

# Workshop on Temporary-GNA (TGNA) Procedure



*"If someone is able to show me that what I think or do is not right, I will happily change, for I seek the truth, by which no one was ever truly harmed. It is the person who continues in his self-deception and ignorance who is harmed."*





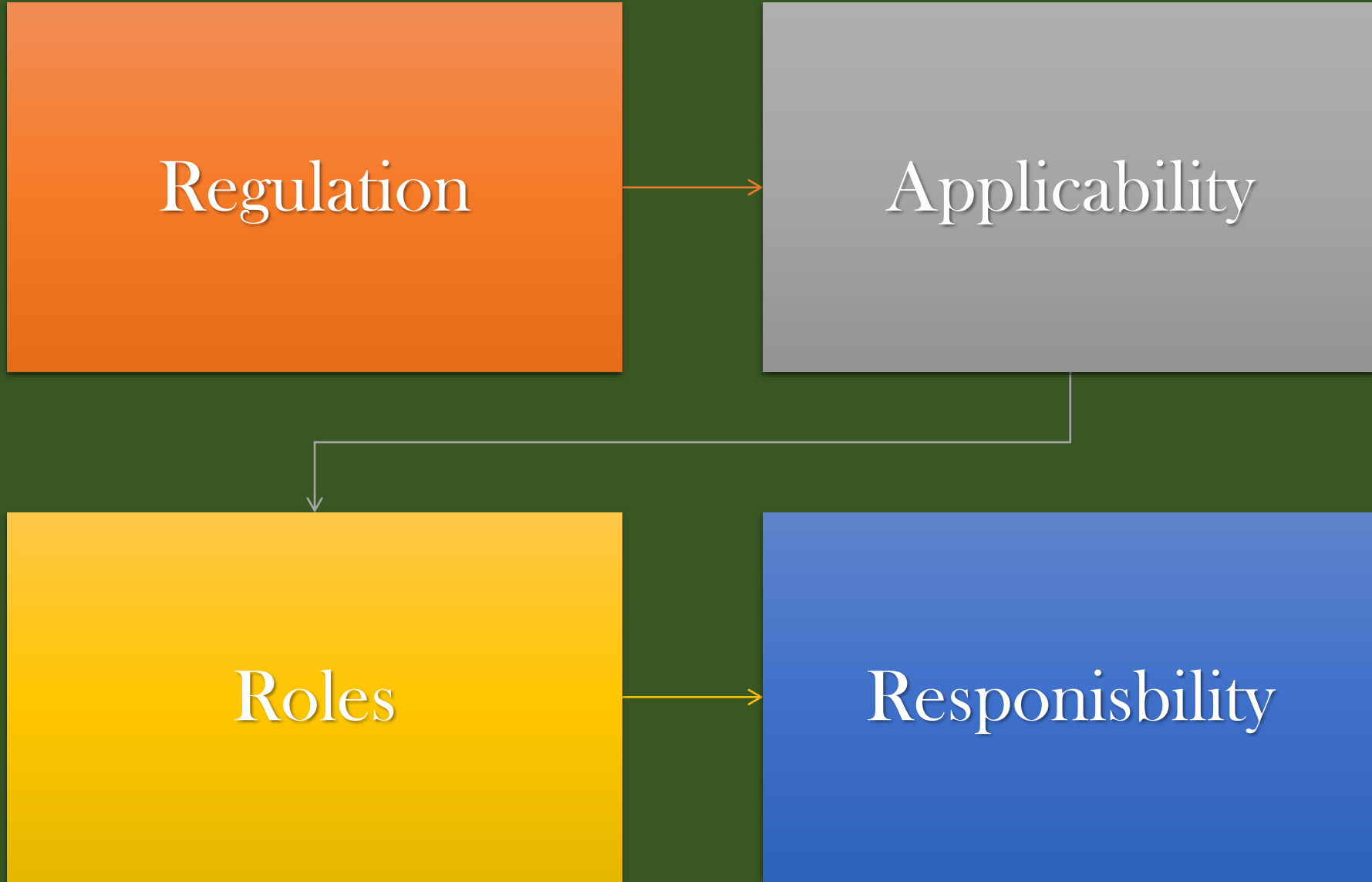
# BROAD OUTLINE OF THE PROCEDURE

Regulation

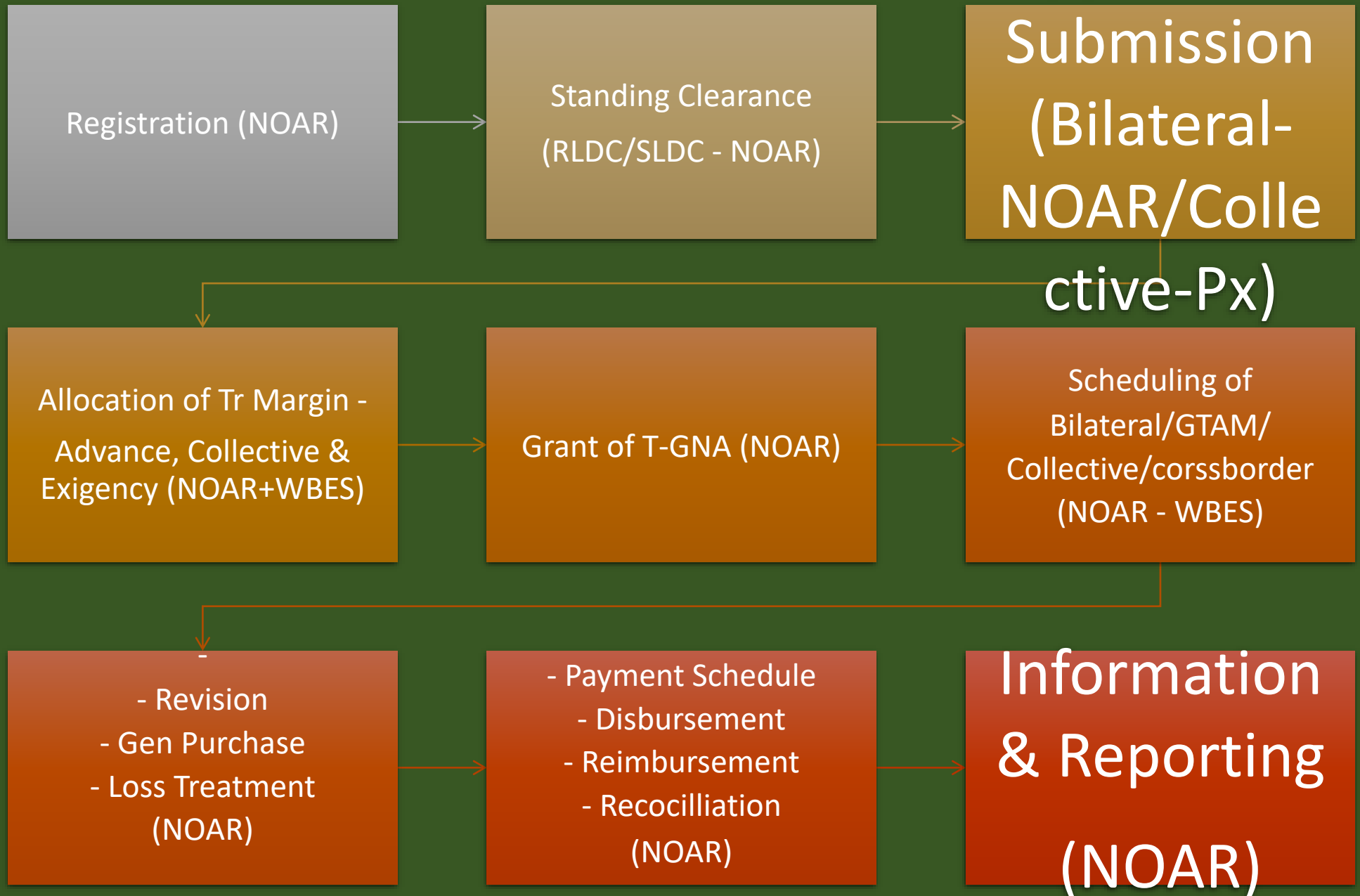
Applicability

Roles

Responsibility



NOAR







# REGULATION

□ The This procedure is in accordance with the Regulation 39.2 of the Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022.

