000	0.029900	1.970100	2.000000	0.000000
7	01:30-01:45	2.000000	2.000000	0.000000	0.000000	2.000000	1.500000	0.029900	1.970100	2.000000	0.000000
8	01:45-02:00	2.000000	2.000000	0.000000	0.000000	2.000000	1.500000	0.029900	1.970100	2.000000	0.000000
9	02:00-02:15	2.000000	2.000000	0.000000	0.000000	2.000000	1.500000	0.029900	1.970100	2.000000	0.000000
10	02:15-02:30	2.000000	2.000000	0.000000	0.000000	2.000000	1.500000	0.029900	1.970100	2.000000	0.000000

4.3. DrawalScheduleReport

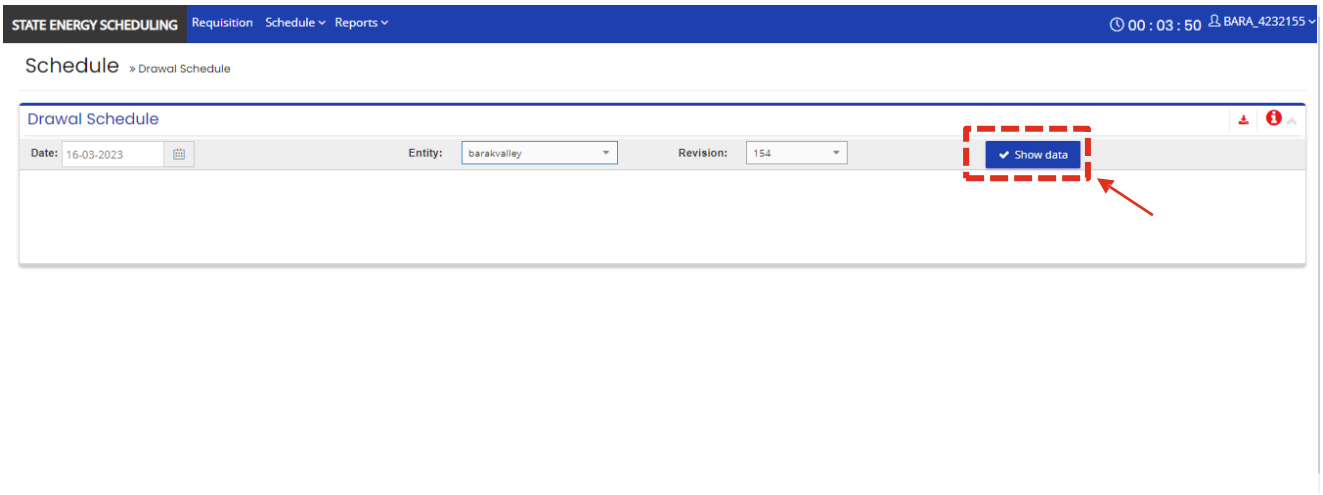
1. Usertoclickon“Reports”tabonthehome page



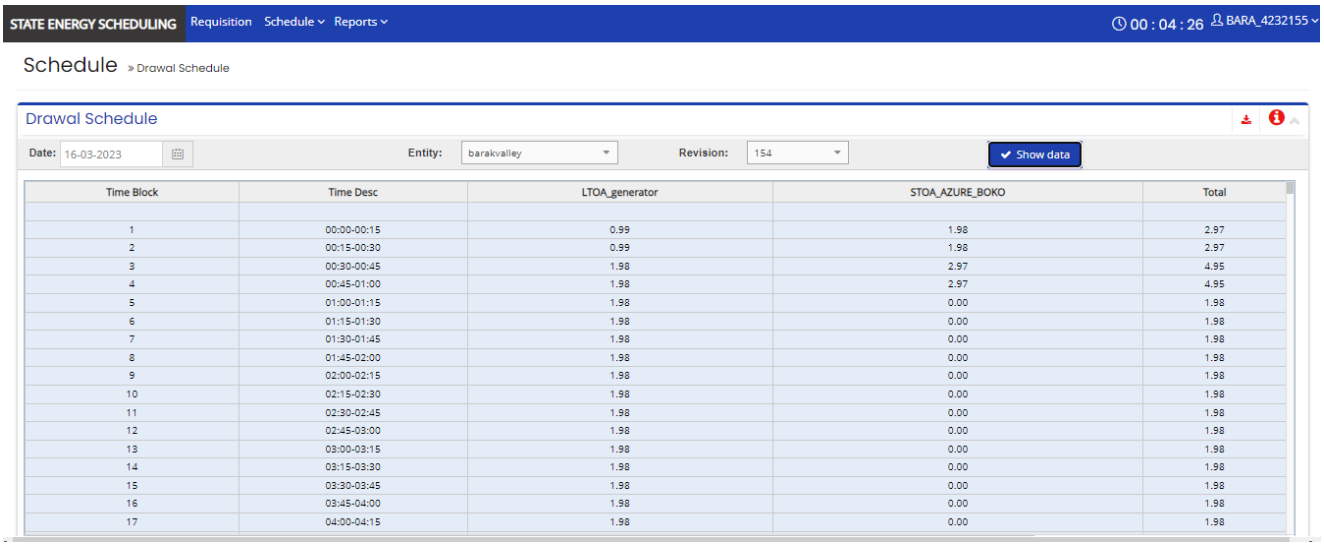
2. Usertoclickonthe“DrawalSchedule”fromthedrop-downmenu



3. Usertoselect“Date”&“Revision”andclickon“ShowData”toviewreport



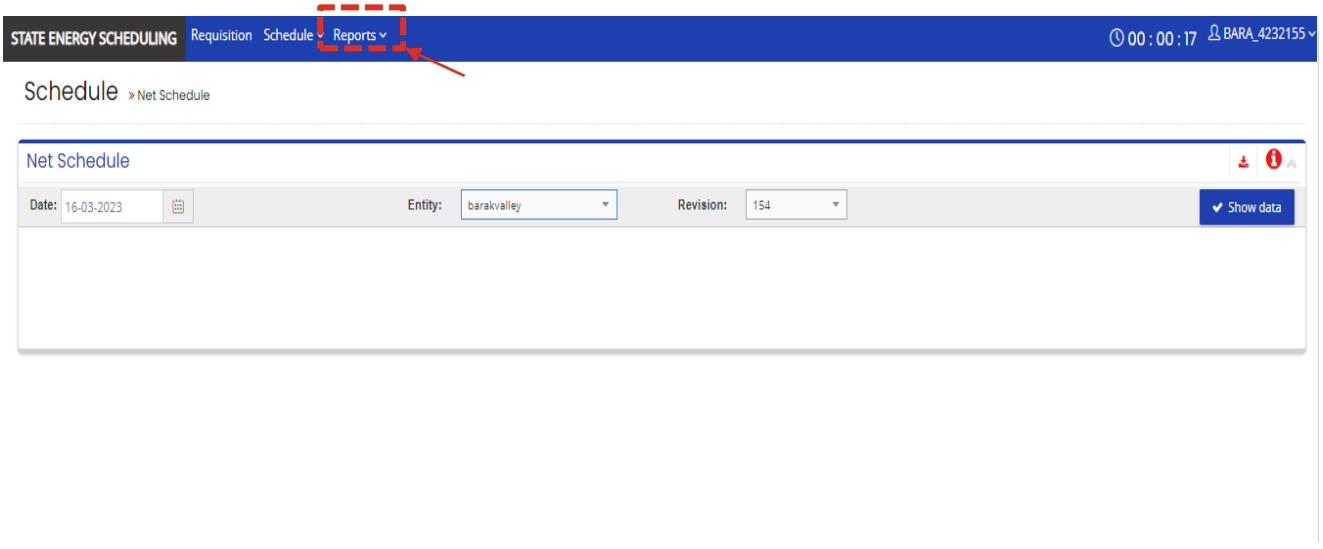
4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbedownloaded in pdf, csv and excel formats



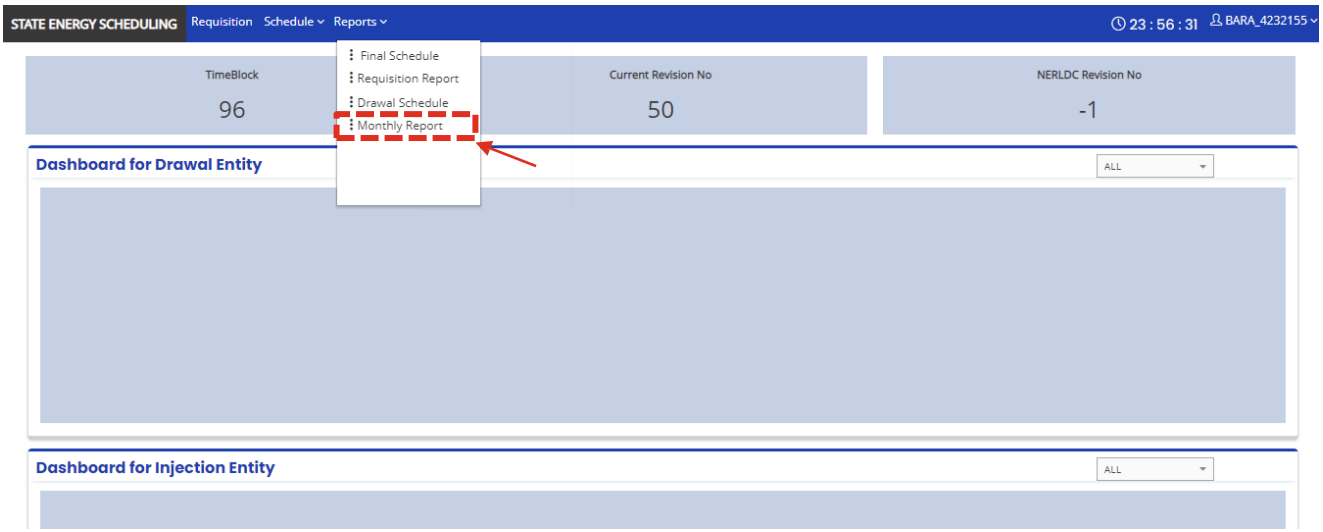
Time Block	Time Desc	LTOA_generator	STOA_AZURE_BOKO	Total
1	00:00-00:15	0.99	1.98	2.97
2	00:15-00:30	0.99	1.98	2.97
3	00:30-00:45	1.98	2.97	4.95
4	00:45-01:00	1.98	2.97	4.95
5	01:00-01:15	1.98	0.00	1.98
6	01:15-01:30	1.98	0.00	1.98
7	01:30-01:45	1.98	0.00	1.98
8	01:45-02:00	1.98	0.00	1.98
9	02:00-02:15	1.98	0.00	1.98
10	02:15-02:30	1.98	0.00	1.98
11	02:30-02:45	1.98	0.00	1.98
12	02:45-03:00	1.98	0.00	1.98
13	03:00-03:15	1.98	0.00	1.98
14	03:15-03:30	1.98	0.00	1.98
15	03:30-03:45	1.98	0.00	1.98
16	03:45-04:00	1.98	0.00	1.98
17	04:00-04:15	1.98	0.00	1.98

4.4. MonthlyReport

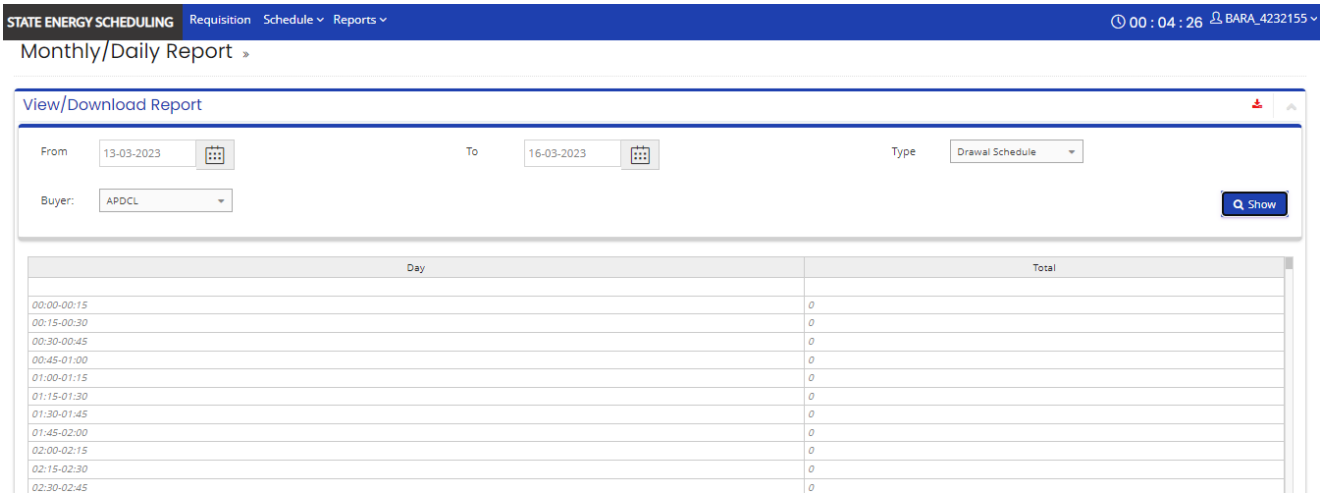
1. Usertoclickon“Reports”tabonthehome page



2. Usertoclickonthe“MonthlyReport”fromthedrop-downmenu



3. User to select “From Date”, “To Date” and “Type (Drawal Schedule) and click on “Show Data” to view report. The report shall be displayed by the system in the following template and the same can be downloaded in pdf, csv and excel formats



User Manual Document

SAMAST FOR SLDC (ASSAM) ENERGY SCHEDULING

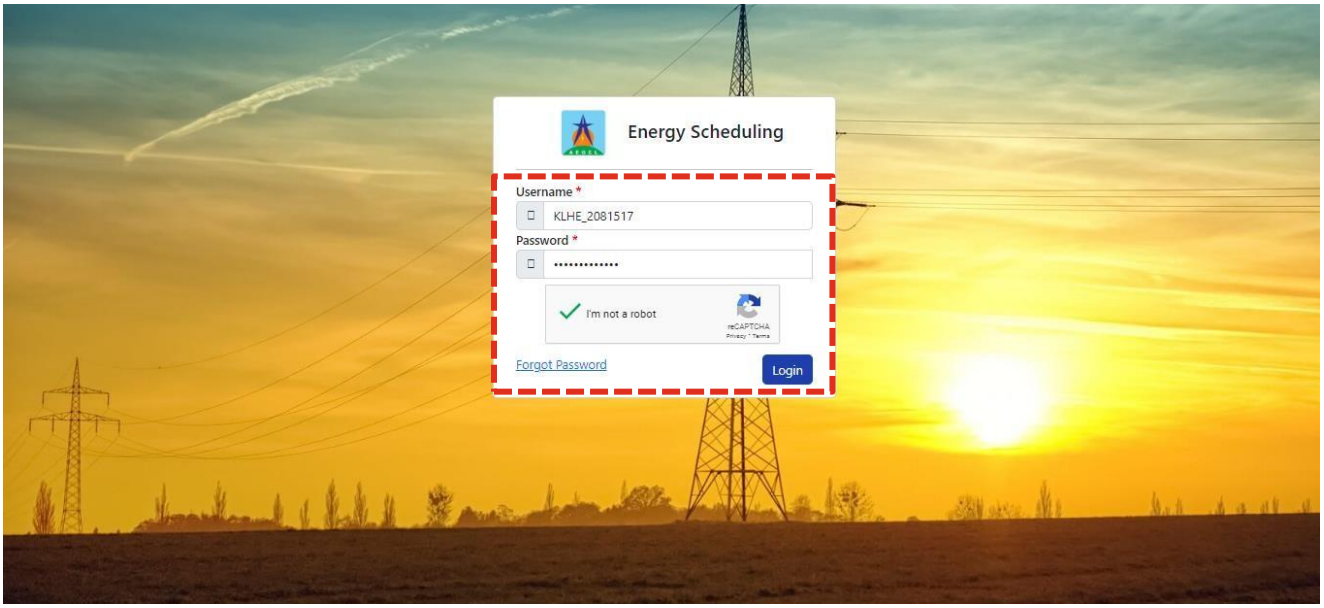
User Manual for State Sector Generating Station

Date:14-03-2023
Version:#1

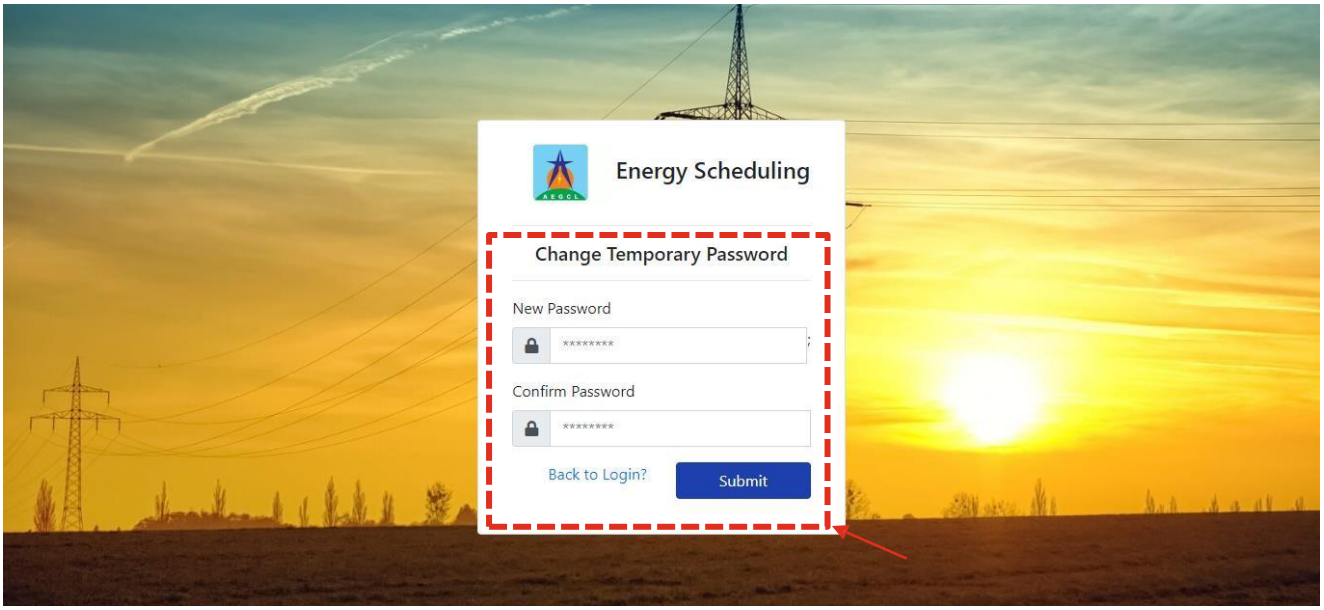
Table of Contents

1. User login

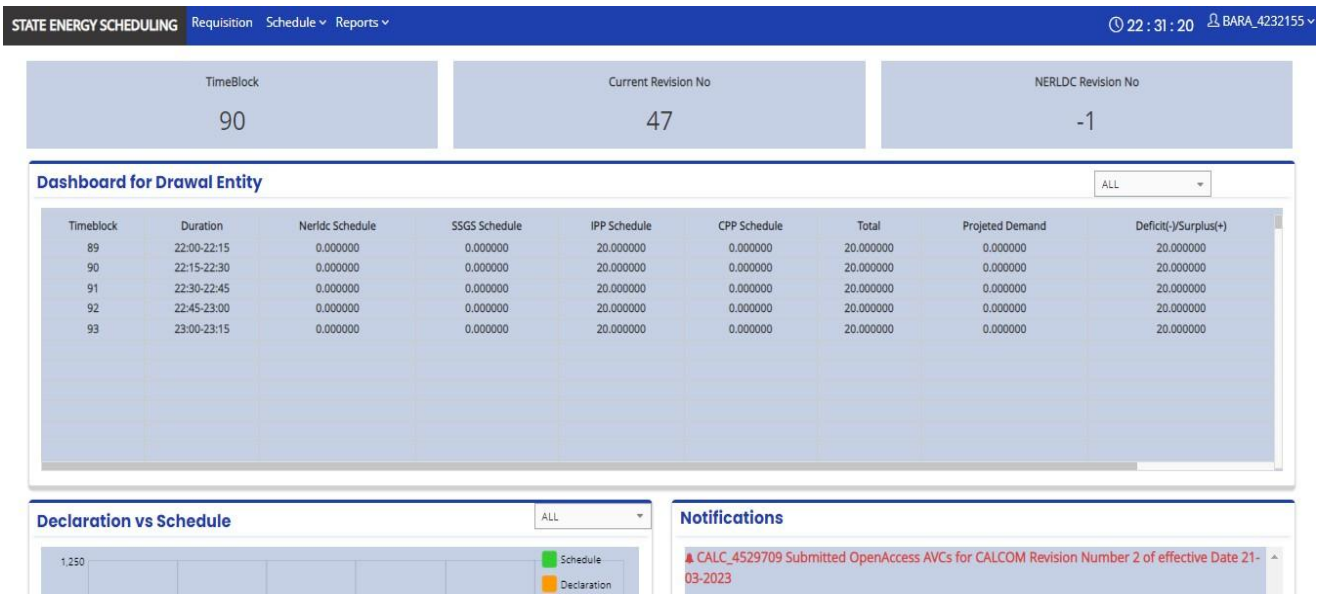
1. Usertoopenthe“EnergySchedulingModule”
2. User to login with the verification code received on registered email after creation of the credentials by the system administrator



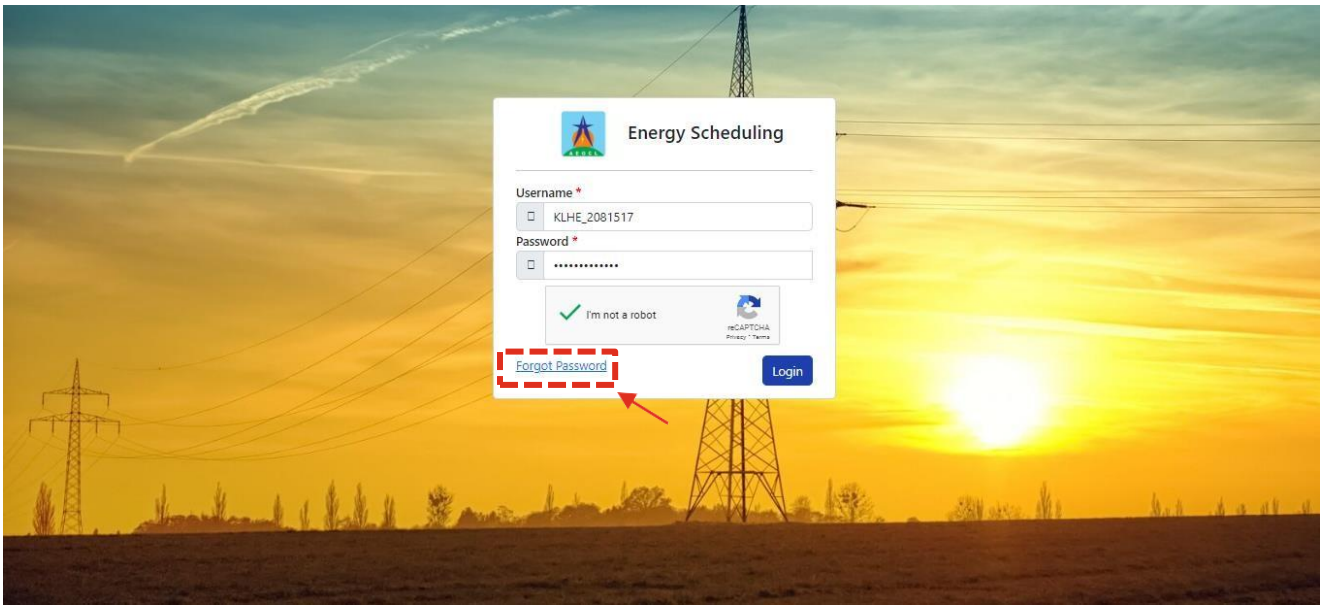
3. Usertoresetthepasswordasperitschoiceandclickon“Submit”button



4. Apop-upmessageshallbedisplayedtotheuseronsuccessfulcompletionofthepasswordsetting process



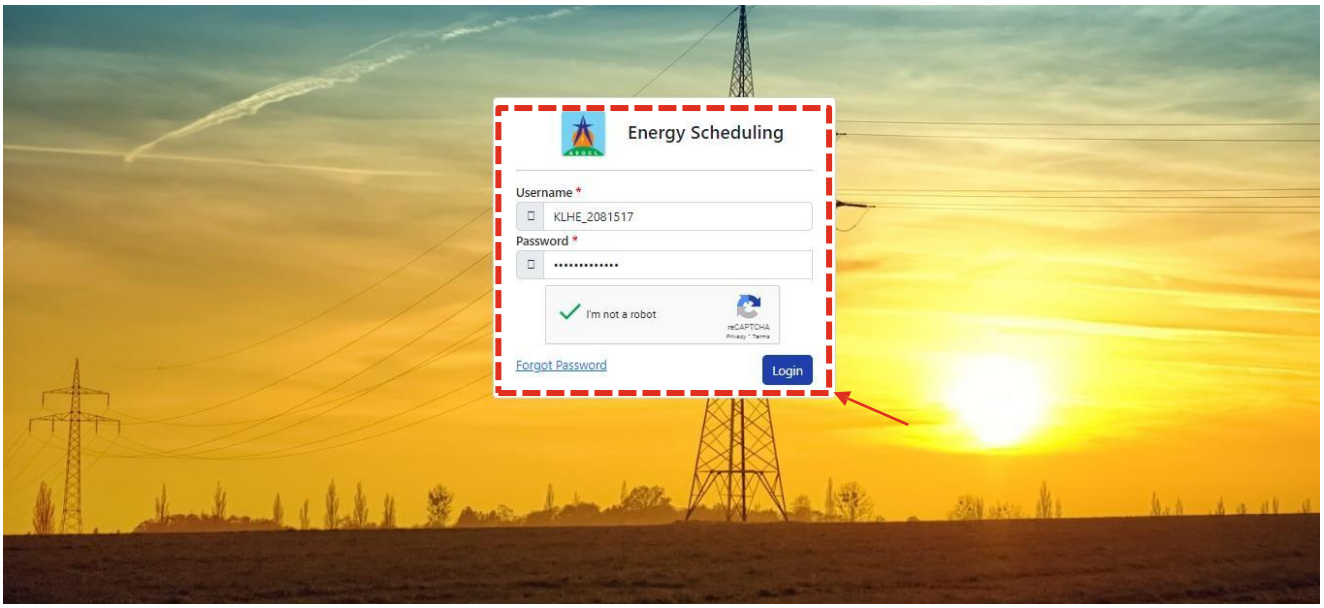
5. Usercanresetpasswordbychoosing“ForgetPassword”option



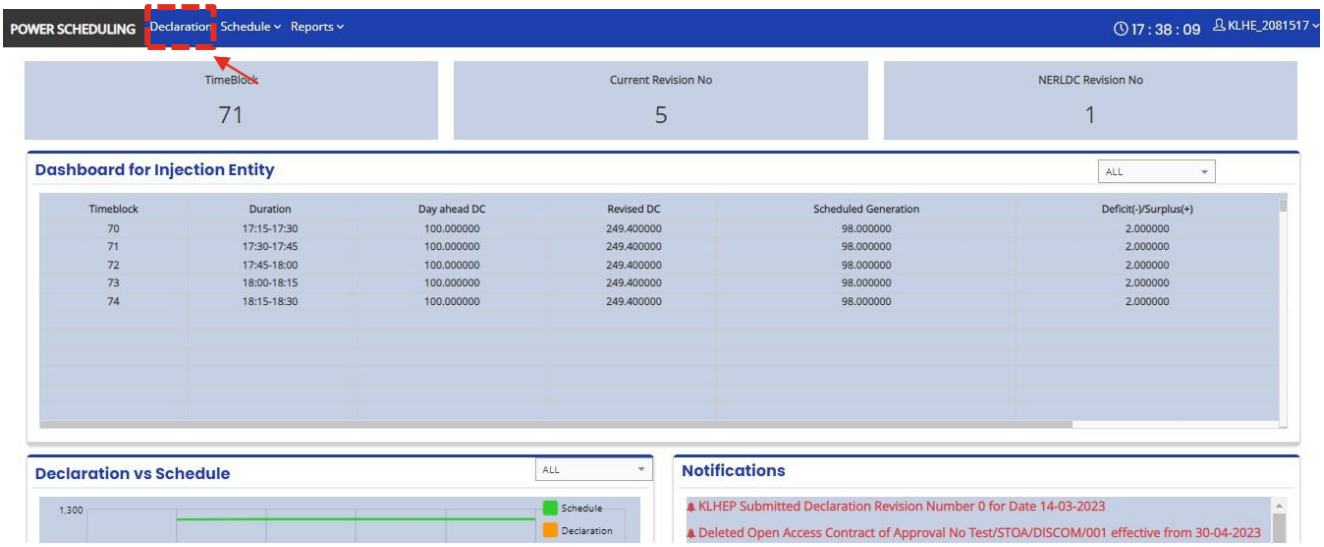
2. SubmissionofDeclared Capacity

2.1. InitialDeclaredCapacity(R0)

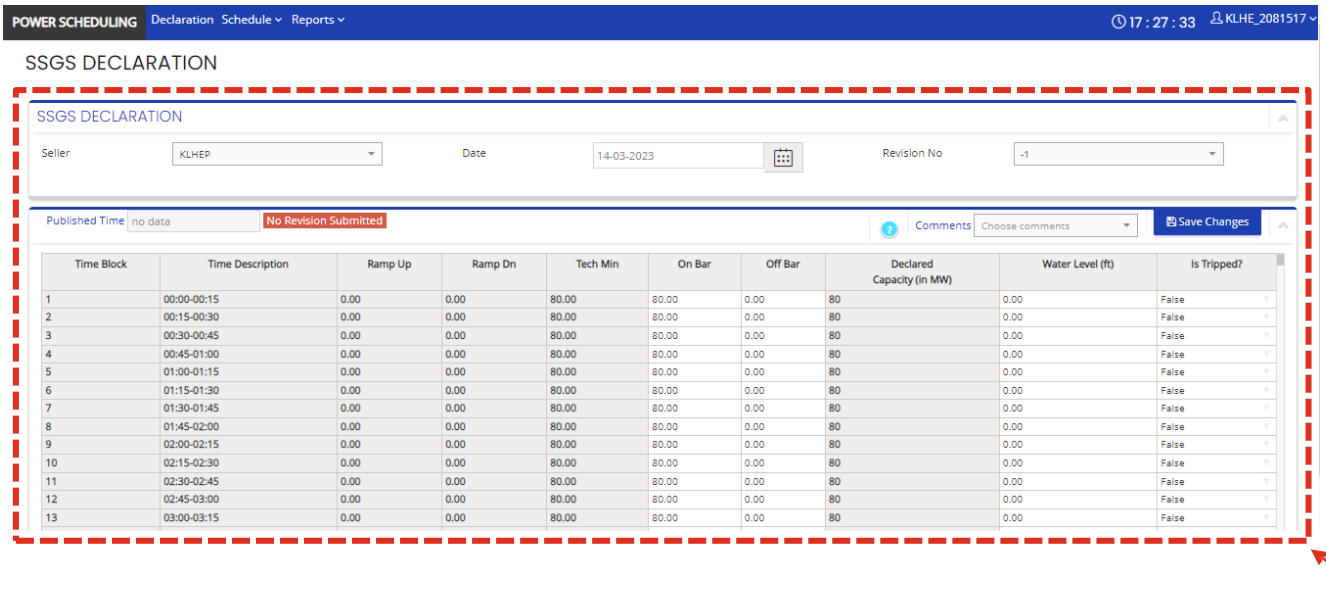
1. Usertologinwiththecredentials



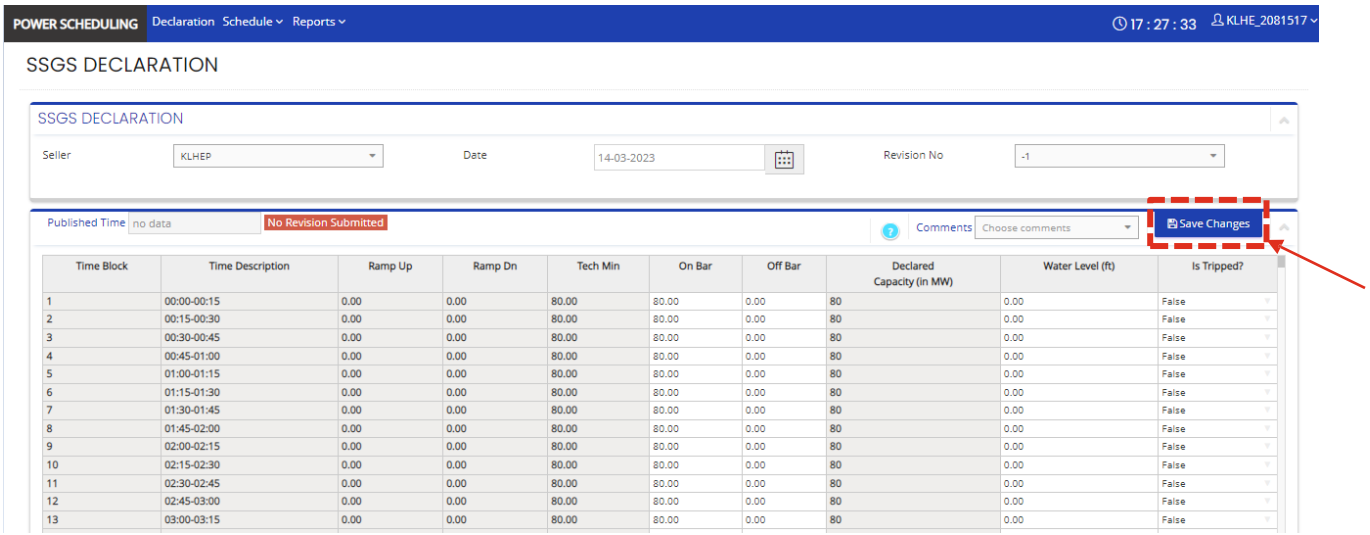
2. Usertoclickon“Declaration”optiononthedashboard



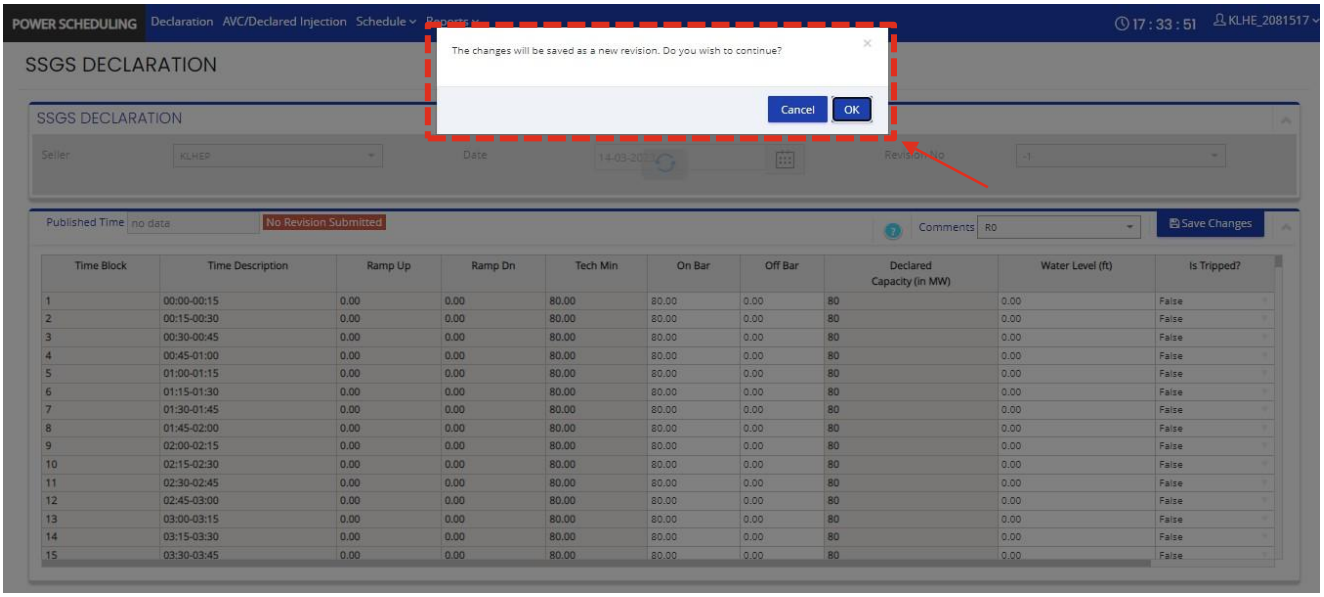
3. Usertoselectthe“Date”andfilluptherequireddetailssuchasOn-BarDC,Off-BarDC,Comments,etc. for the required time blocks



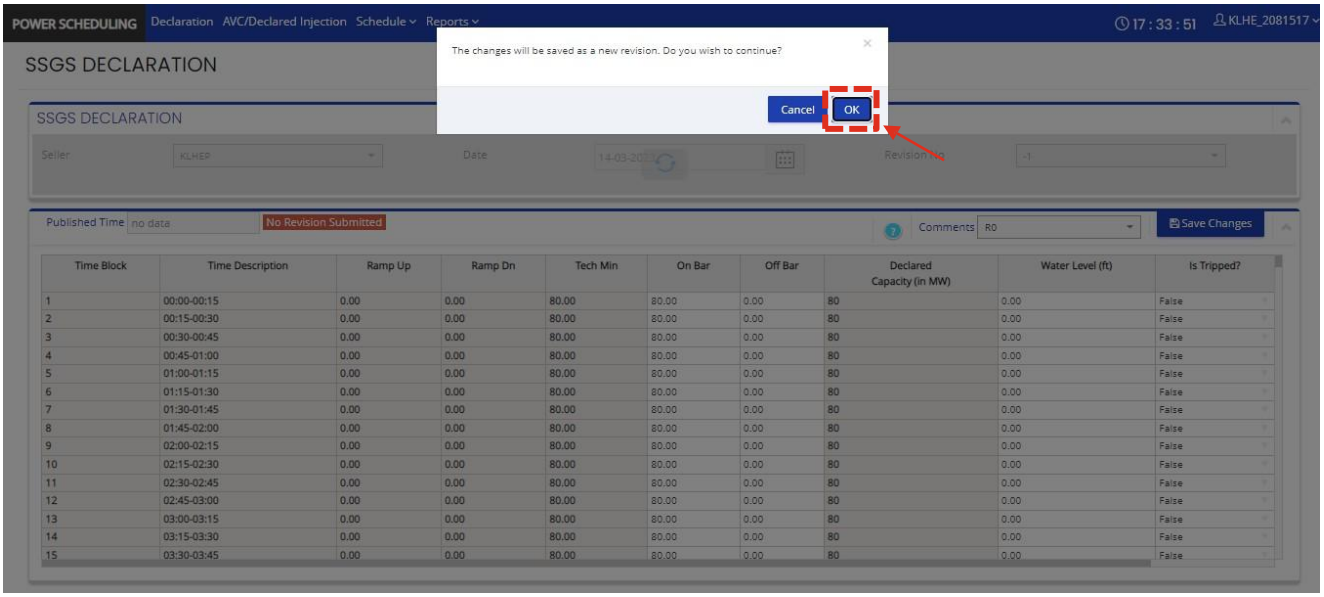
4. Usertoclickonthe“SaveChanges”buttonafterfillingupthedetails



5. Onclickingthe“SaveChanges”button,apop-upwindowshallbedisplayedforfinalconfirmation

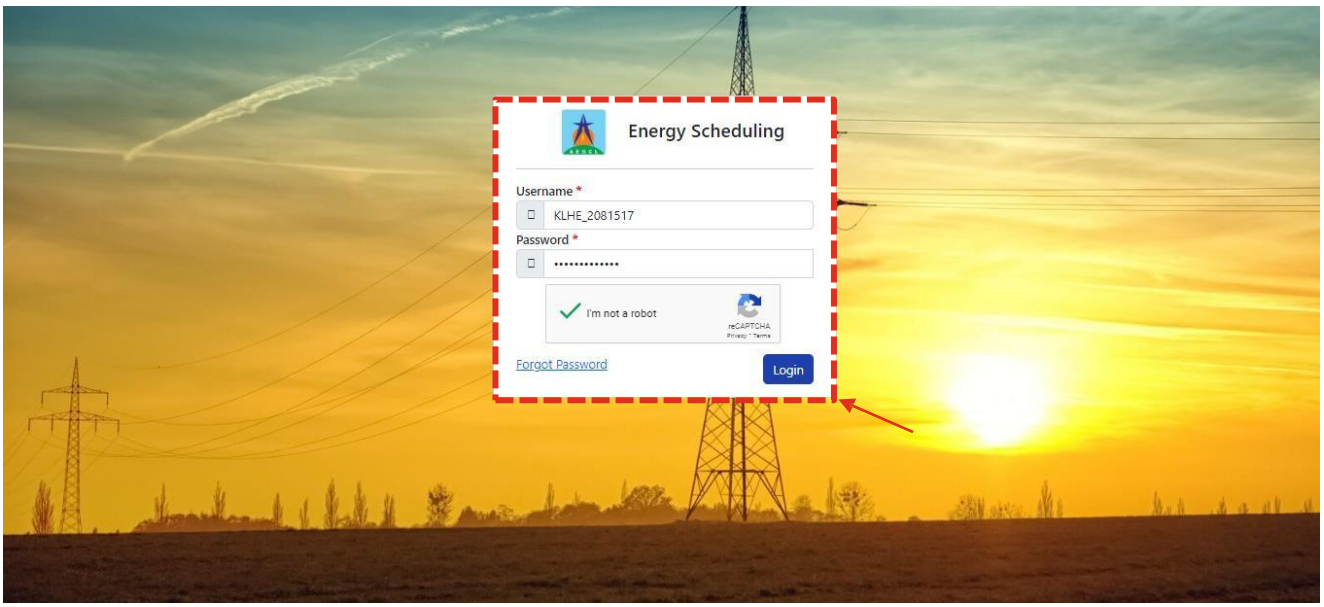


6. Usertoclickon“Ok”button

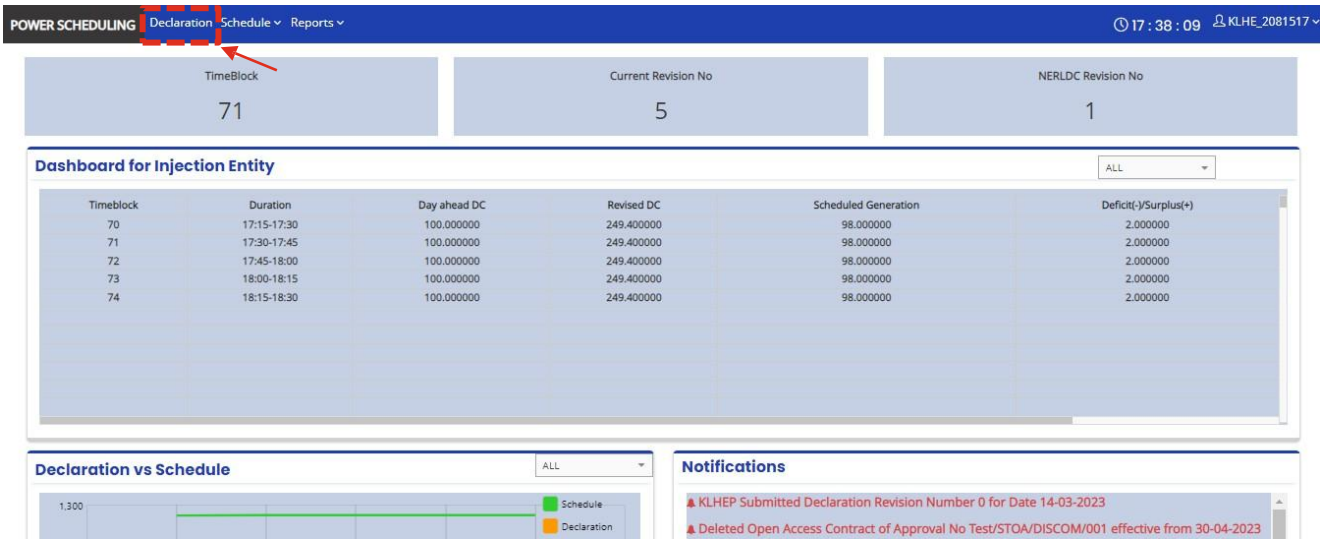


2.2. RevisionofDeclaredCapacity

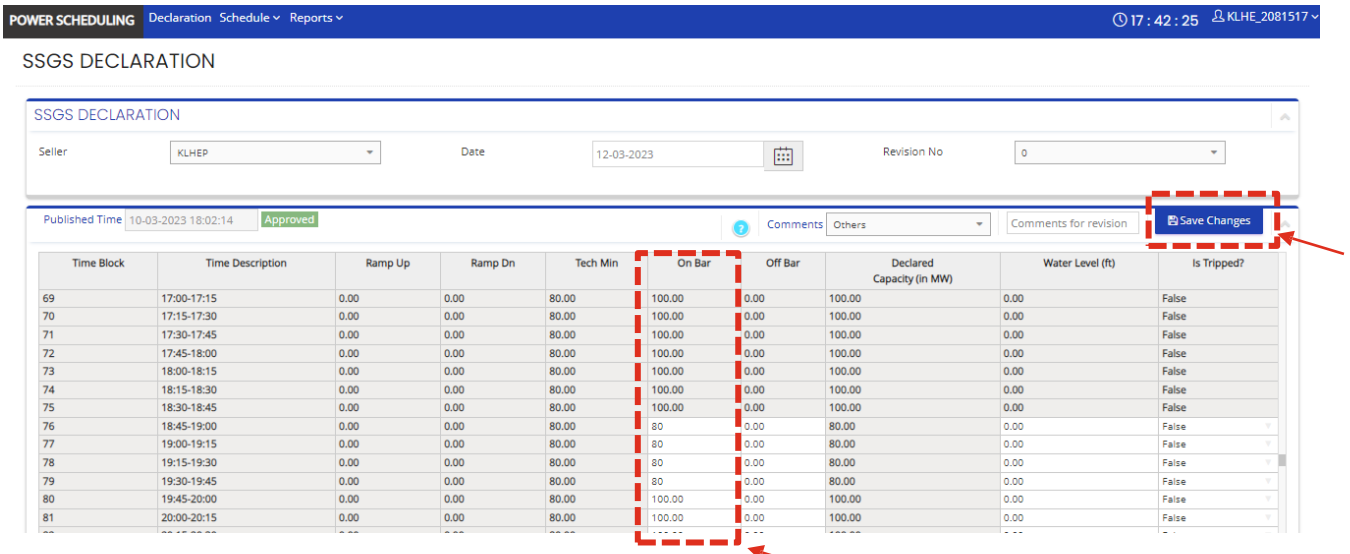
1. Usertologinwiththecredentials



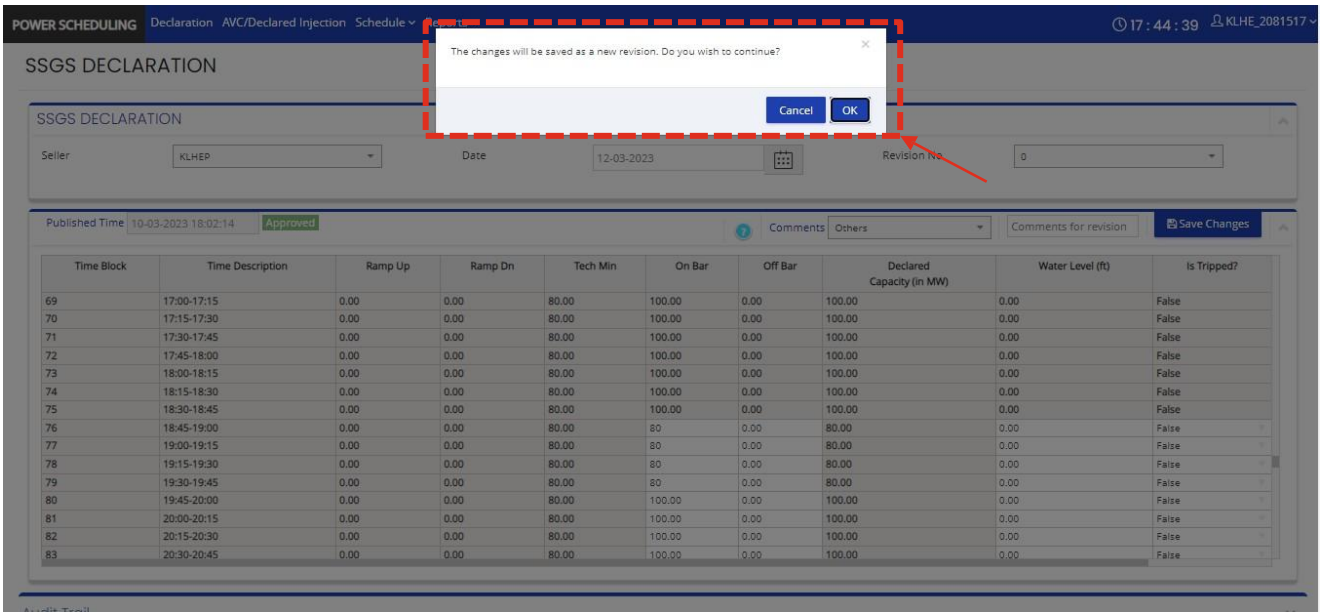
2. Usertoclickon“Declaration”optiononthedashboard



3. User to select the “Date” and update the required details such as On-Bar DC, Off-Bar DC, Comments, etc. for the required time blocks as required. User to click on the “Save Changes” button after filling up the details.