□ NOAR -

1. An *interface platform* for NLDC, RLDCs and SLDCs *for processing of T-GNA* applications.
2. Interface with the Power Exchange(s) for *validation of standing clearance and processing of bilateral and collective transactions* or any other transaction
3. Dashboard facility with real time information to NLDC, RLDCs and SLDCs and act as a repository of information related to T-GNA administration
4. *Audit trail* of Standing Clearances and T-GNA applications
5. *Payment gateway* for making payments related to T-GNA
6. Periodic reports for *market monitoring and surveillance*



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# ROLES & RESPONSIBILITIES

## NLDC

- Configuration/reconfiguration of bid area
- TTC/ATC of the bid areas
- Collective transactions, Cross border entities

## RLDC

- Host (Registration) & Nodal RLDC (approval)
- Grid connected interstate and intrastate utilities
- Standing clearance, Bilateral T-GNA, Scheduling, Tr constraint/Gen out curtailment

## SLDC

- Processing of registration
- TTC/ATC of States
- Standing clearance, schedule incorporation

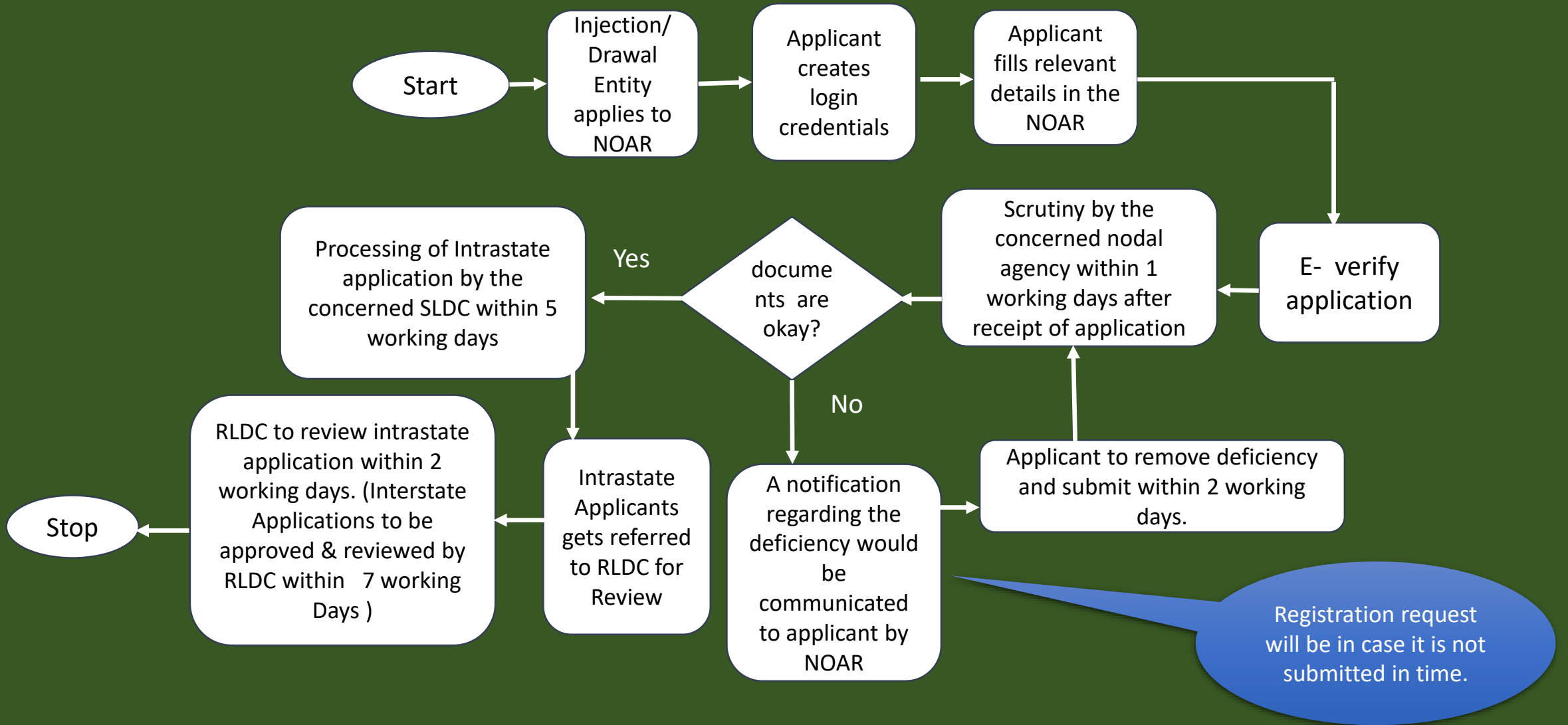




# REGISTRATION

(ENTITIES WHOSE REGISTRATION IS THERE IN NOAR WILL BE CARRIED FORWARD IN T-GNA  
REGIME)