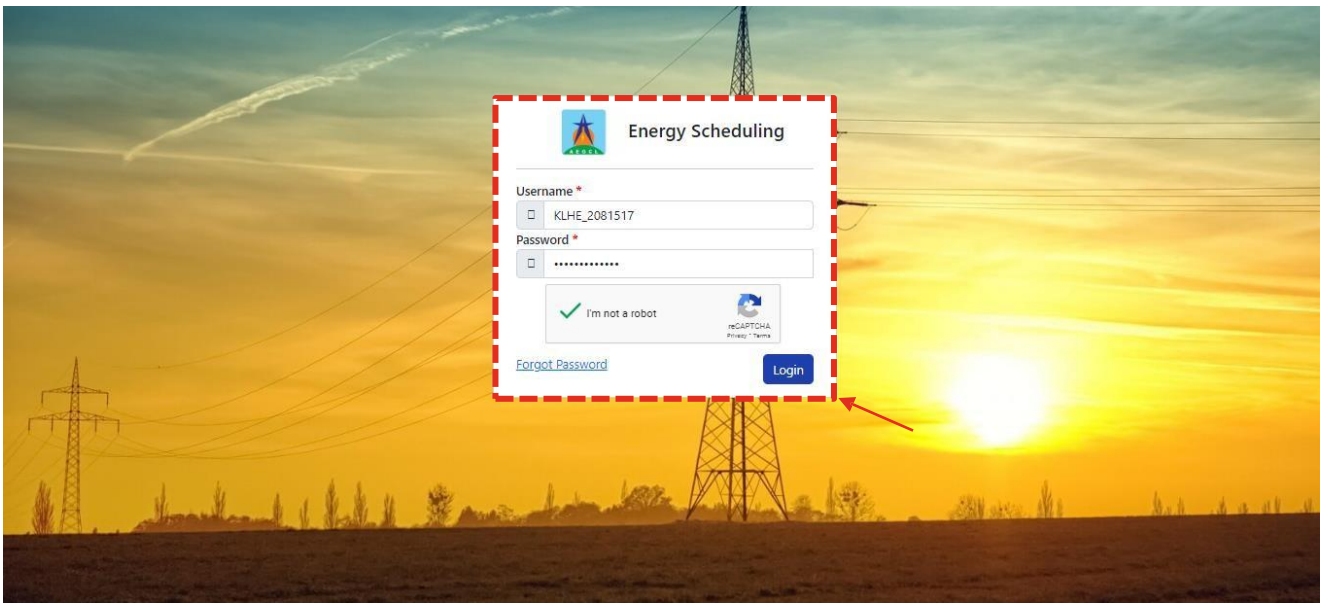


4.Onclickingthe“SaveChanges”button,apop-upwindowshallbedisplayedforfinalconfirmation

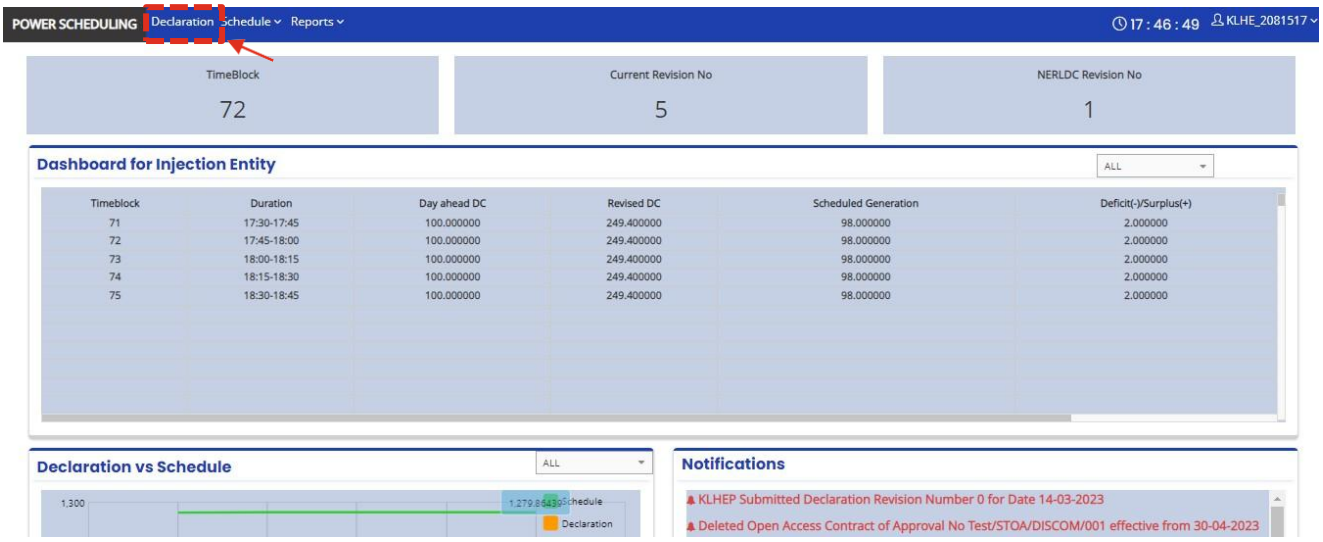


2.3. RevisionofDeclaredCapacityincaseofUnitTripping

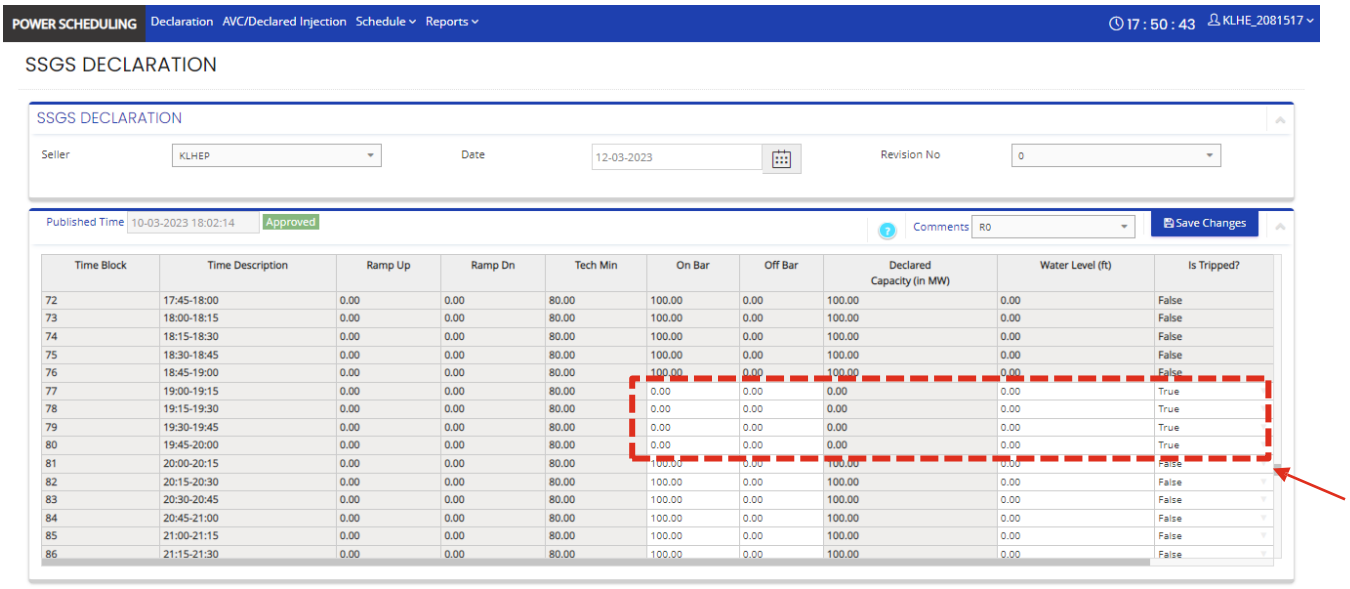
1. Usertologinwiththecredentials



2. Usertoclickon“Declaration”optiononthedashboard

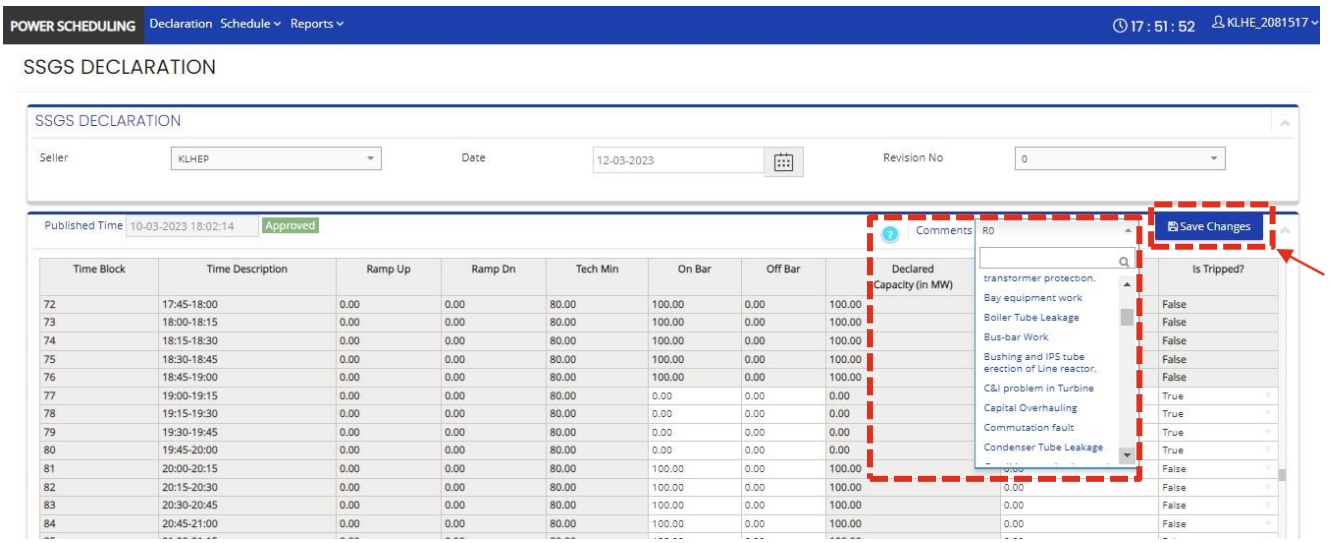


3. Usertoselectthe“Date”andupdatethedeclaredcapacitytherequiredtimeblocksduetotripping.User to select “Is Tripped” option as “True” in case of tripping.

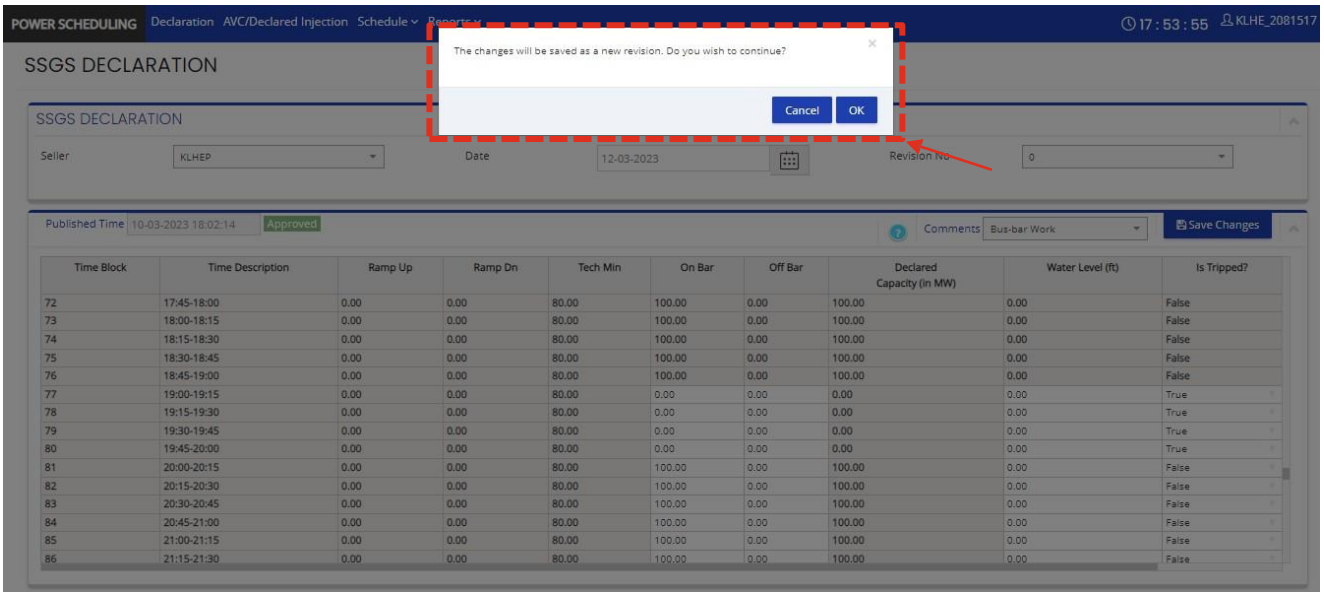


Time Block	Time Description	Ramp Up	Ramp Dn	Tech Min	On Bar	Off Bar	Declared Capacity (in MW)	Water Level (ft)	Is Tripped?
72	17:45-18:00	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
73	18:00-18:15	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
74	18:15-18:30	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
75	18:30-18:45	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
76	18:45-19:00	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
77	19:00-19:15	0.00	0.00	80.00	0.00	0.00	0.00	0.00	True
78	19:15-19:30	0.00	0.00	80.00	0.00	0.00	0.00	0.00	True
79	19:30-19:45	0.00	0.00	80.00	0.00	0.00	0.00	0.00	True
80	19:45-20:00	0.00	0.00	80.00	0.00	0.00	0.00	0.00	True
81	20:00-20:15	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
82	20:15-20:30	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
83	20:30-20:45	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
84	20:45-21:00	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
85	21:00-21:15	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
86	21:15-21:30	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False

5. Usertoselectappropriatetrippingreasonfromthe“Comments”sectionfortherequiredtimeblocks.User to click on the “Save Changes” button after filling up the details.



6. Onclickingthe“SaveChanges”button,apop-upwindowshallbedisplayedforfinalconfirmation

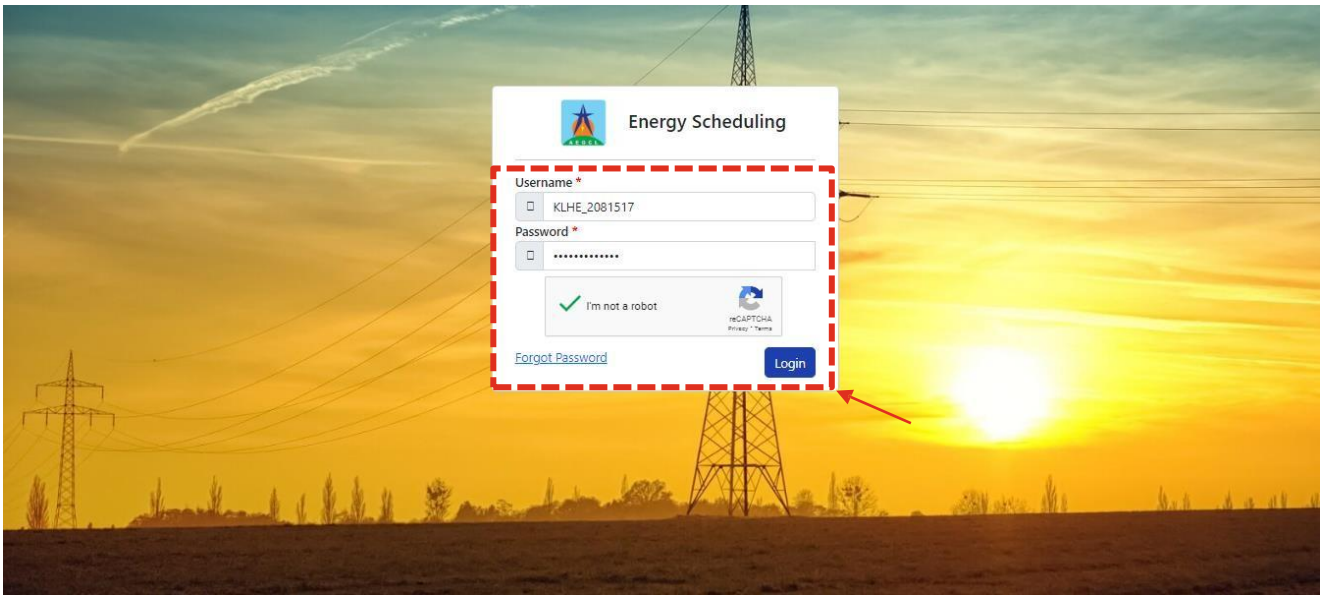


Time Block	Time Description	Ramp Up	Ramp Dn	Tech Min	On Bar	Off Bar	Declared Capacity (in MW)	Water Level (ft)	Is Tripped?
72	17:45-18:00	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
73	18:00-18:15	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
74	18:15-18:30	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
75	18:30-18:45	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
76	18:45-19:00	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
77	19:00-19:15	0.00	0.00	80.00	0.00	0.00	0.00	0.00	True
78	19:15-19:30	0.00	0.00	80.00	0.00	0.00	0.00	0.00	True
79	19:30-19:45	0.00	0.00	80.00	0.00	0.00	0.00	0.00	True
80	19:45-20:00	0.00	0.00	80.00	0.00	0.00	0.00	0.00	True
81	20:00-20:15	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
82	20:15-20:30	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
83	20:30-20:45	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
84	20:45-21:00	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
85	21:00-21:15	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False
86	21:15-21:30	0.00	0.00	80.00	100.00	0.00	100.00	0.00	False

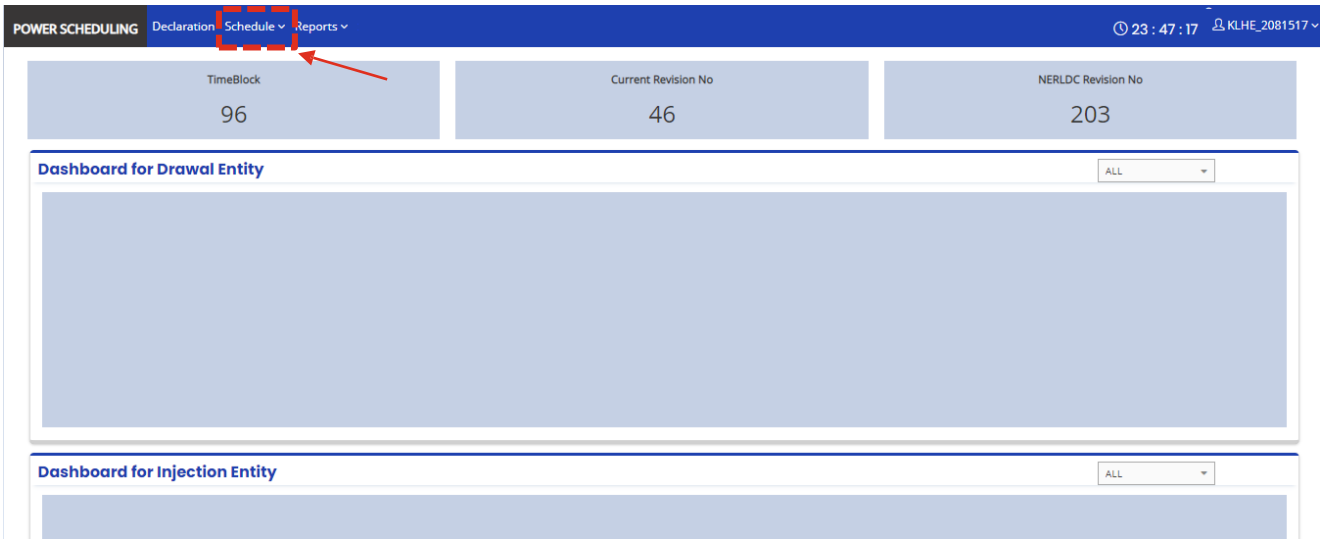
3. InjectionScheduleforthe Entity

3.1. ViewInjection Schedule

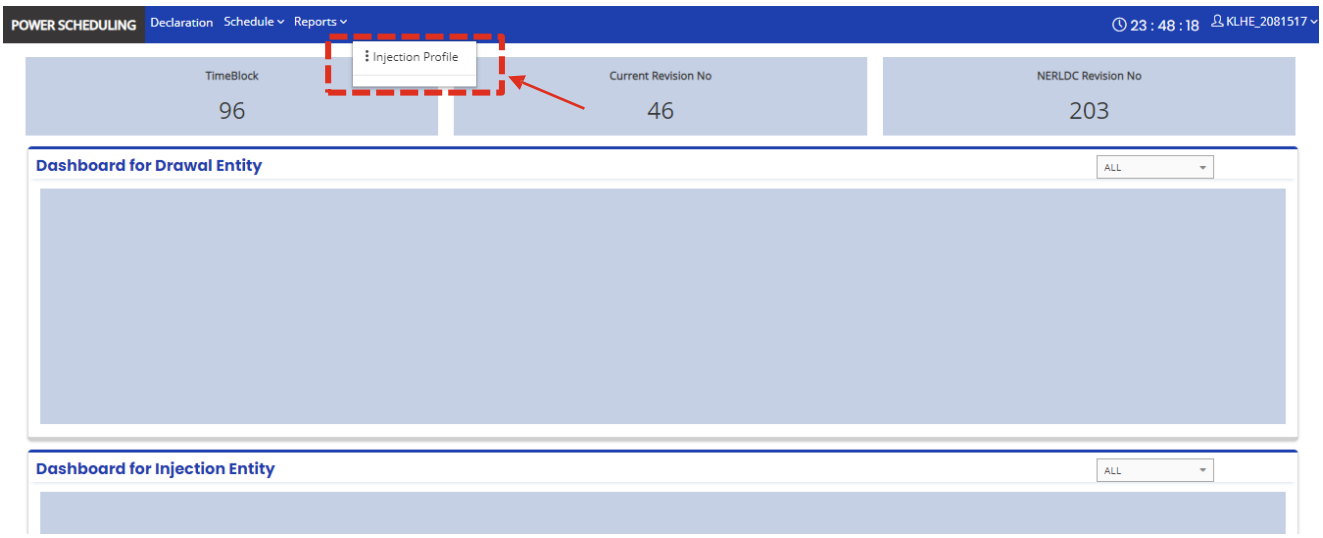
1. Usertologinwiththecredentials



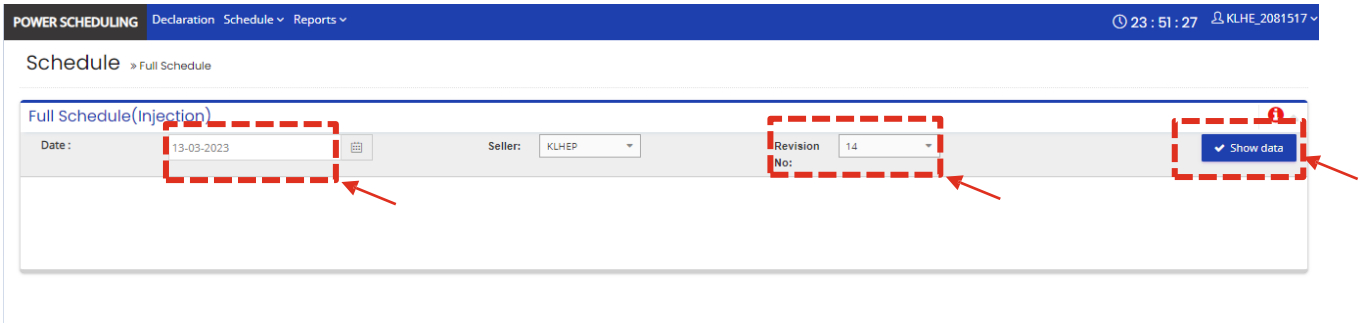
2. Usertoclickon“Schedule”optiononthedashboard



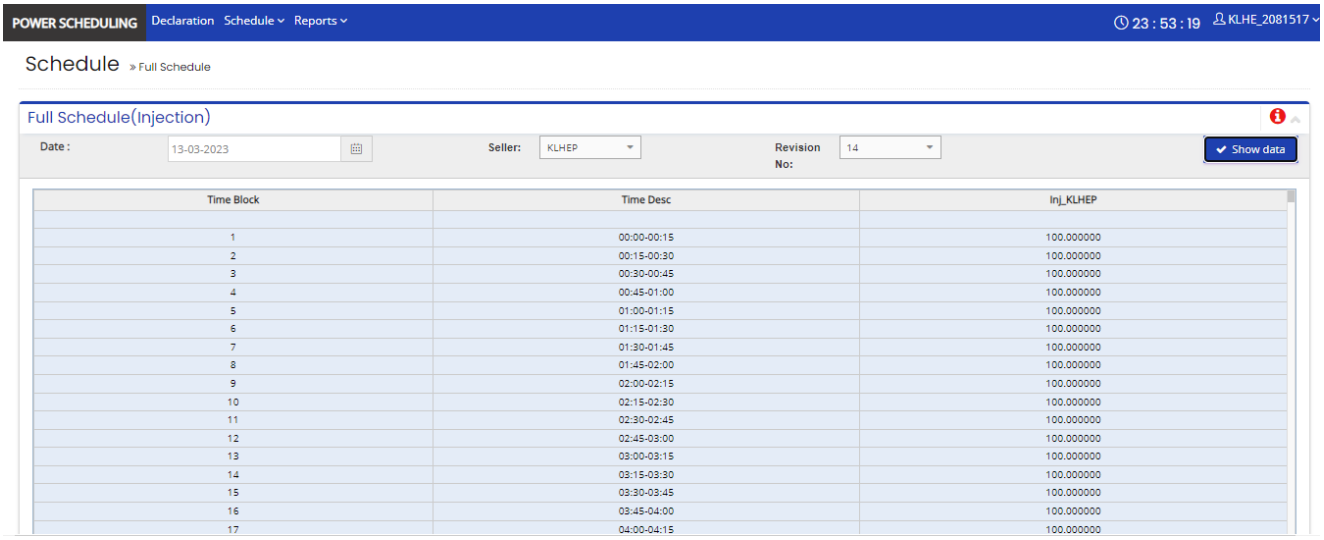
3. Usertoselect“InjectionProfile”option



4. Usertoselect“Date”&“RevisionNo”andthenclickon“ShowData”



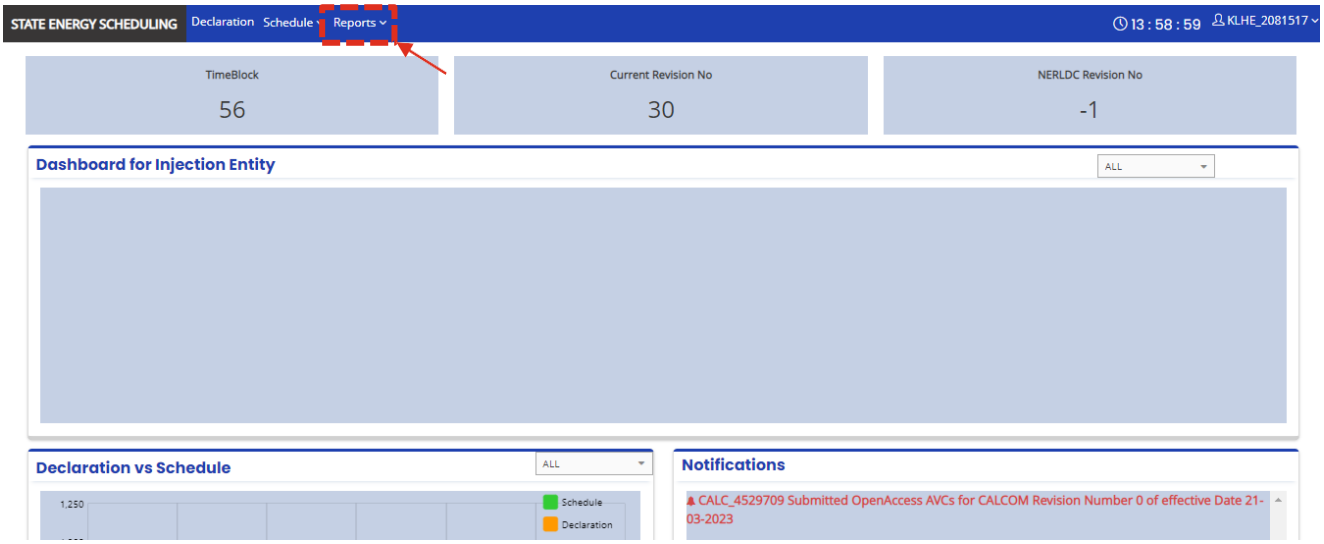
5. Systemshalldisplaytheinjectionscheduleforentity



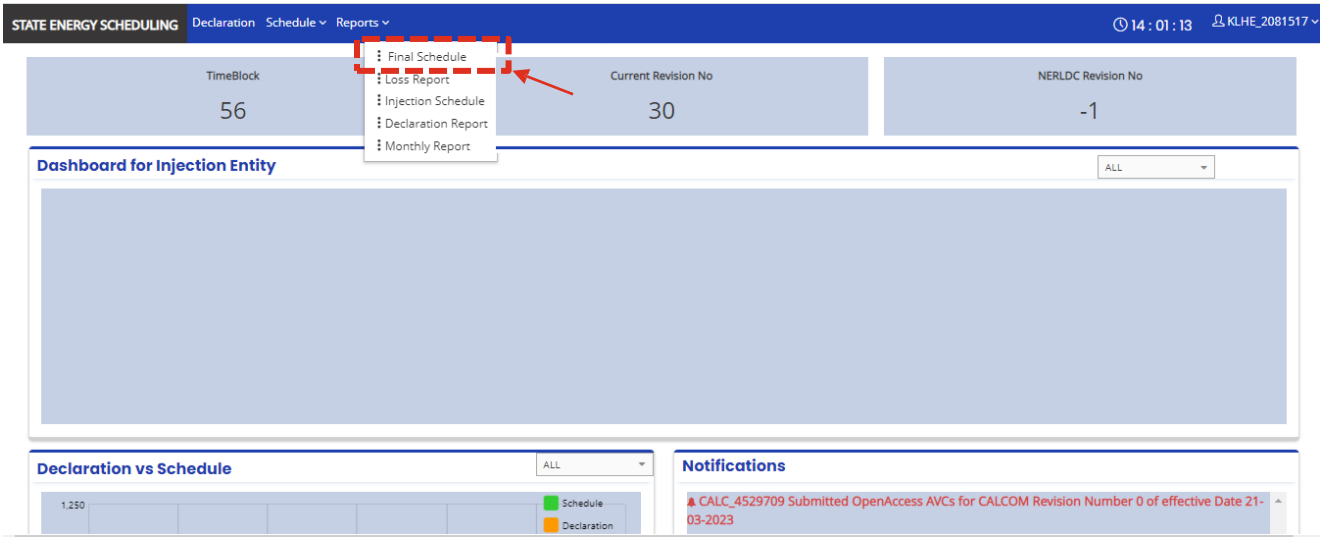
4. Reports

4.1. FinalScheduleReport

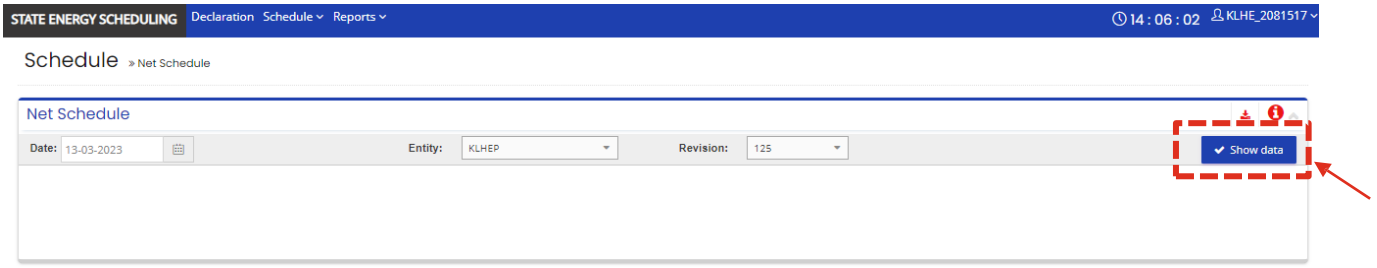
1. Usertoclickon“Reports”tabonthehome page



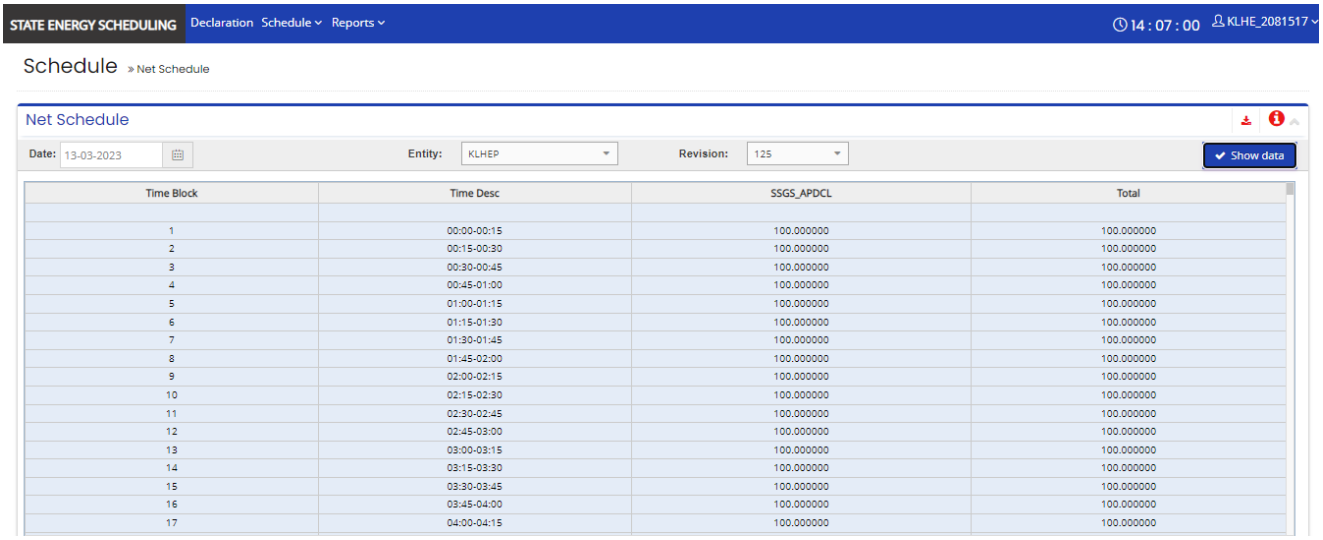
2. Usertoclickonthe“FinalSchedule”fromthedrop-downmenu



3. Usertoselect“Date”,“Entityand“Revision”andclickon“ShowData”toviewreport

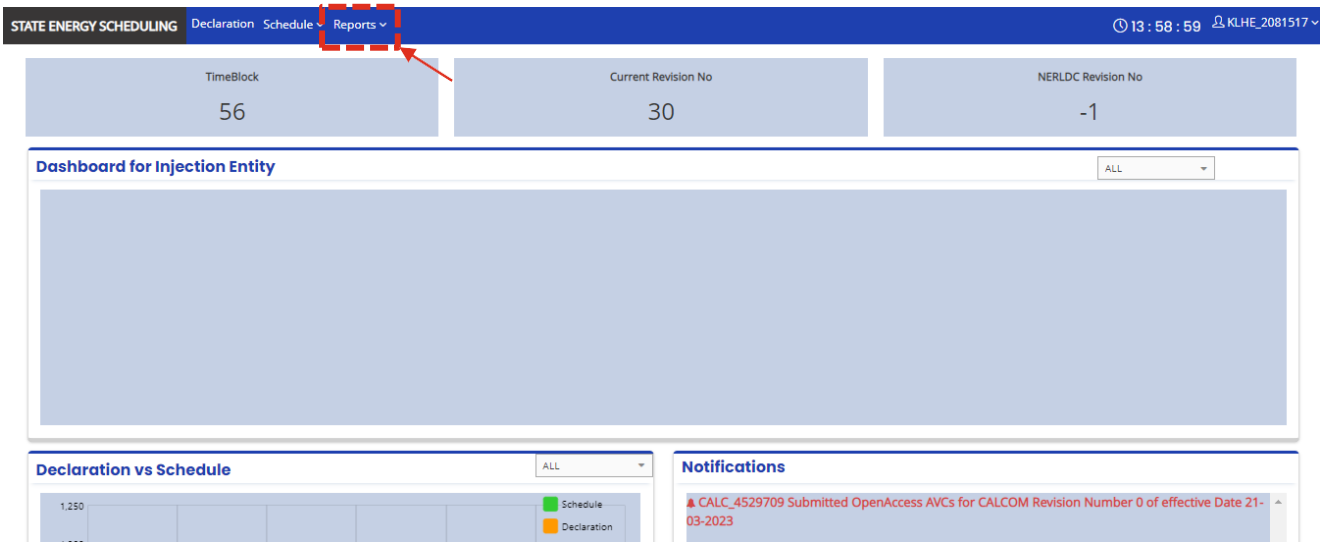


4. Thereportshallbedisplayedbythesysteminthe followingtemplateandthesamecanbedownloaded in pdf, csv and excel formats

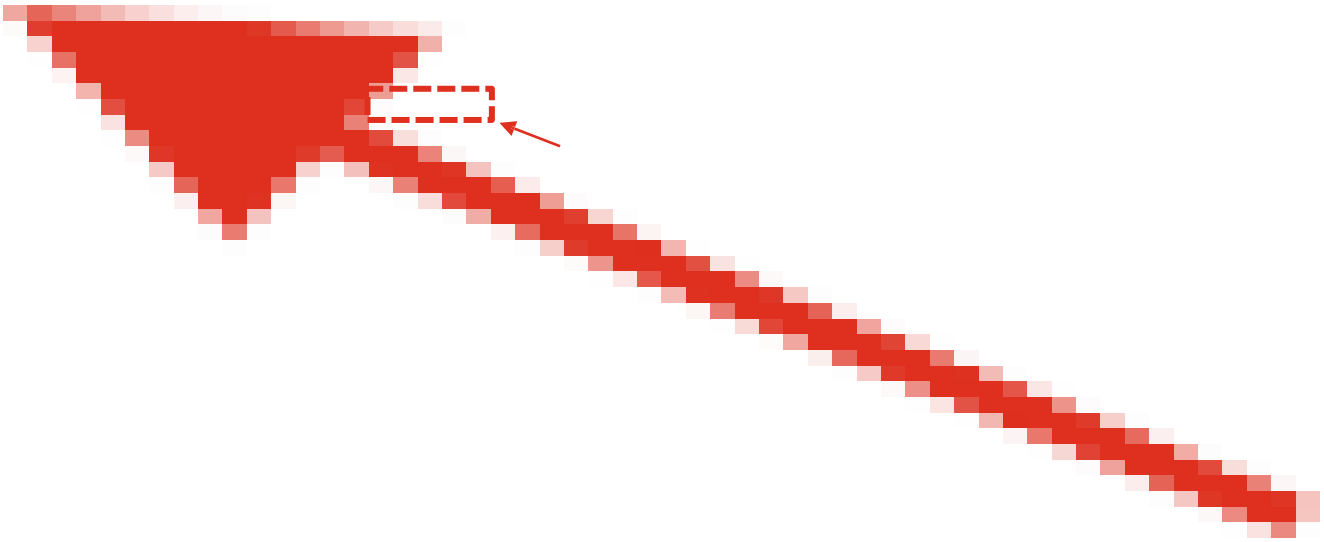


4.2. InjectionScheduleReport

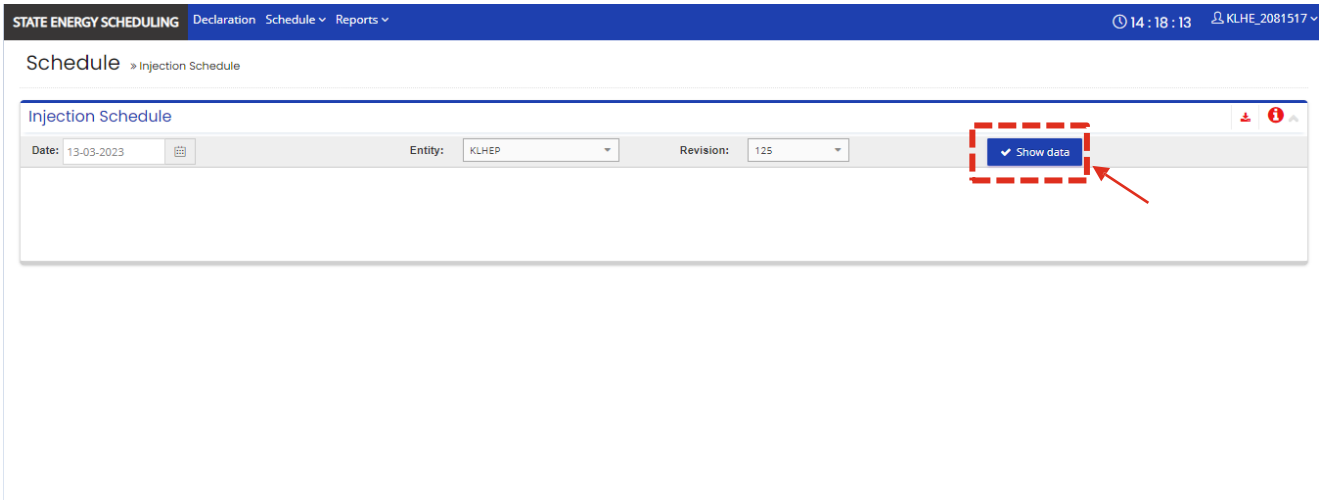
1. Usertoclickon“Reports”tabonthehome page



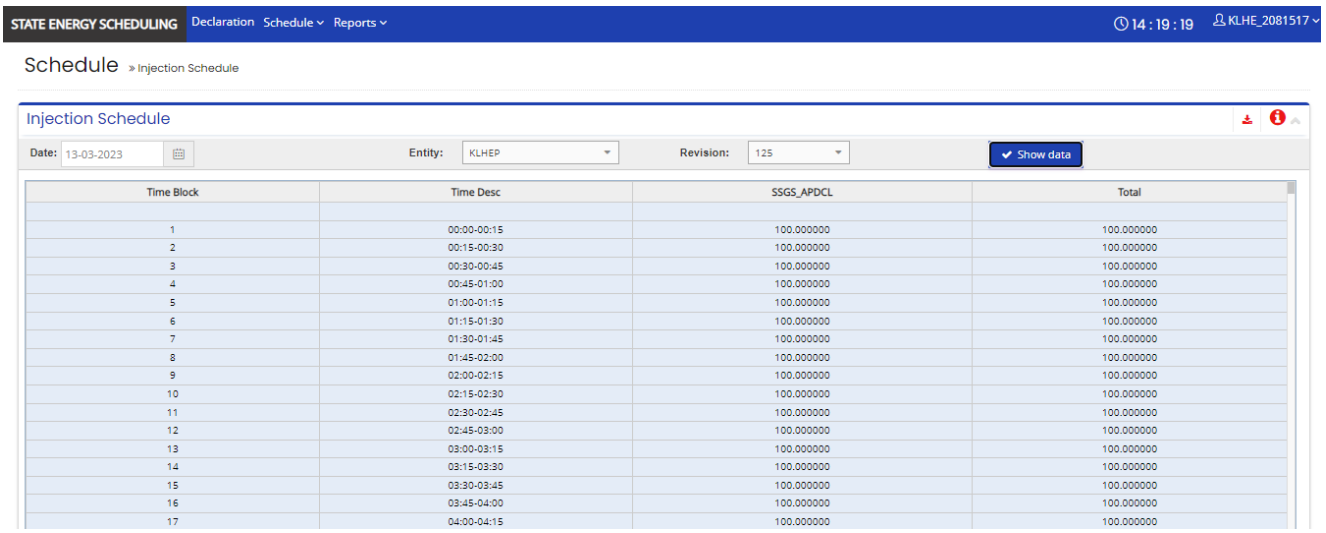
2. Usertoclickonthe“InjectionSchedule”fromthedrop-downmenu



3. Usertoselect“Date”&“Revision”andclickon“ShowData”toviewreport

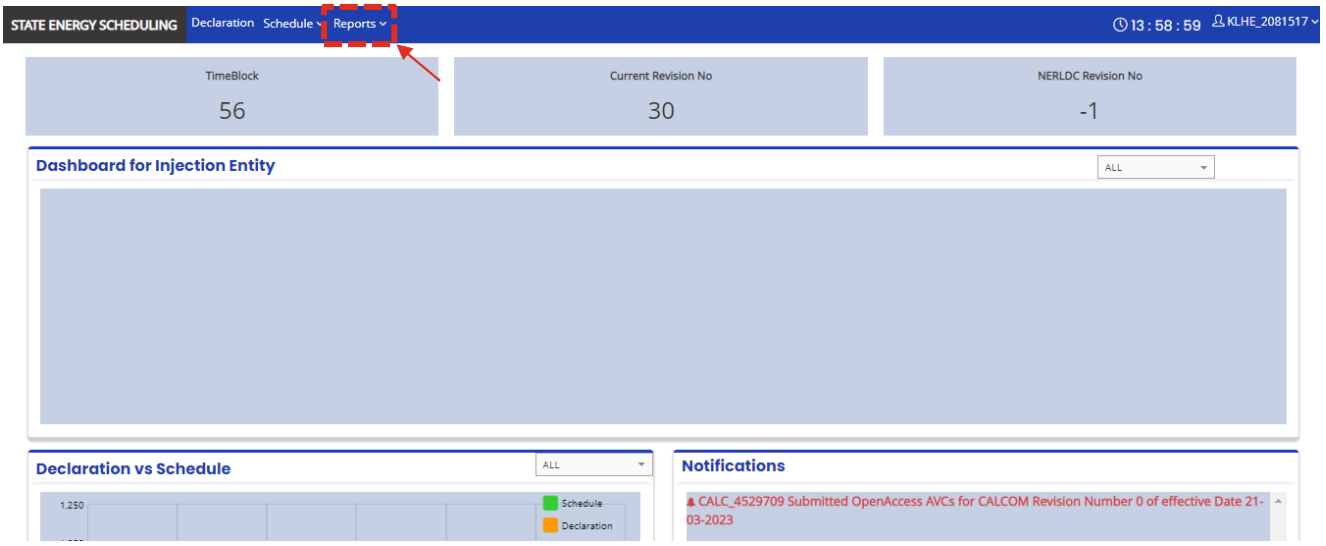


4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbedownloaded in pdf, csv and excel formats

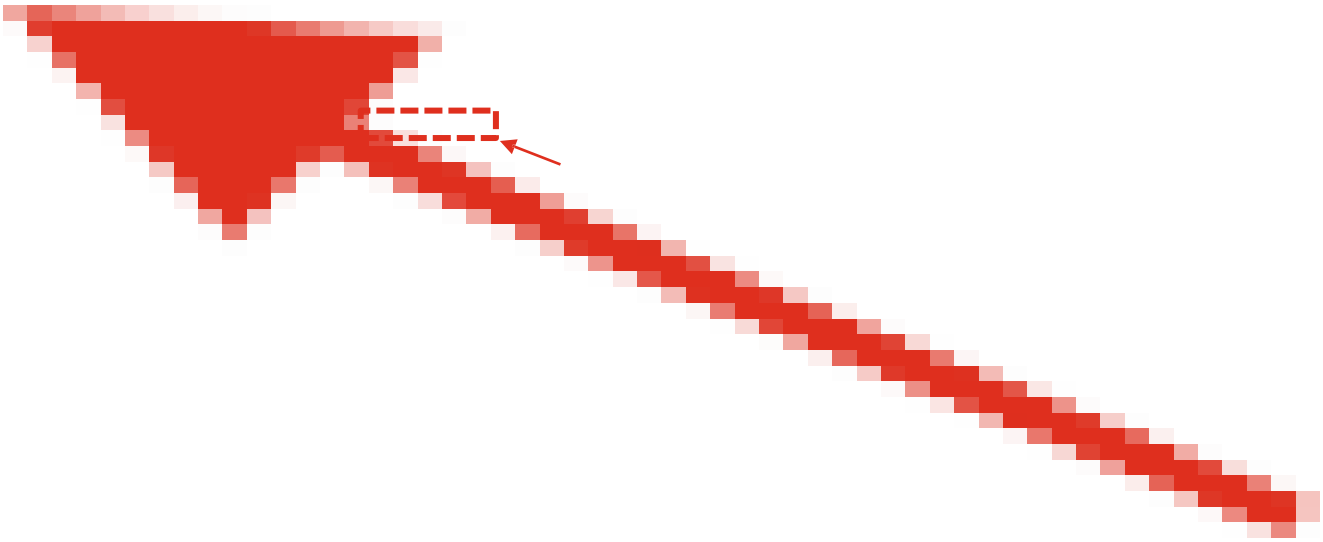


4.3. DeclarationReport

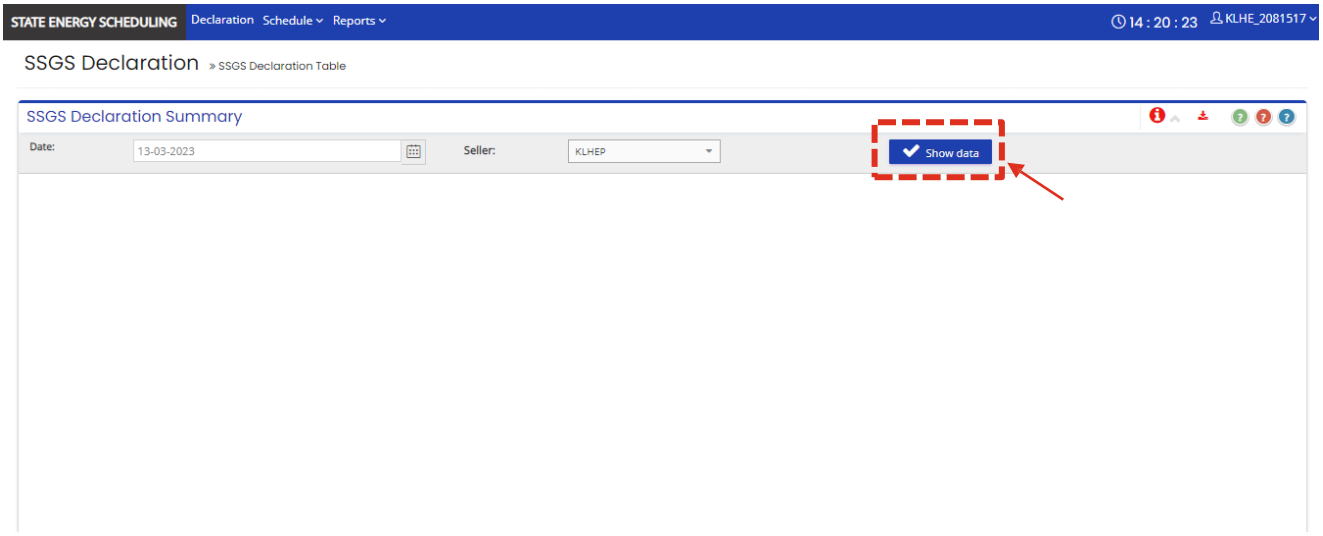
1. Usertoclickon“Reports”tabonthehome page



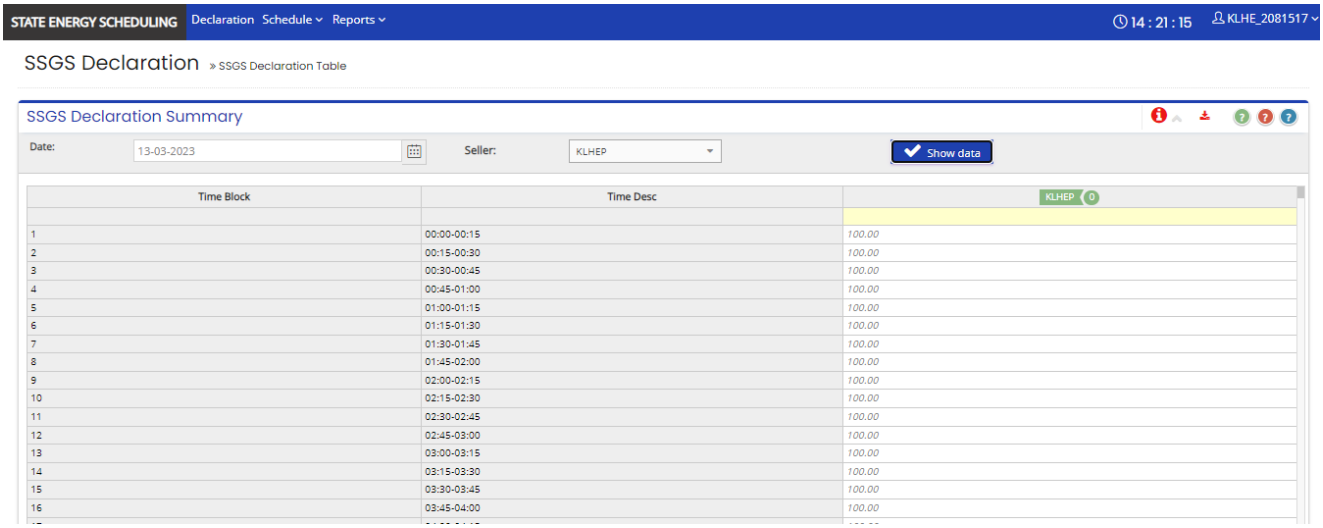
2. Usertoclickonthe“DeclarationReport”fromthedrop-down menu



3. Usertoselect“Date”&“Seller”andclickon“ShowData”toviewreport

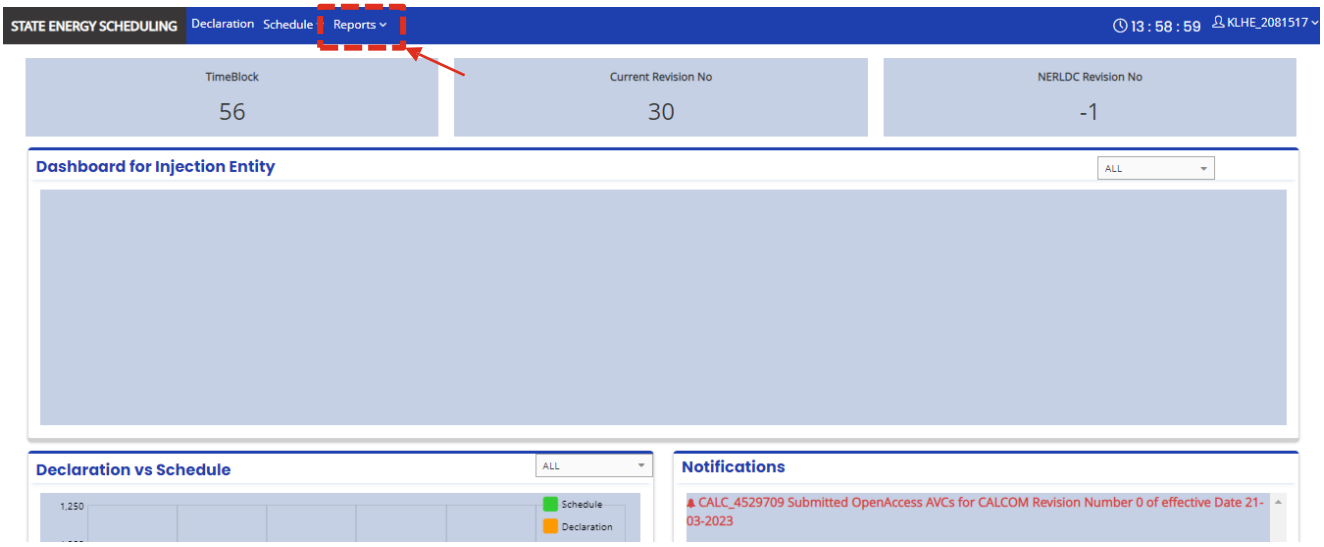


4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbedownloaded in pdf, csv and excel formats

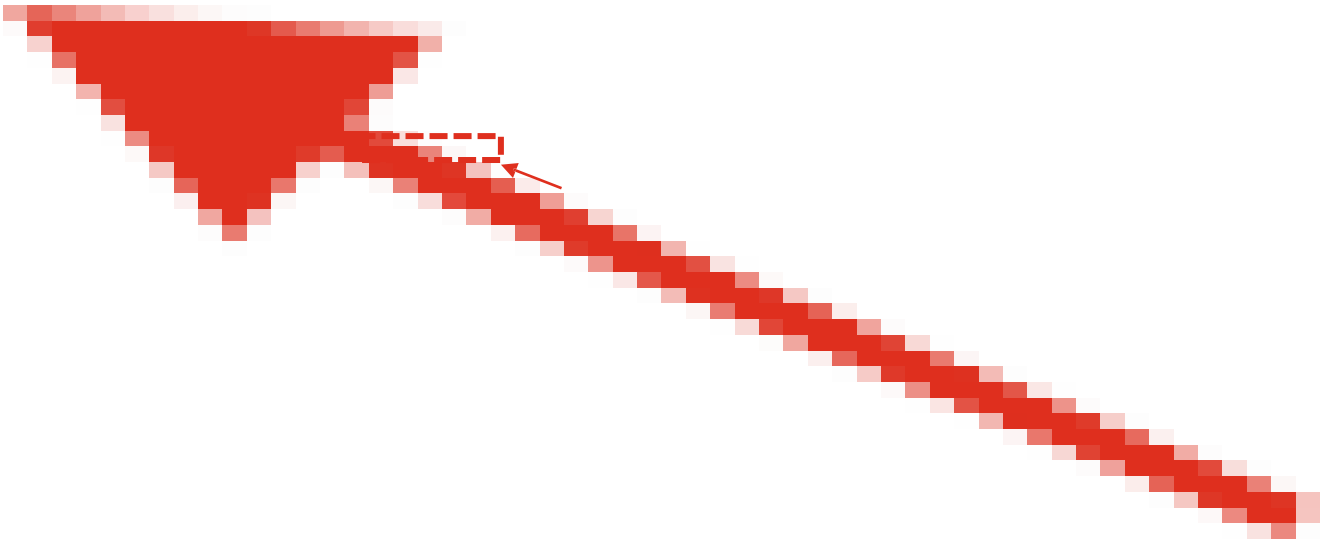


4.4. MonthlyReport

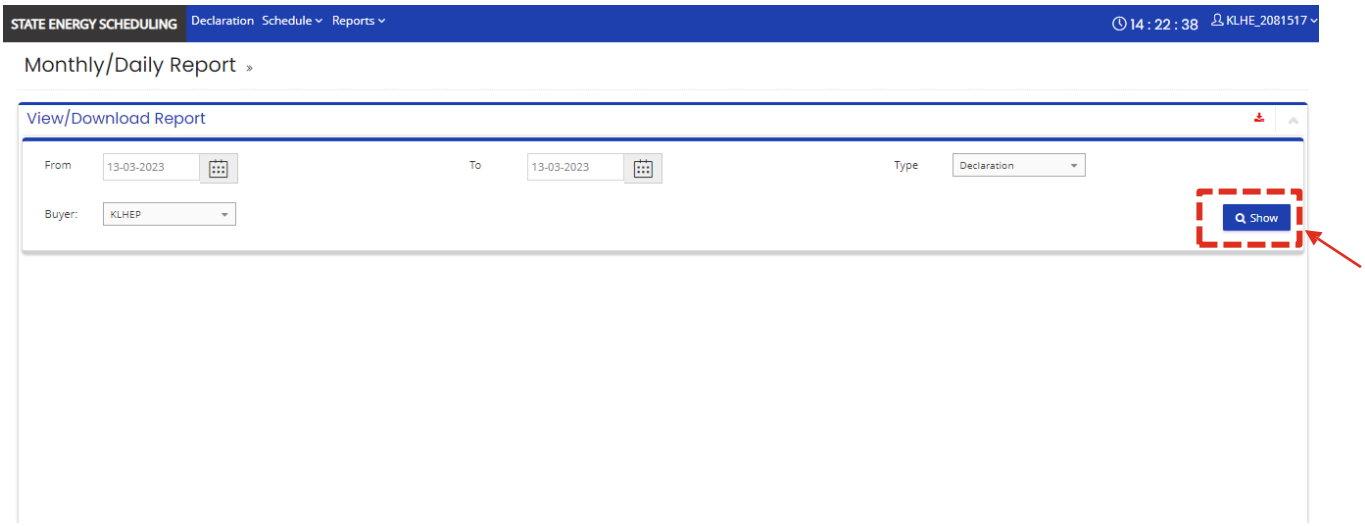
1. Usertoclickon“Reports”tabonthehome page



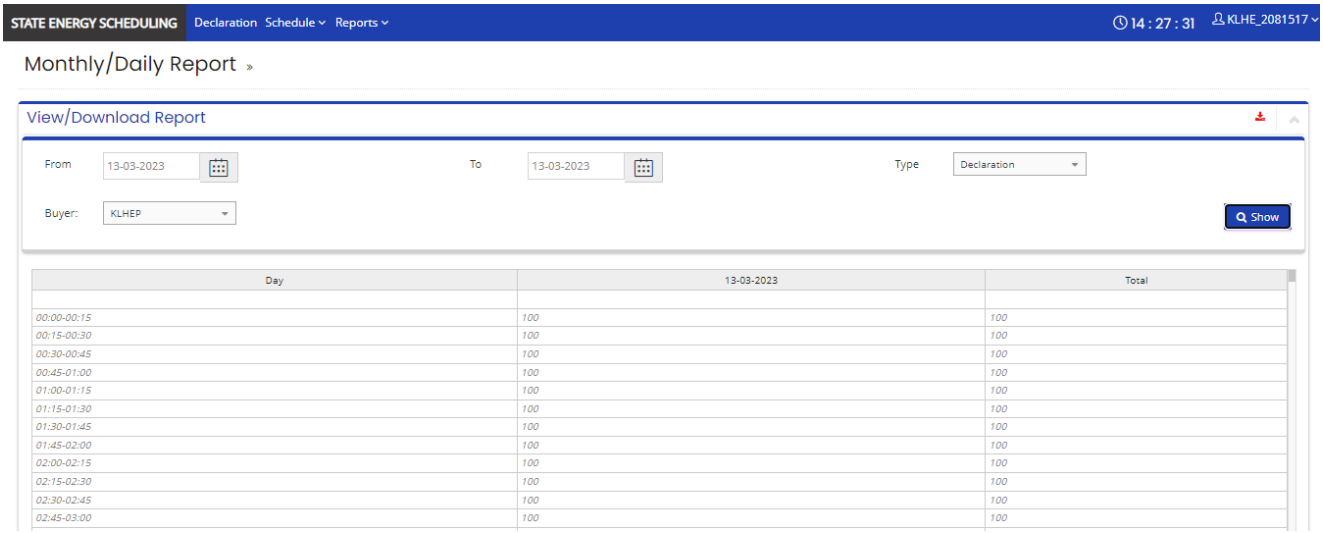
2. Usertoclickonthe“MonthlyReport”fromthedrop-downmenu



3. User to select “From Date”, “To Date” & “Type (Declaration / Injection Schedule)” and click on “ShowData” to view report



4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbedownloaded in pdf, csv and excel formats



UserManualDocument

SAMASTFORSLDC(ASSAM) ENERGY SCHEDULING

UserManualforIndependentPowerProducers and Captive Power Producers

Date:14-03-2023
Version:#1

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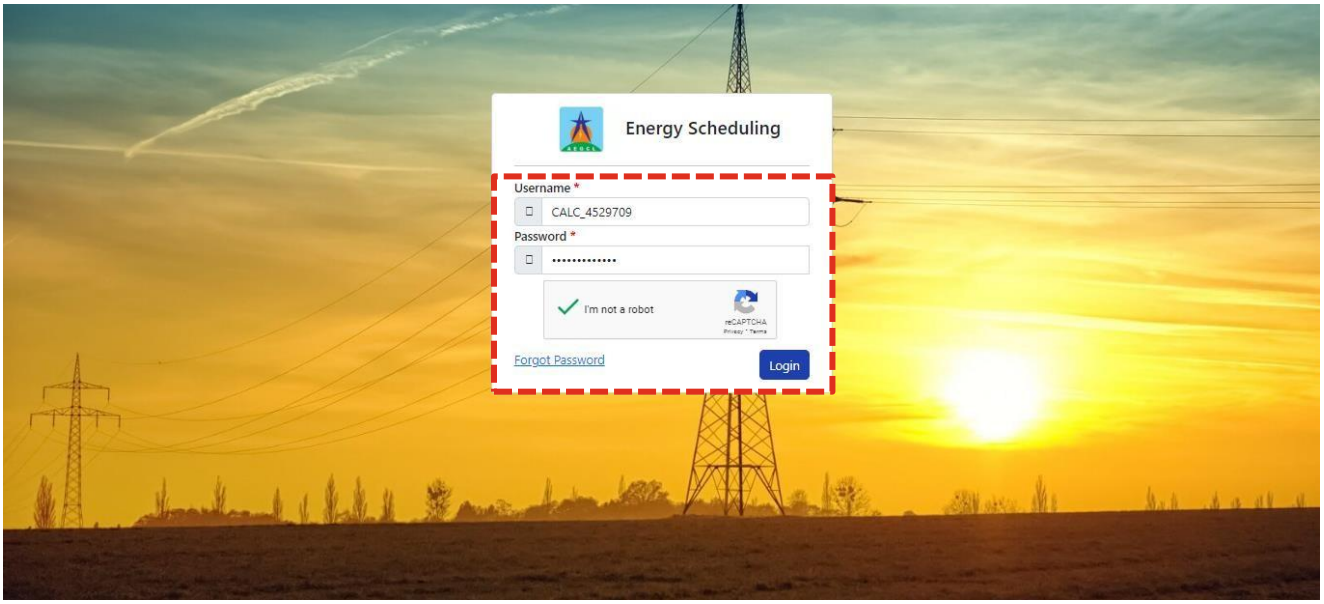
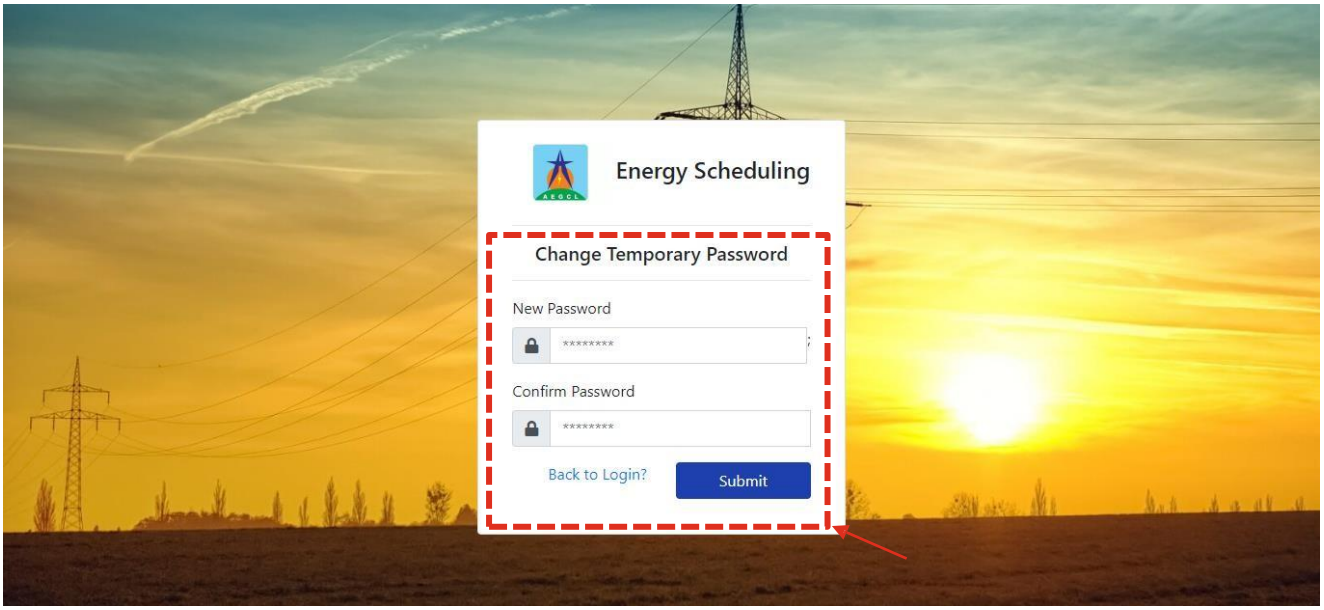
1. User login

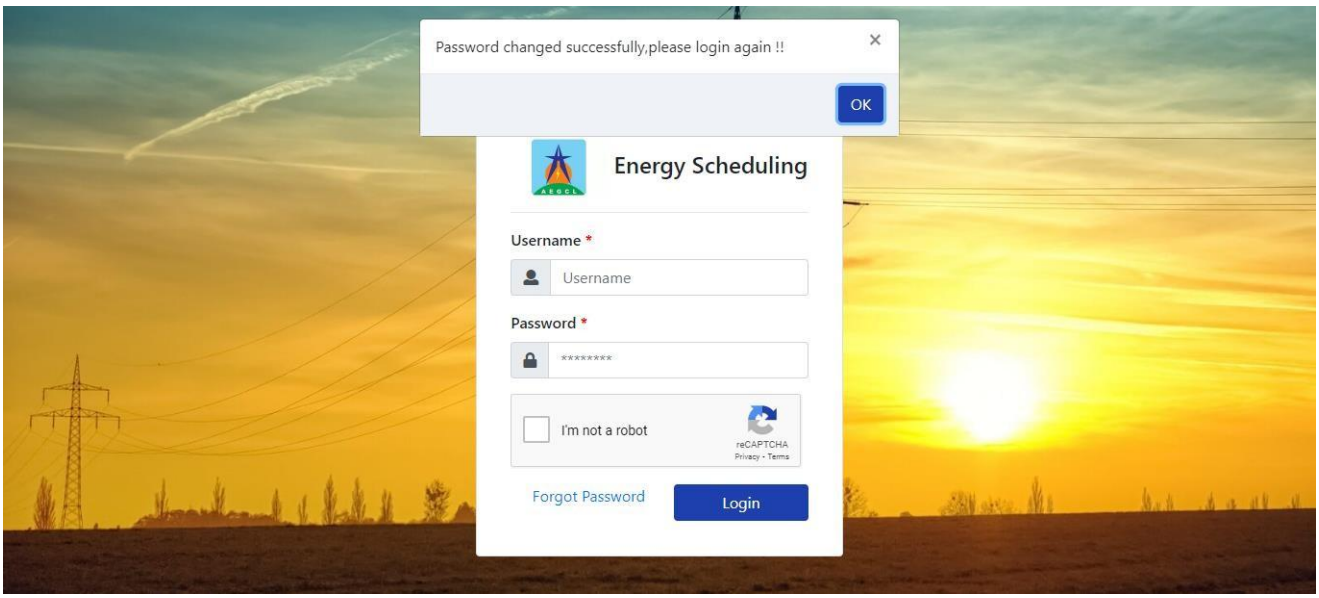
1. Usertoopenthe“EnergySchedulingModule”
2. User to login with the verification code received on registered email after creation of the credentials by the system administrator



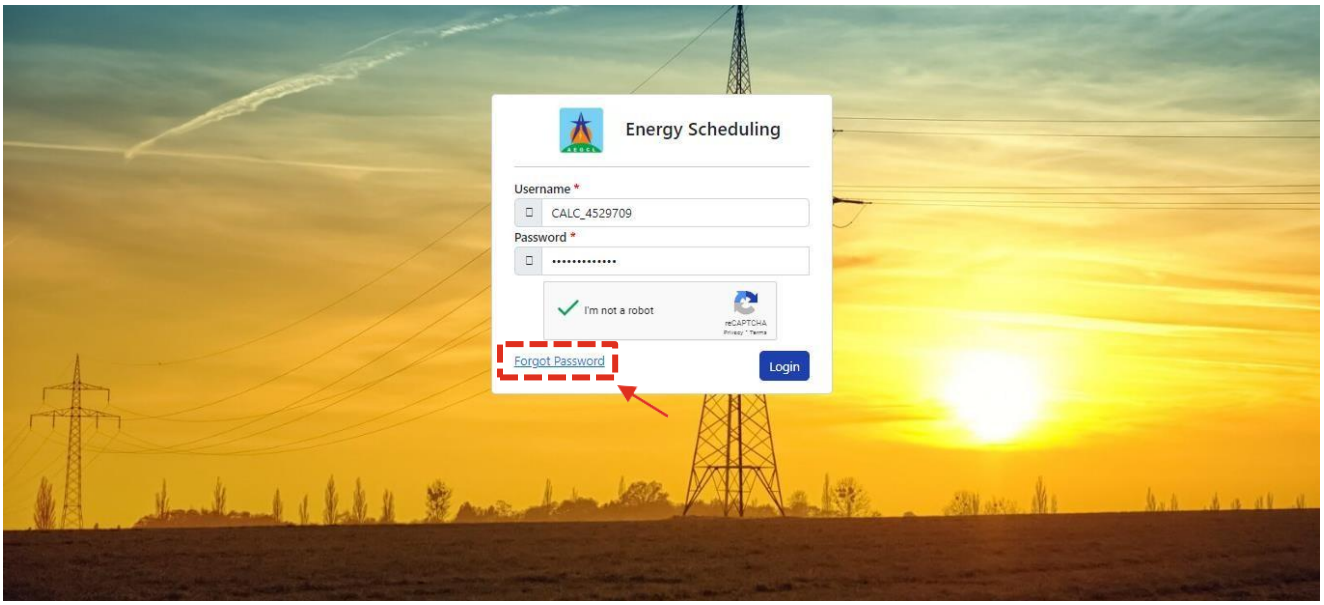
3. Usertoresetthepasswordasperitschoiceandclickon“Submit”button



4. Apop-upmessageshallbedisplayedtotheuseronsuccessfulcompletionofthepasswordsetting process



5. Usercanresetpasswordbychoosing“ForgetPassword”option

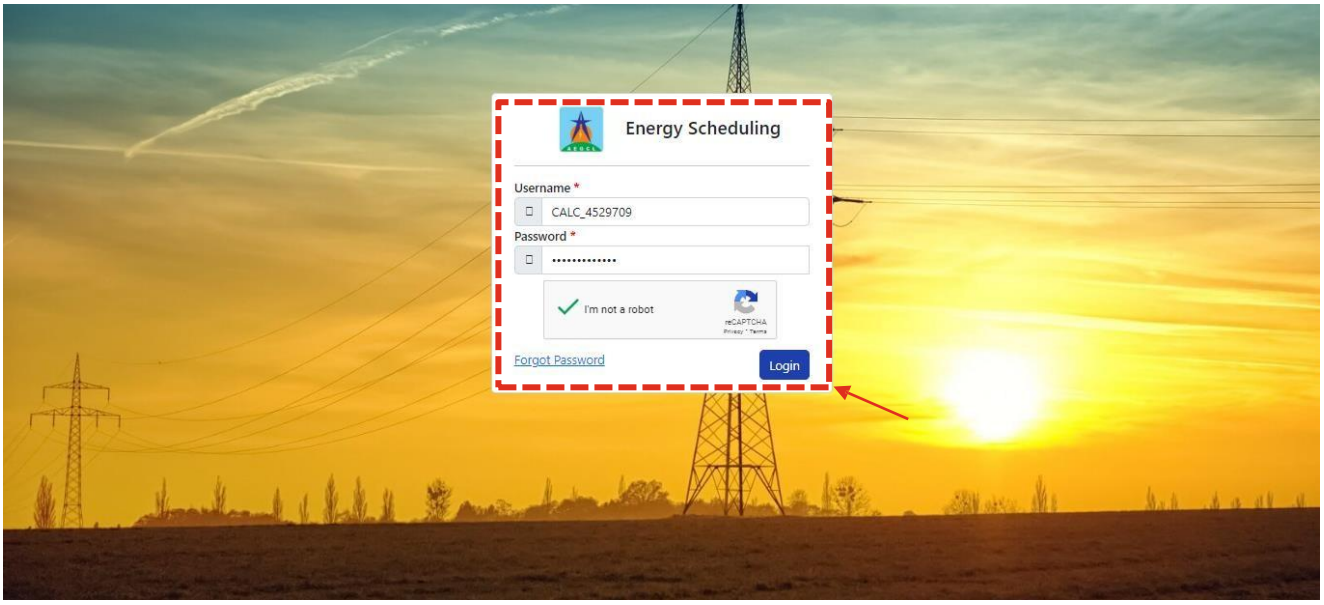


2. SubmissionofDeclared Capacity

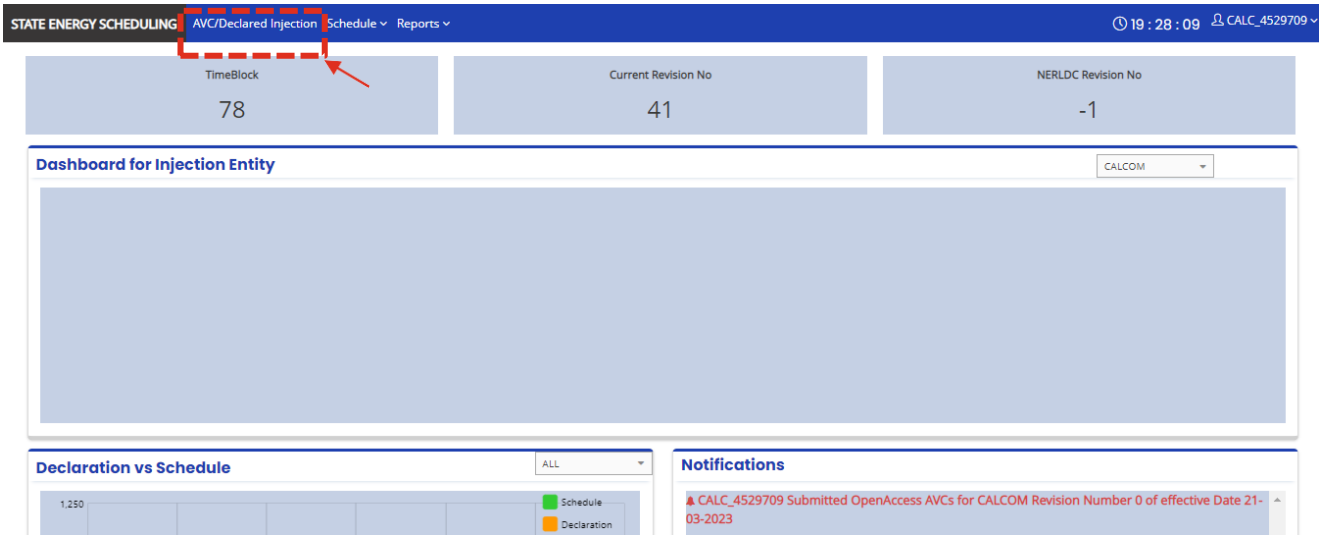
[AVC is applicable for renewable energy fuel based generators and declared injection for non-renewable fuelbased generators in the state]

2.1. InitialAVC/DeclaredInjection

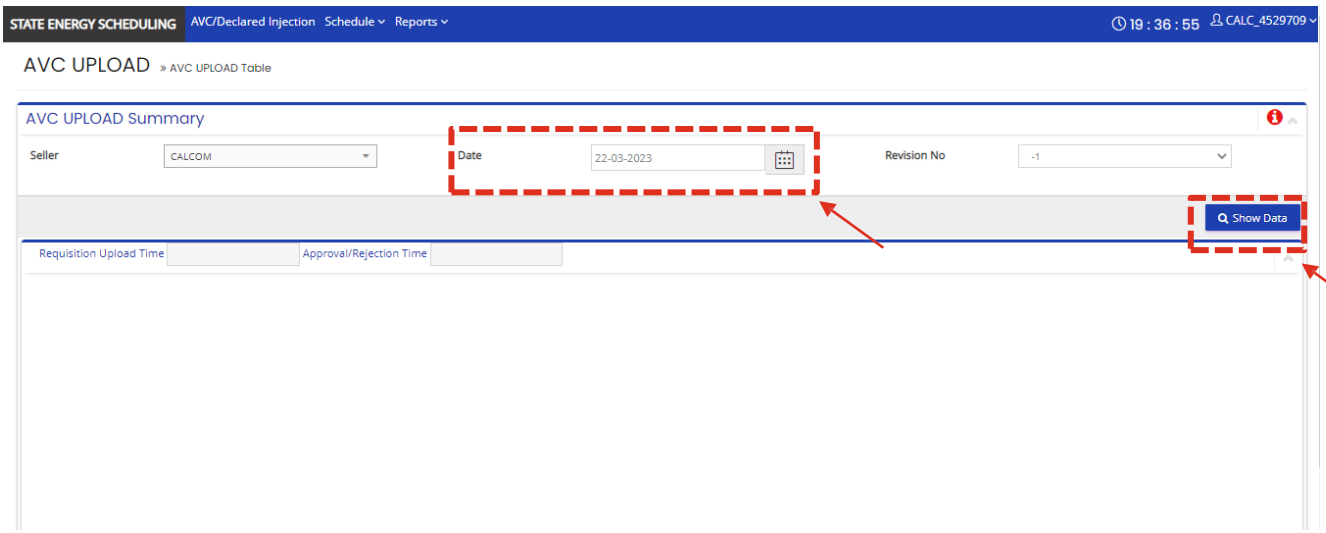
1. Usertologinwiththecredentials



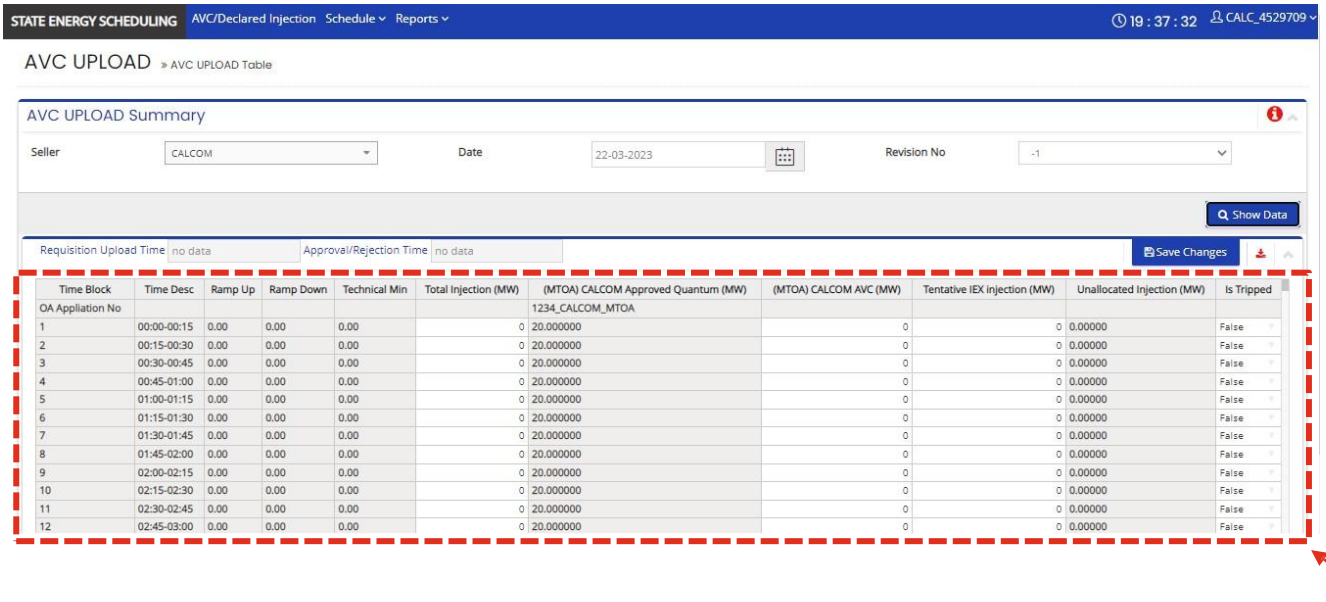
2. Usertoclickon“AVC/DeclaredInjection”optiononthedashboard



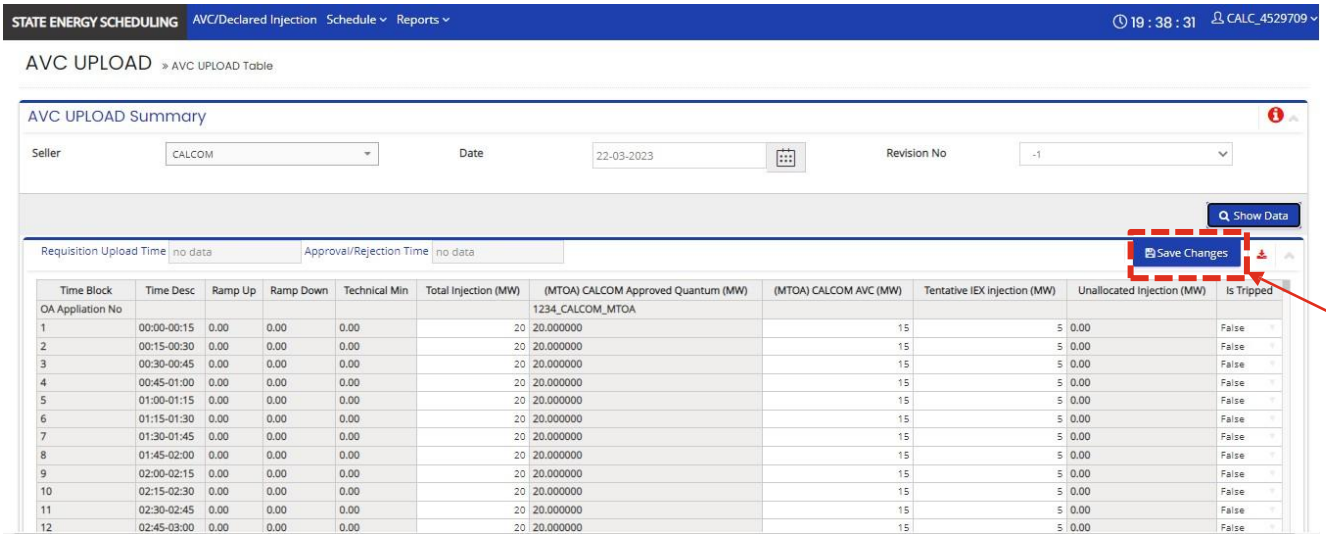
3. Usertoselectthe“Date”andclickon“ShowData”



4. Usertofillup therequireddetails suchastotal injectionavailability inMW,contract-wiseavailabilitiesin MW, tentative IEX injection in MW, etc. on block-wise and day-ahead basis

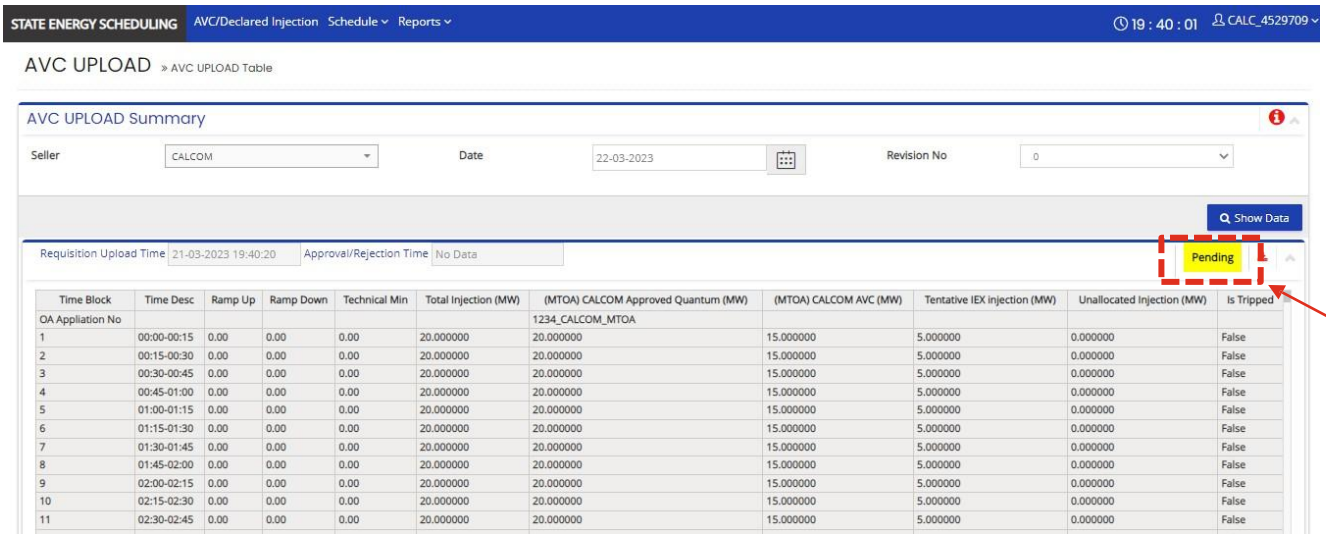


5. Usertoclickonthe“SaveChanges”buttonafterfillingupthedetails



Time Block	Time Desc	Ramp Up	Ramp Down	Technical Min	Total Injection (MW)	(MTOA) CALCOM Approved Quantum (MW)	(MTOA) CALCOM AVC (MW)	Tentative IEX injection (MW)	Unallocated Injection (MW)	Is Tripped
OA Appliation No						1234_CALCOM_MTOA				
1	00:00-00:15	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
2	00:15-00:30	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
3	00:30-00:45	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
4	00:45-01:00	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
5	01:00-01:15	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
6	01:15-01:30	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
7	01:30-01:45	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
8	01:45-02:00	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
9	02:00-02:15	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
10	02:15-02:30	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
11	02:30-02:45	0.00	0.00	0.00	20	20.000000	15	5	0.00	False
12	02:45-03:00	0.00	0.00	0.00	20	20.000000	15	5	0.00	False

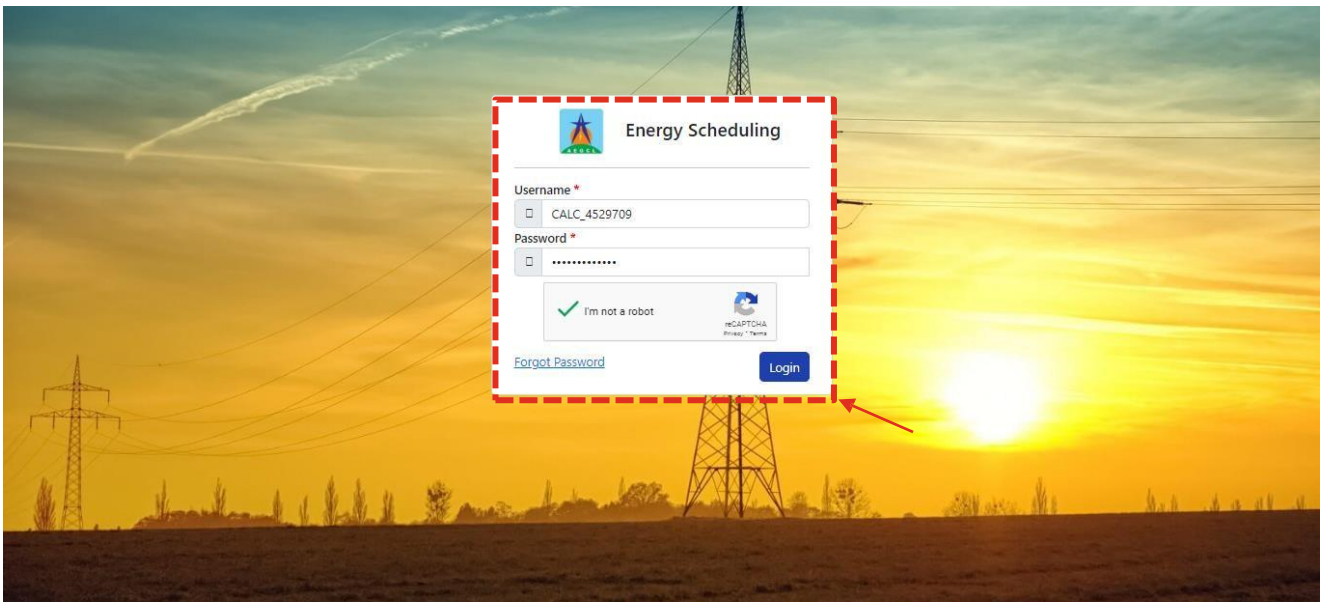
6. Onclickingthe“SaveChanges”button,theAVC/declaredinjectionshallbesubmittedinthesystemand the same shall be in “Pending” status until processed by SLDC



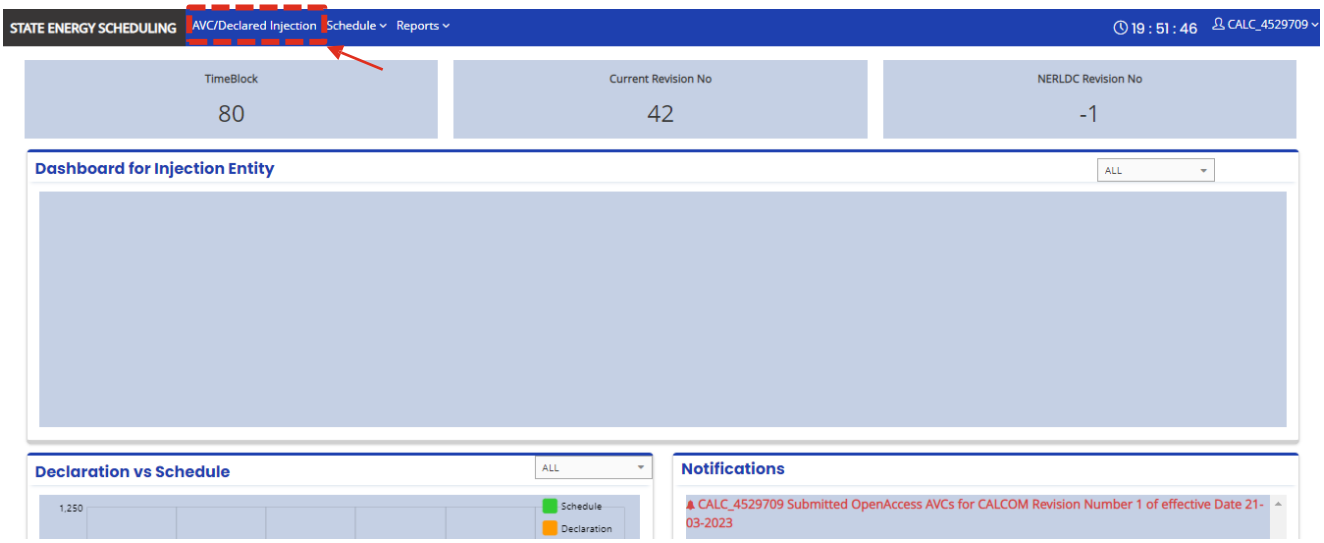
Time Block	Time Desc	Ramp Up	Ramp Down	Technical Min	Total Injection (MW)	(MTOA) CALCOM Approved Quantum (MW)	(MTOA) CALCOM AVC (MW)	Tentative IEX injection (MW)	Unallocated Injection (MW)	Is Tripped
OA Appliation No						1234_CALCOM_MTOA				
1	00:00-00:15	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
2	00:15-00:30	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
3	00:30-00:45	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
4	00:45-01:00	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
5	01:00-01:15	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
6	01:15-01:30	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
7	01:30-01:45	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
8	01:45-02:00	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
9	02:00-02:15	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
10	02:15-02:30	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False
11	02:30-02:45	0.00	0.00	0.00	20.000000	20.000000	15.000000	5.000000	0.000000	False

2.2. RevisionofAVC/DeclaredInjection

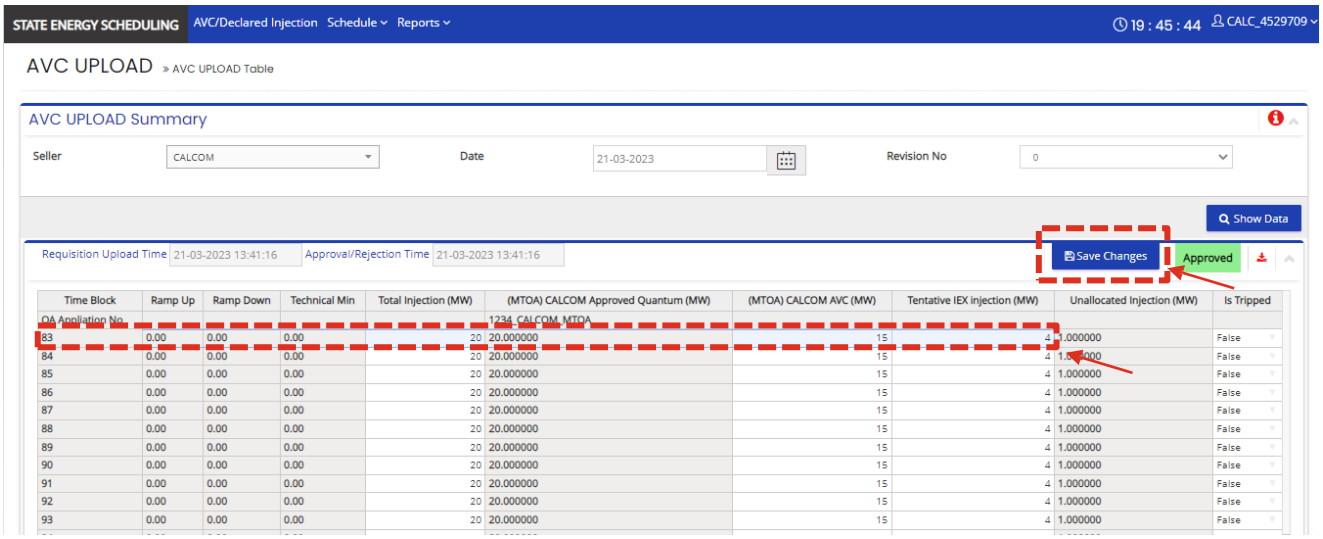
1. Usertologinwiththecredentials



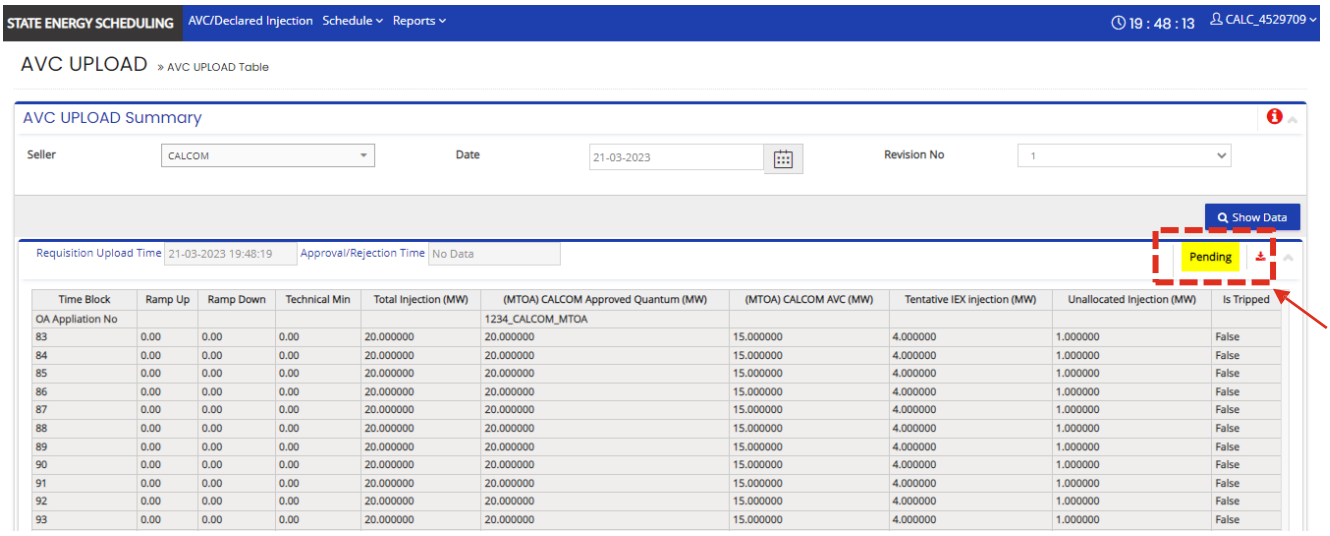
2. Usertoclickon“AVC/DeclaredInjection”optiononthedashboard



3. User to select the “Date” and update the required details such as total injection availability in MW, contract-wise availabilities in MW, tentative IEX injection in MW, etc. for the required time-blocks in the current day of operation. User to click on the “Save Changes” button after filling up the details.

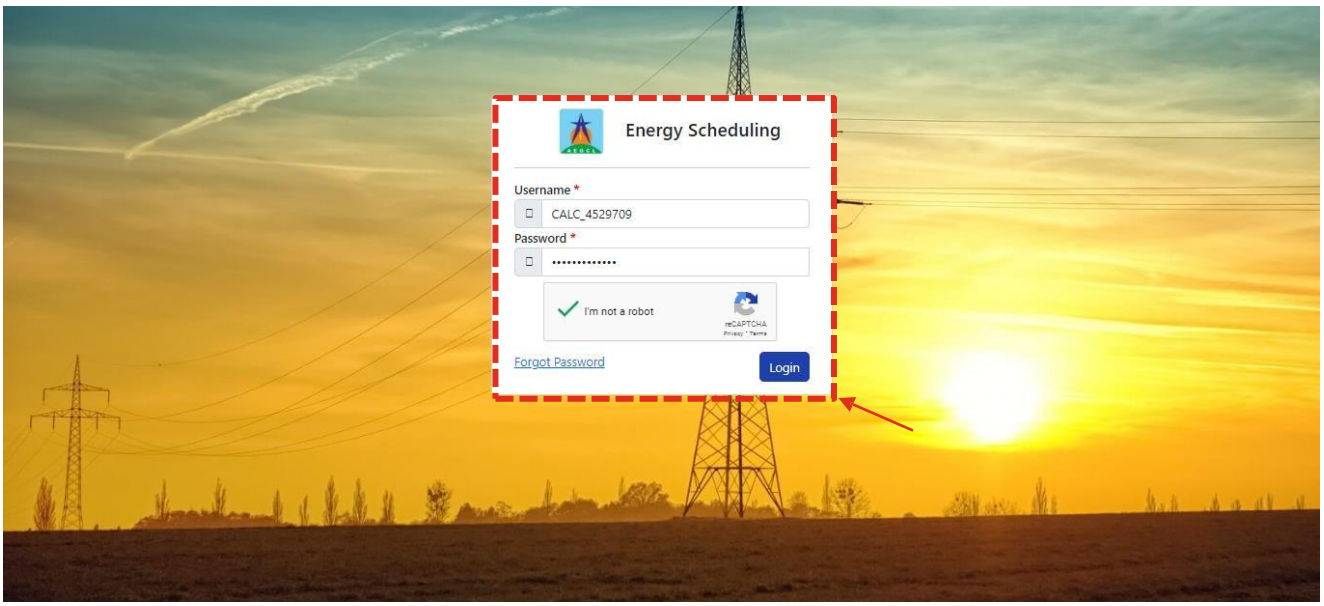


7.Onclickingthe“SaveChanges”button,theupdated/modifiedAVC/declaredinjectionshallbesubmitted in the system and the same shall be in “Pending” status until processed by SLDC

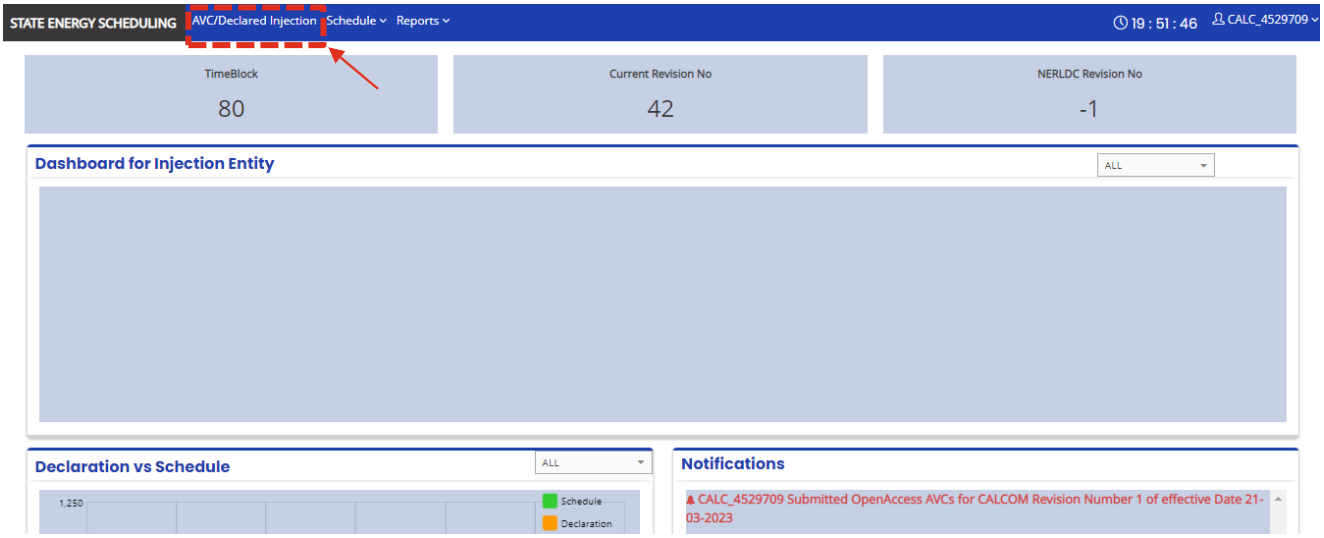


2.3. RevisionofAVC/DeclaredInjectionincaseofUnit Tripping

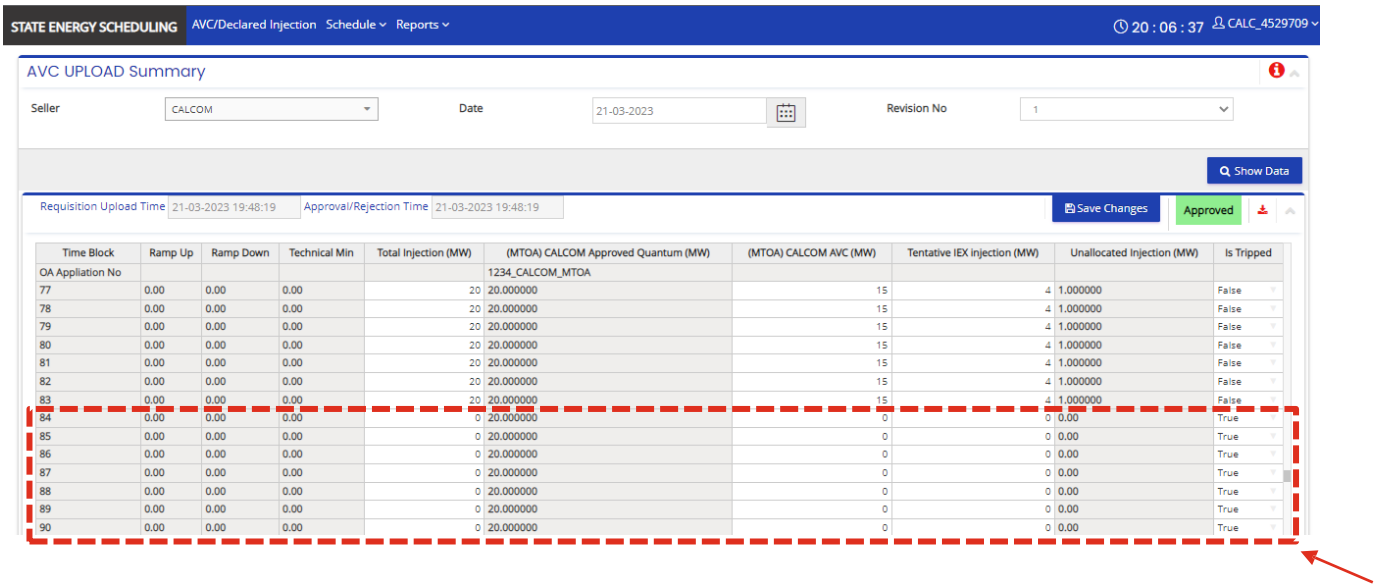
1. Usertologinwiththecredentials



2. Usertoclickon“AVC/DeclaredInjection”optiononthedashboard

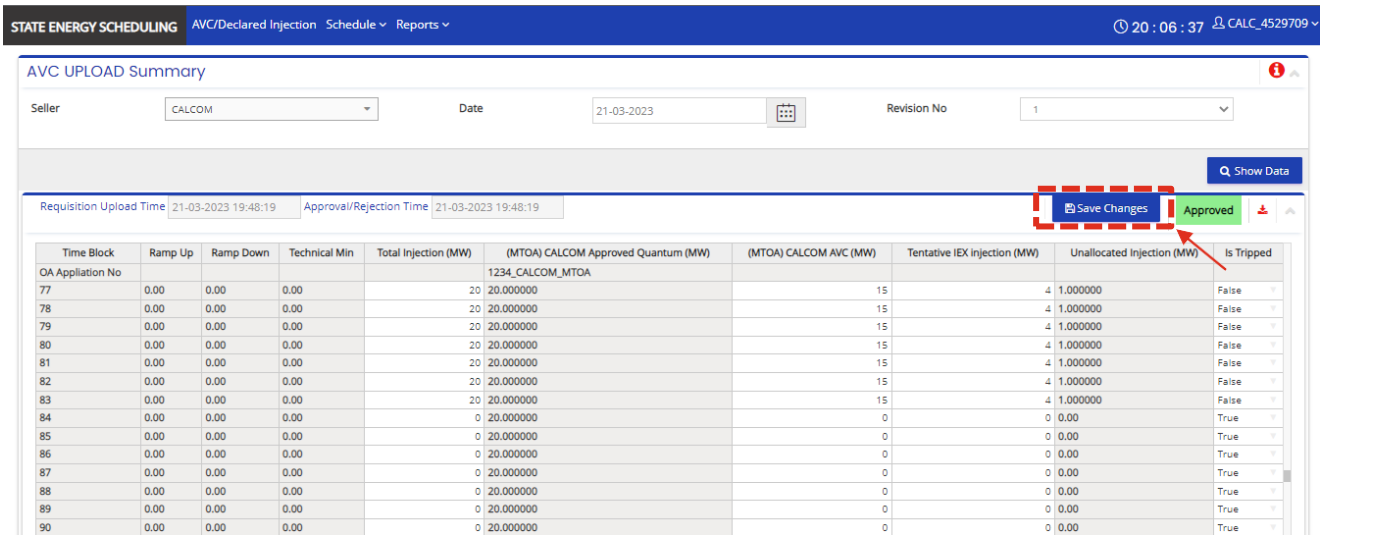


3. Usertoselectthe“Date”andupdatetheAVC/declaredinjectionfortherequiredtimeblocksdueto tripping. User to select “Is Tripped” option as “True” in case of tripping.



Time Block	Ramp Up	Ramp Down	Technical Min	Total Injection (MW)	(MTOA) CALCOM Approved Quantum (MW)	(MTOA) CALCOM AVC (MW)	Tentative IEX injection (MW)	Unallocated Injection (MW)	Is Tripped
OA Appliation No					1234_CALCOM_MTOA				
77	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
78	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
79	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
80	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
81	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
82	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
83	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
84	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
85	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
86	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
87	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
88	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
89	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
90	0.00	0.00	0.00	0	20.000000	0	0	0.00	True

4. Usertoclickthe“SaveChanges”button,apop-upwindowshallbedisplayedforfinalconfirmation

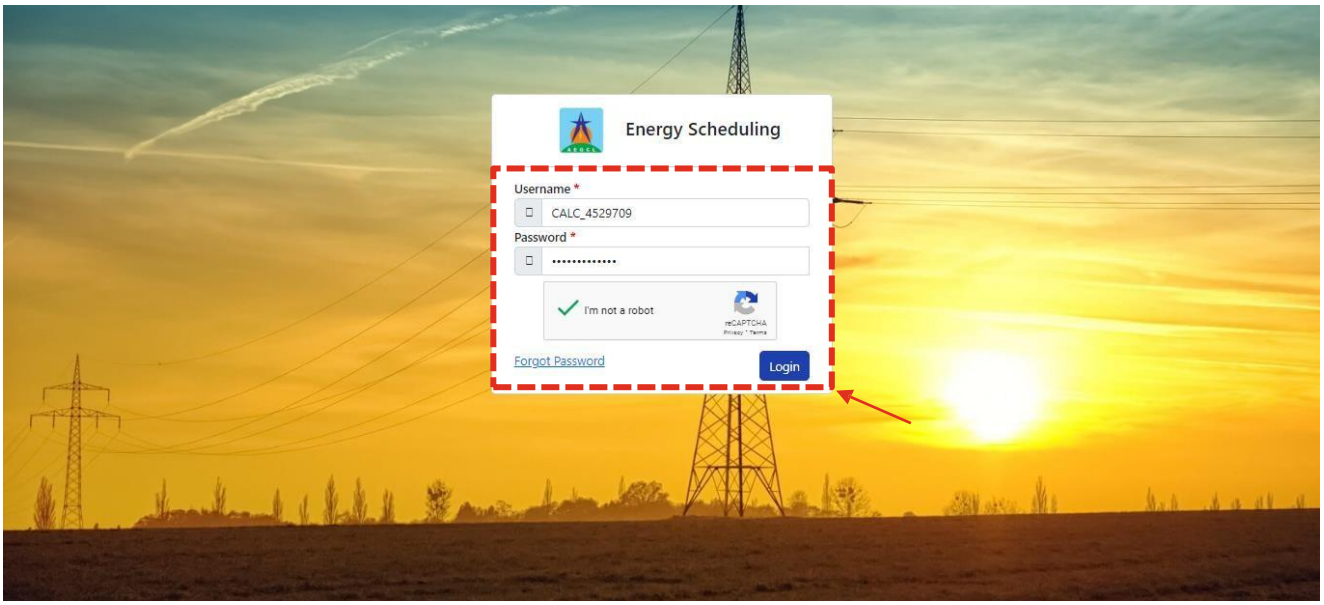


Time Block	Ramp Up	Ramp Down	Technical Min	Total Injection (MW)	(MTOA) CALCOM Approved Quantum (MW)	(MTOA) CALCOM AVC (MW)	Tentative IEX injection (MW)	Unallocated Injection (MW)	Is Tripped
OA Appliation No					1234_CALCOM_MTOA				
77	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
78	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
79	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
80	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
81	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
82	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
83	0.00	0.00	0.00	20	20.000000	15	4	1.000000	False
84	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
85	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
86	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
87	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
88	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
89	0.00	0.00	0.00	0	20.000000	0	0	0.00	True
90	0.00	0.00	0.00	0	20.000000	0	0	0.00	True

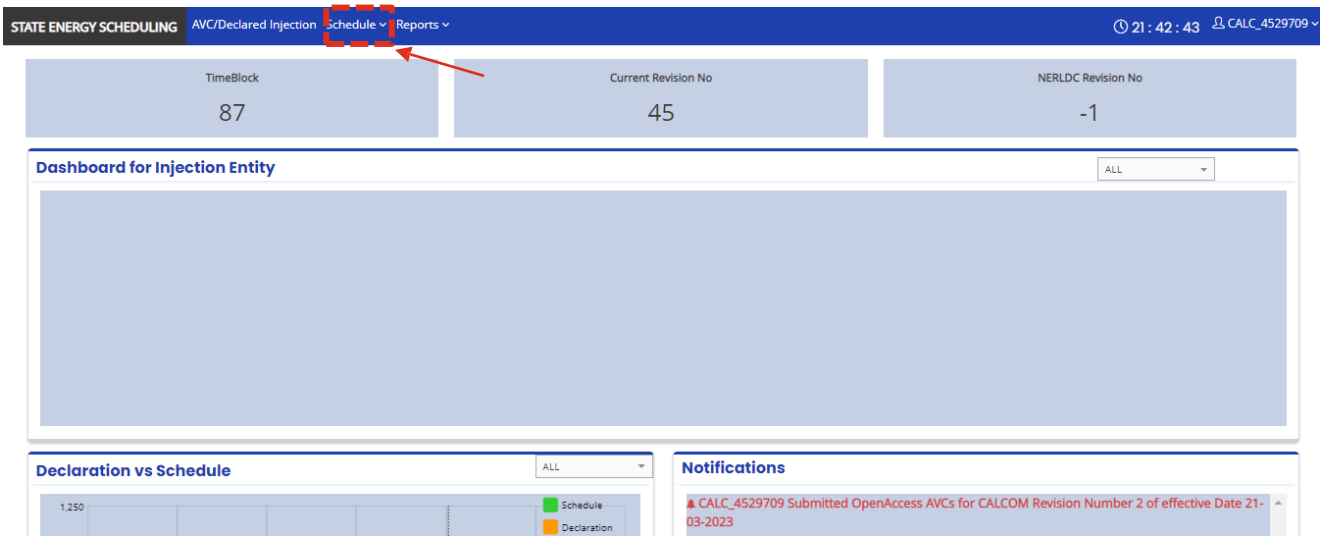
3. InjectionScheduleforthe Entity

3.1. ViewInjection Schedule

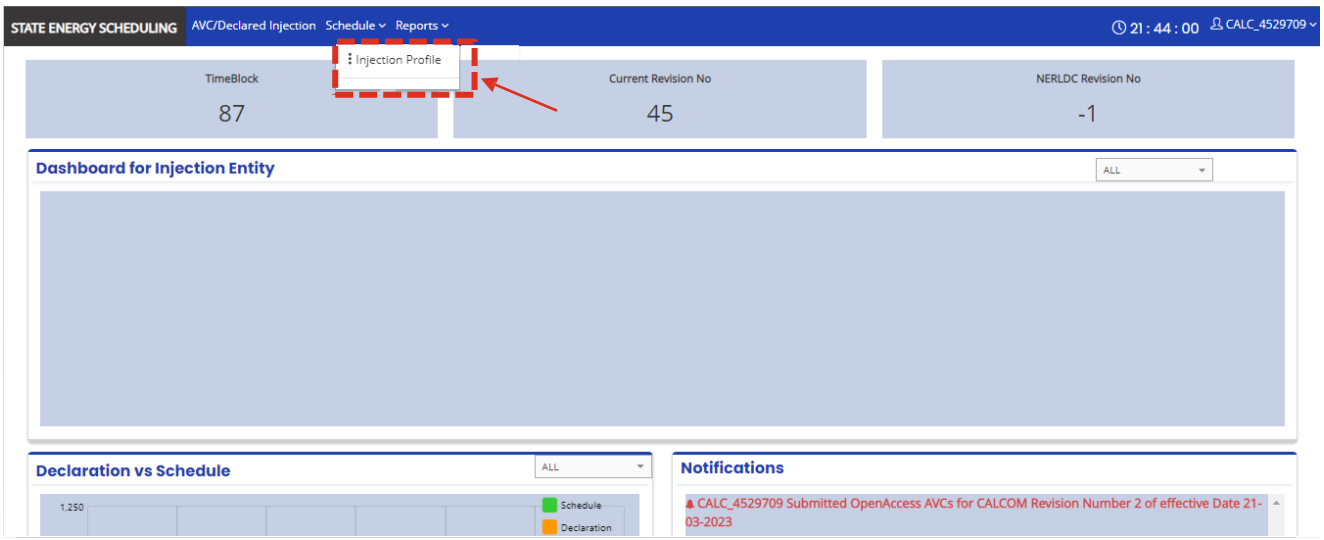
1. Usertologinwiththecredentials



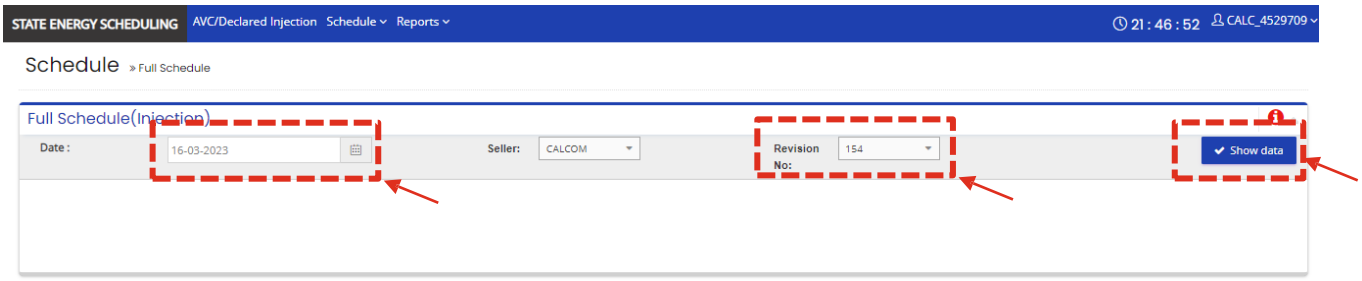
2. Usertoclickon“Schedule”optiononthedashboard



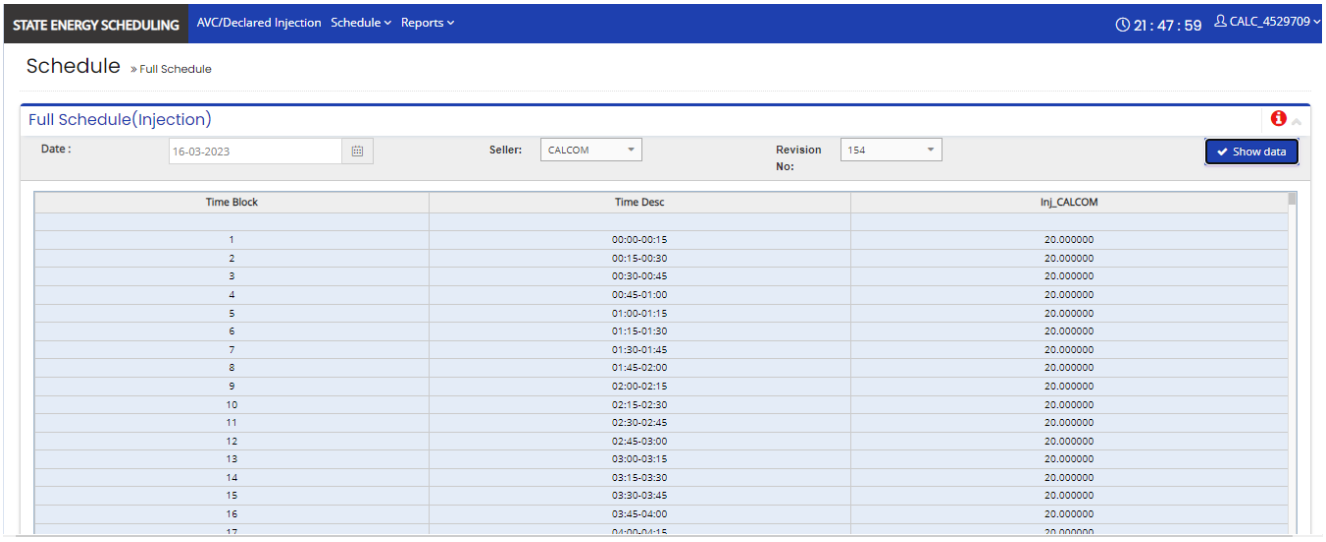
3. Usertoselect“InjectionProfile”option



4. Usertoselect“Date”&“RevisionNo”andthenclickon“ShowData”



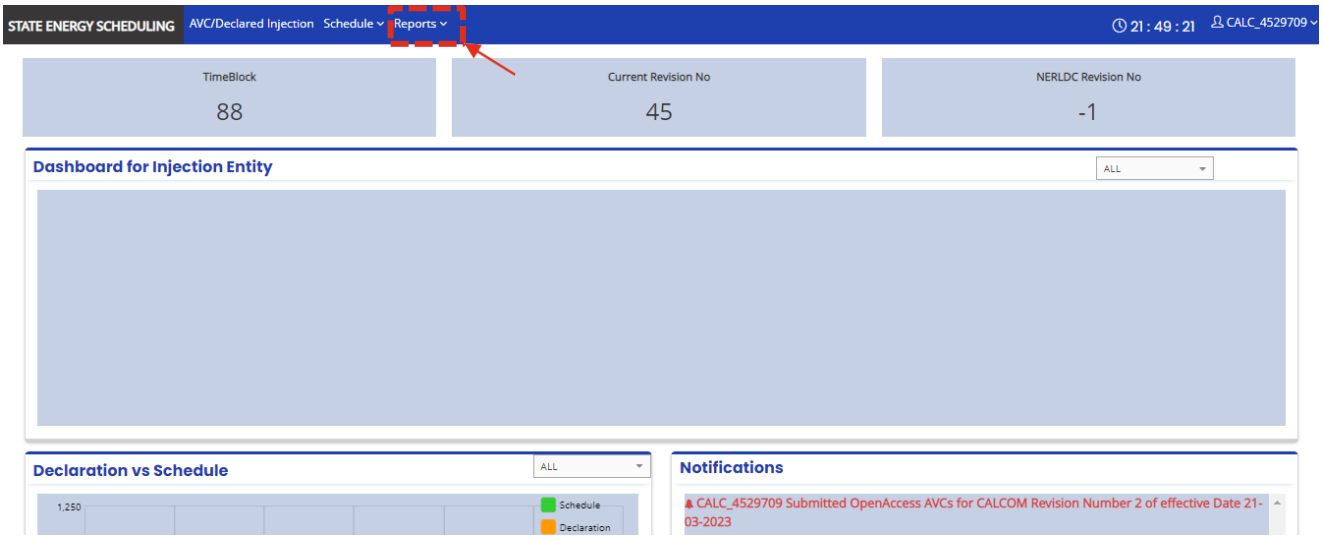
5. Systemshalldisplaytheinjectionscheduleforentheentity



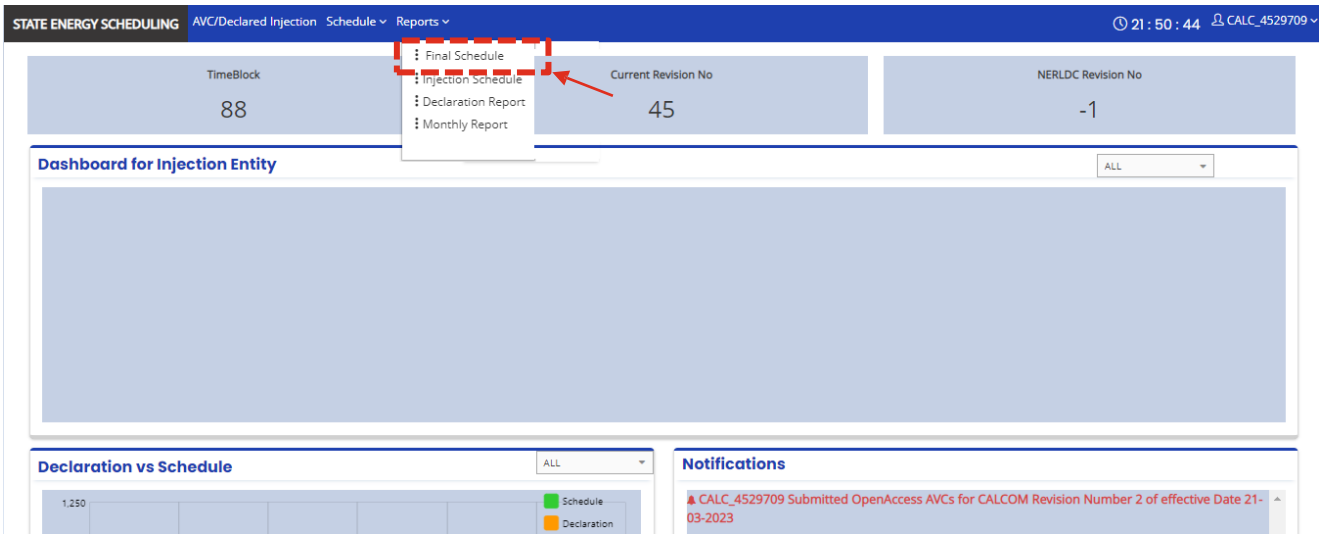
4. Reports

4.1. FinalScheduleReport

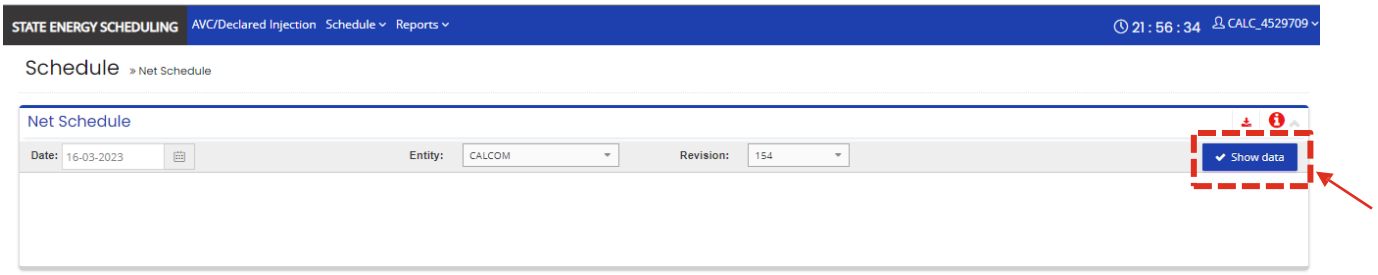
1. Usertoclickon“Reports”tabonthehome page



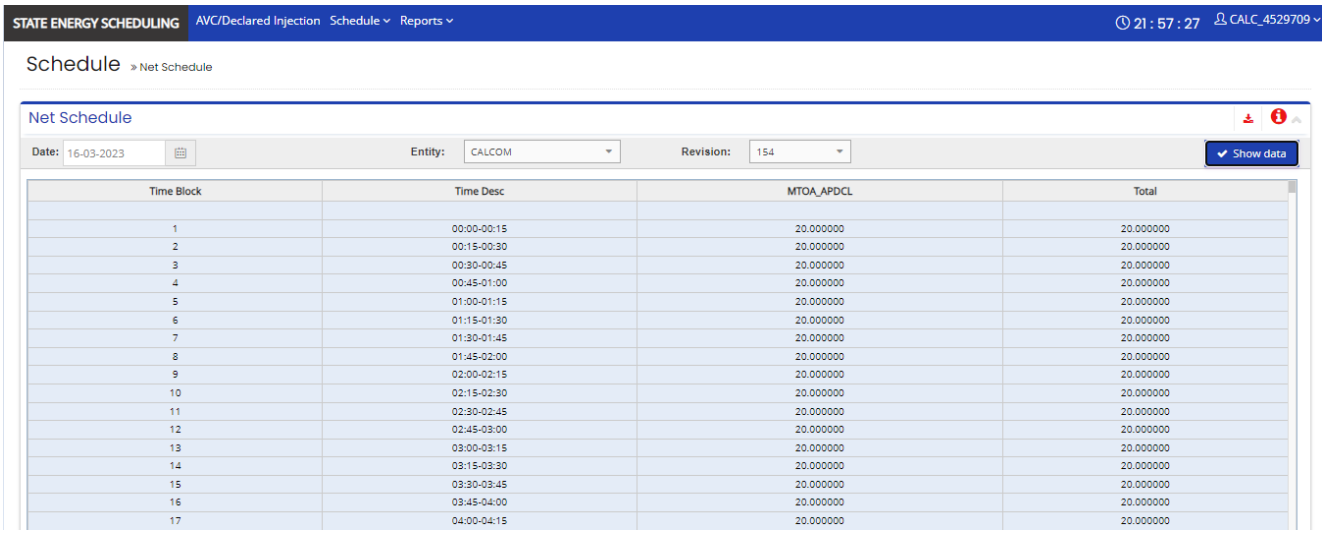
2. Usertoclickonthe“FinalSchedule”fromthedrop-downmenu



3. Usertoselect“Date”and“Revision”andclickon“ShowData”toviewreport

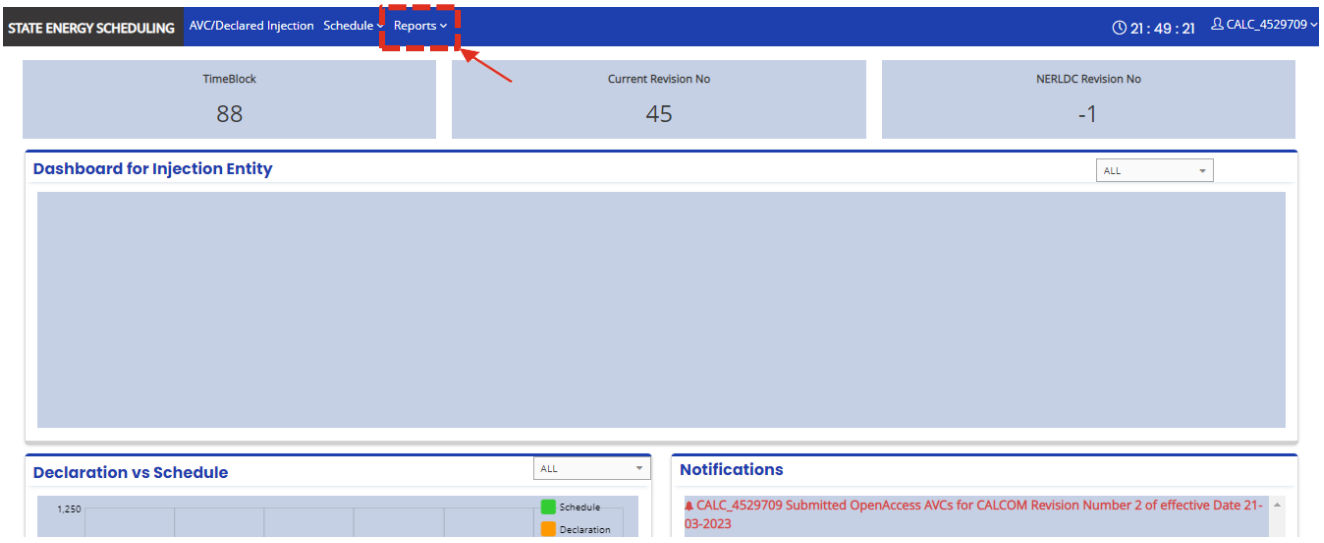


4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbedownloaded in pdf, csv and excel formats

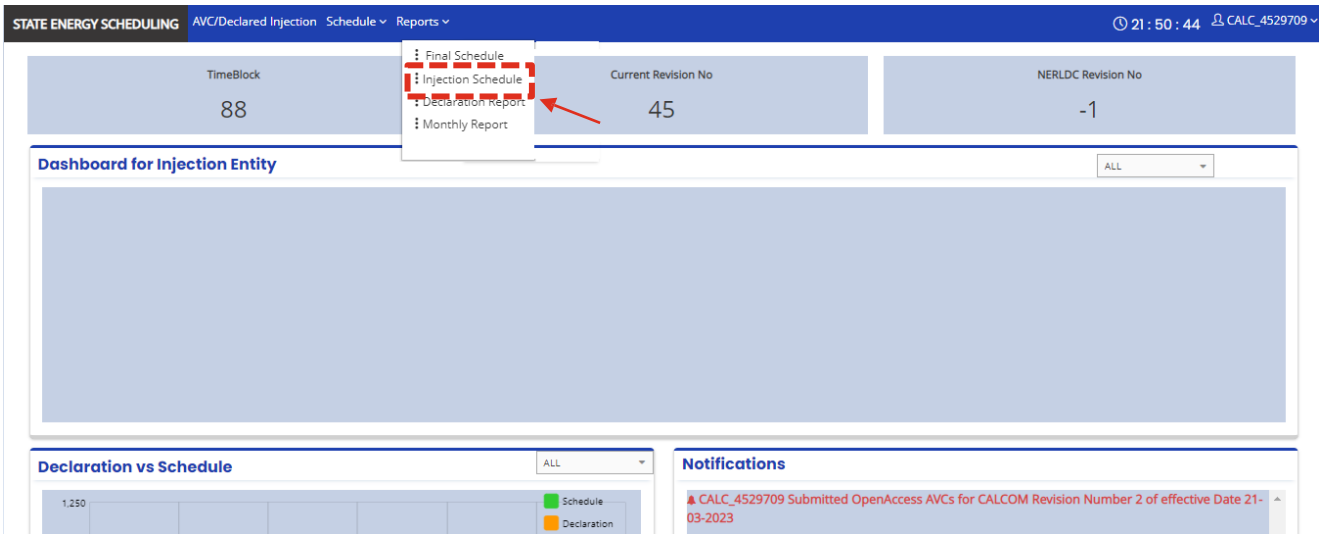


4.2. InjectionScheduleReport

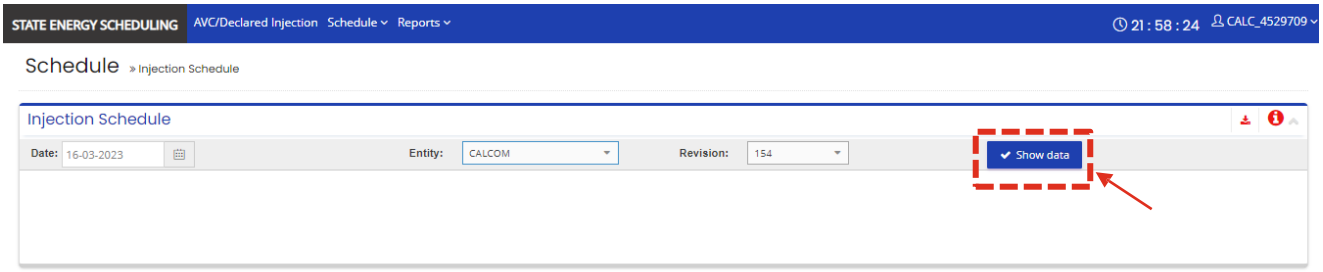
1. Usertoclickon“Reports”tabonthehome page



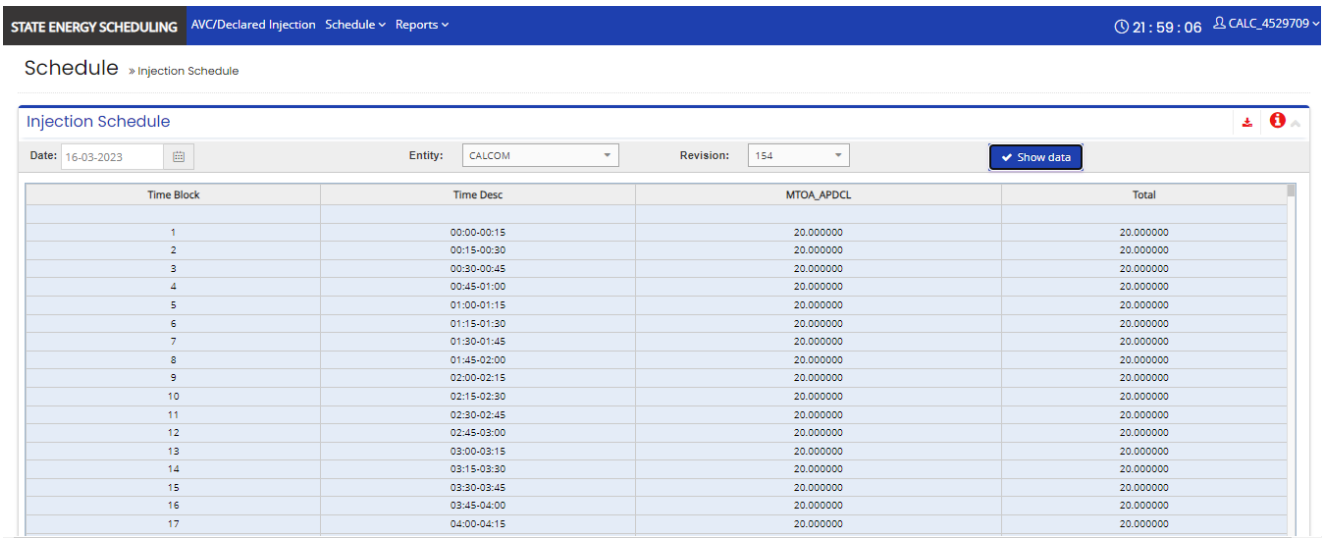
2. Usertoclickonthe“InjectionSchedule”fromthedrop-downmenu



3. Usertoselect“Date”&“Revision”andclickon“ShowData”toviewreport

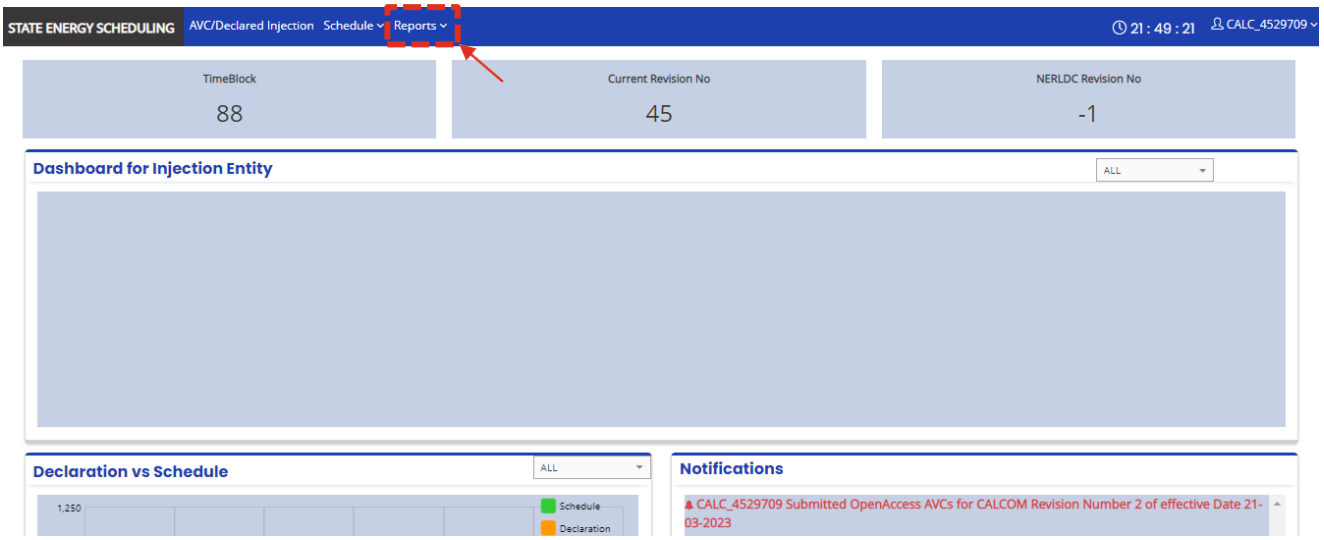


4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbedownloaded in pdf, csv and excel formats

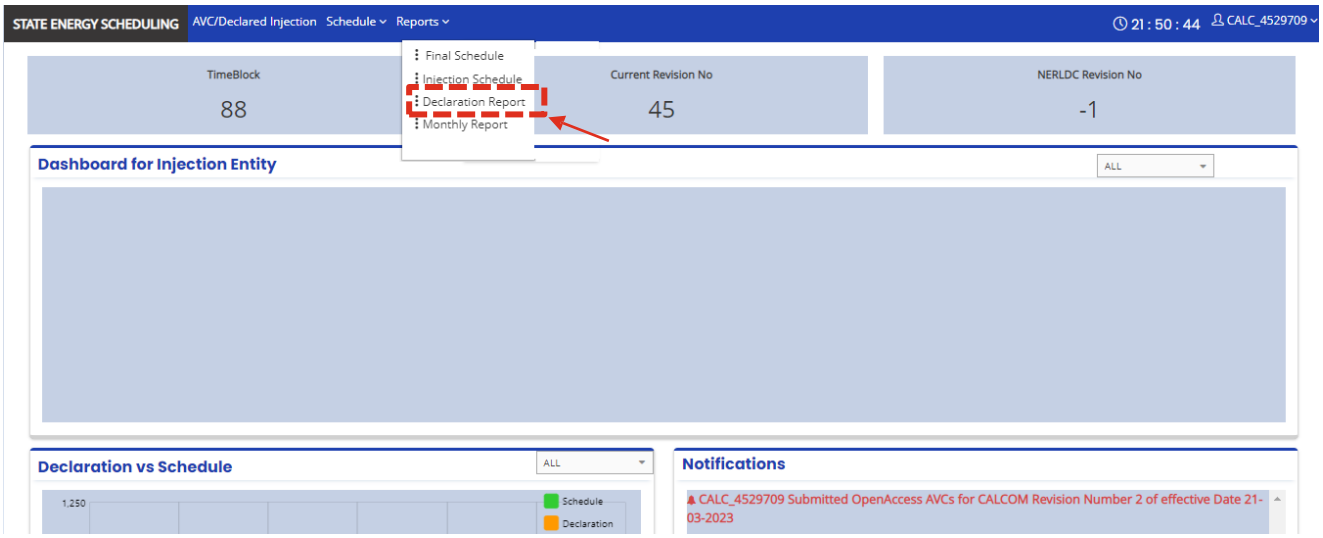


4.3. DeclarationReport

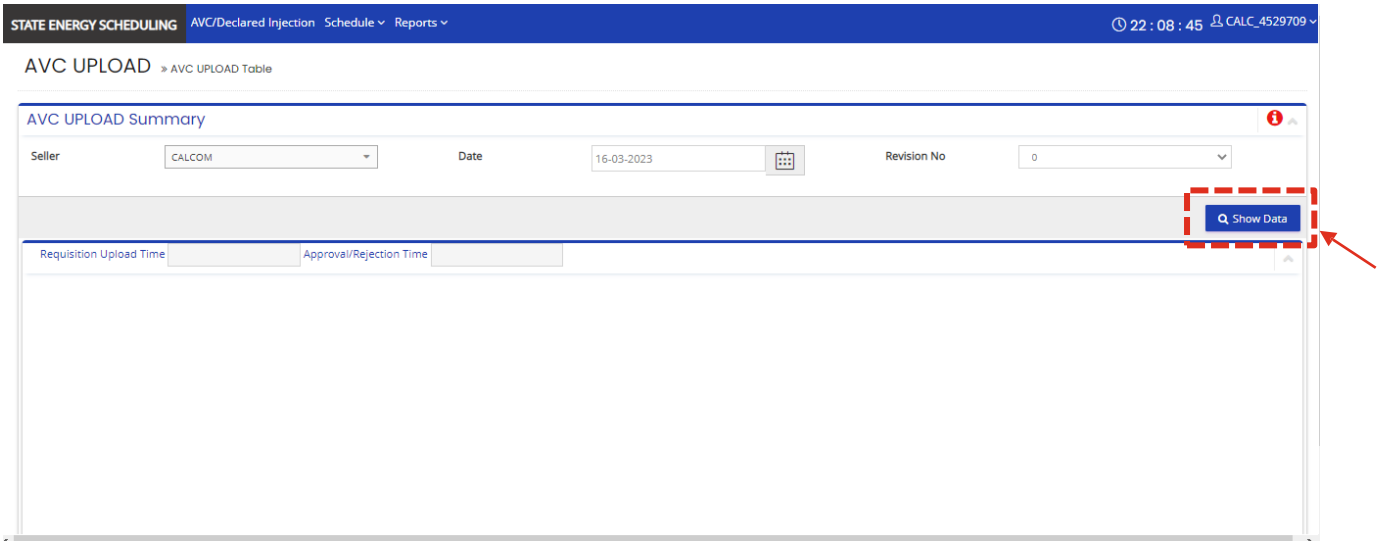
1. Usertoclickon“Reports”tabonthehome page



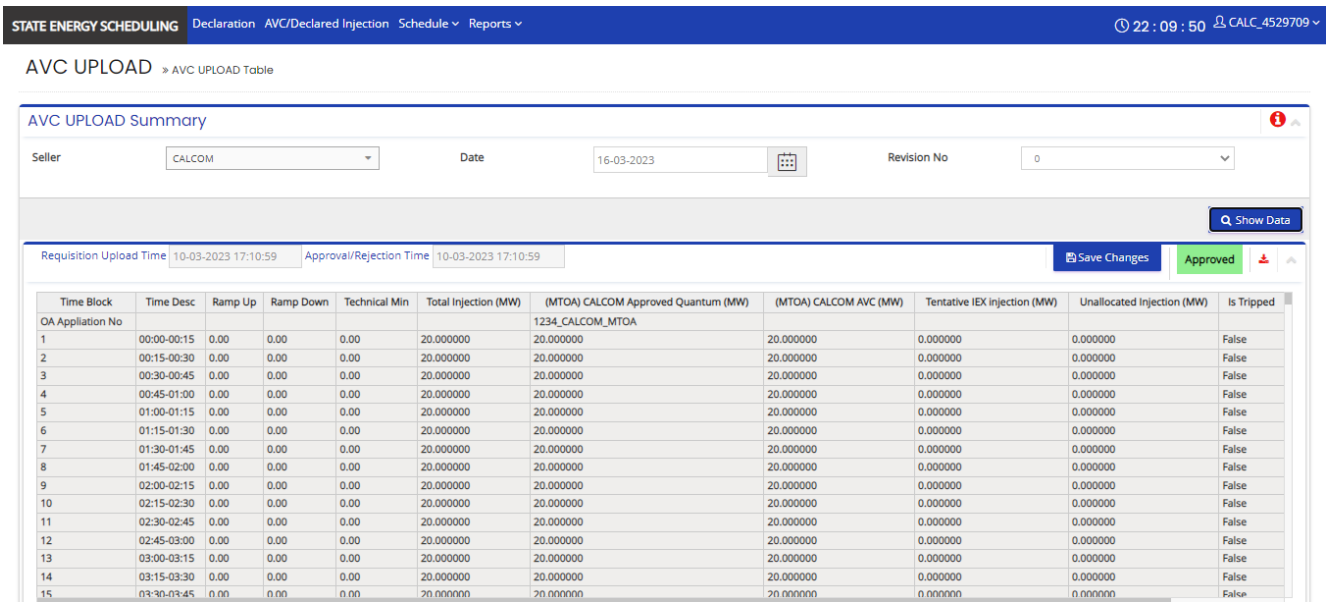
2. Usertoclickonthe“DeclarationReport”fromthedrop-down menu



3. Usertoselect“Date”&“RevisionNo”andclickon“ShowData”toviewreport

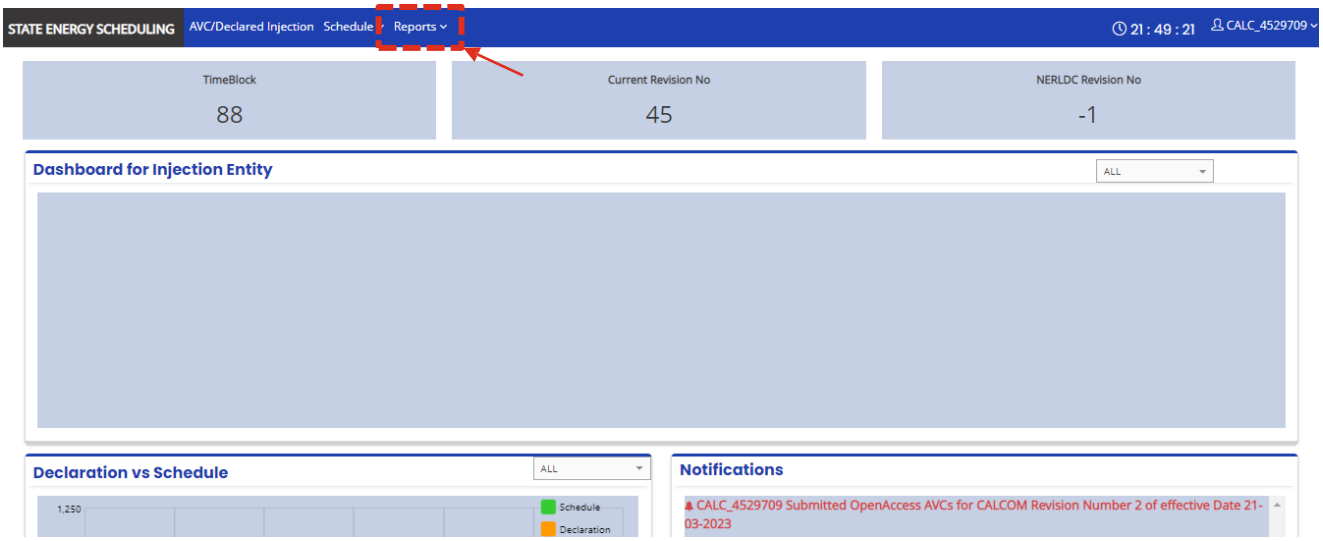


4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbedownloaded in pdf, csv and excel formats

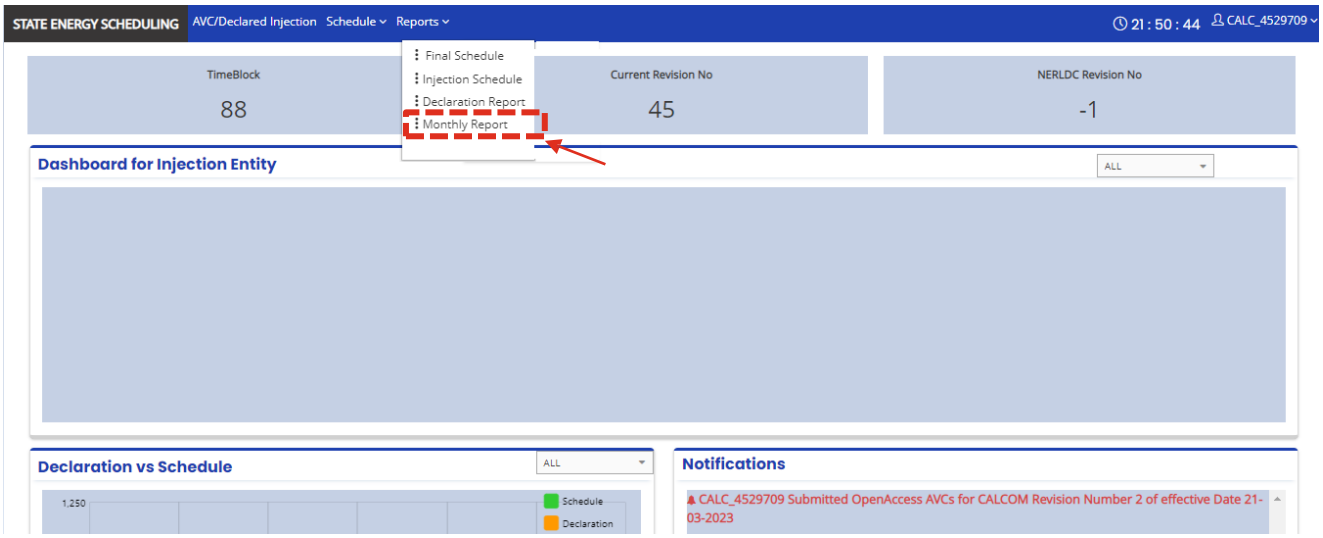


4.4. MonthlyReport

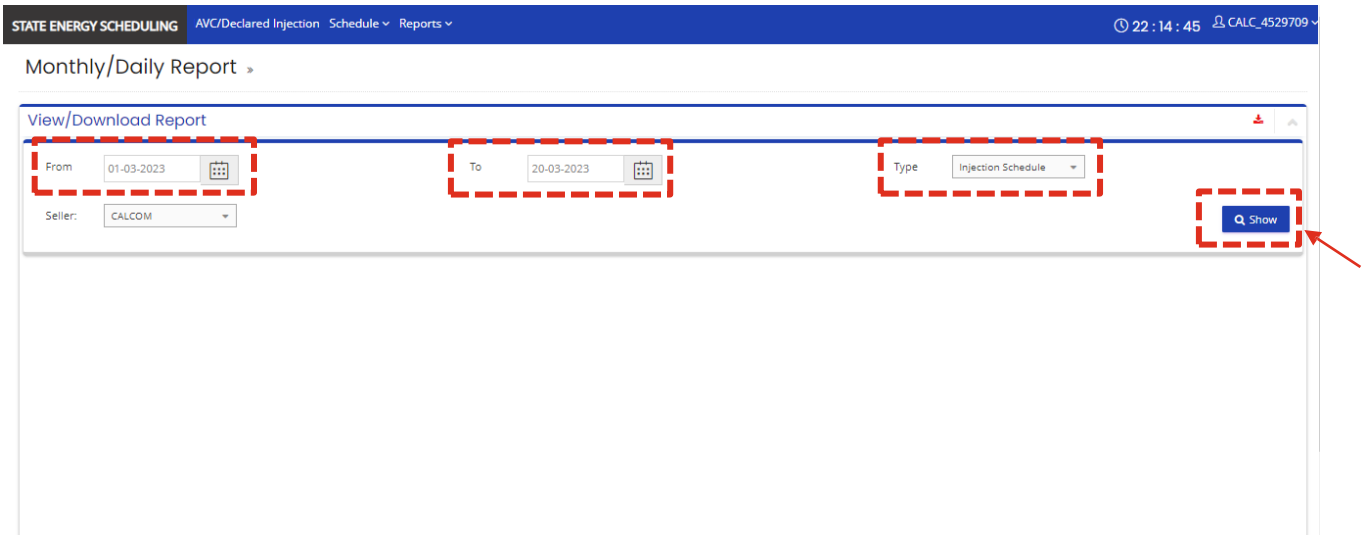
1. Usertoclickon“Reports”tabonthehome page



2. Usertoclickonthe“MonthlyReport”fromthedrop-downmenu



3. User to select “From Date”, “To Date” & “Type (Declaration / Injection Schedule)” and click on “ShowData” to view report



4. Thereportshallbedisplayedbythesysteminthefollowingtemplateandthesamecanbedownloaded in pdf, csv and excel formats