# Registration Work Flow



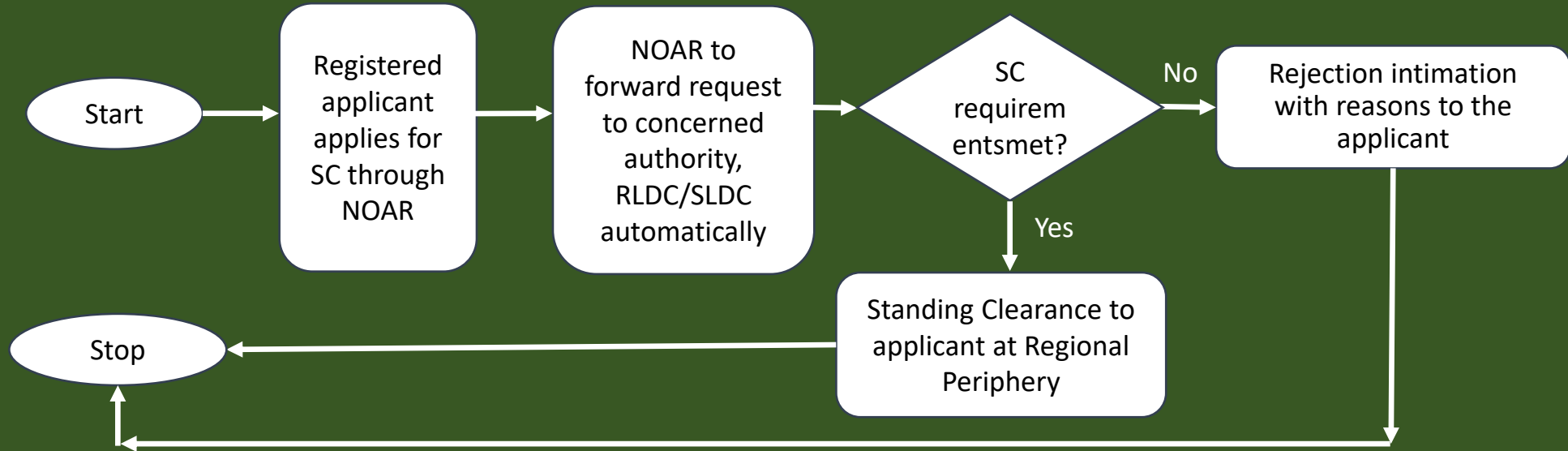
- Applicant can create parameter change request. Existing NOCs shall gets cancelled.
- Name change within 5 working days with relevant documents only after clearing all financial dues.





# STANDING CLEARANCE





Description

Remarks

RLDC/NLDC notices any discrepancy in Standing clearance request

To be notified within 2 working days to OA customer

Issuance of Standing clearance (For max. 11 Months)

- Within 7 working days to new OA customer
- Within 3 working days to existing OA customer
- Auto approval on next day by 20:00 Hrs upon expiry of above periods for 7 Days or as applied whichever is lower

Renewal of Standing clearance

- Contact nodal agency at least one week before expiry of current SC

Violation of Terms and conditions of Standing clearance

- Violation in any time block: Debarred from NOAR for 7 days

Standing clearance Maximum Limit

- Up to T-GNA for all grid connected entities except ISGS as seller
- Up to approved GNA quantum for ISGS as seller


- ✓ Single Standing Clearance shall be at regional periphery for both inter state and intrastate entity.
- ✓ For Intrastate entity consent of DISCOM may be uploaded to Comply with State Regulations.



# APPLICATION SUBMISSION

S. No.	Description	Remarks
1	Application for Bilateral Transaction (Through NOAR, In ISTS)	<ul style="list-style-type: none"><li>▪ Only Registered applicants allowed</li><li>▪ Valid Standing Clearance certificate mandatory for Buyers</li><li>▪ Non-refundable fees ( Rs. 5000) to be paid for each transaction</li><li>▪ Target injection region shall be mandatory in case of Point of Injection not specified. Point of Injection shall be mandated at the time of scheduling request. (For Advance Trans.)</li><li>▪ Cross border transactions to specify Point of Injection.</li></ul>
3	Applied Quantum (MW)	<ul style="list-style-type: none"><li>▪ Minimum quantum can be up to 0.10 MW with a step resolution of 0.01 MW at the regional periphery.</li></ul>
4	Resolution of transactions	<ul style="list-style-type: none"><li>▪ The applied and approved MW and MWh shall have resolution up to 2 decimal points for both the bilateral and collective transactions.</li></ul>





ALLOCATION OF TRANSMISSION  
MARGIN FOR ADMINISTRATING T-  
GNA

# Eligibility for Margin

Applications and approvals to be made through NOAR –

- Bilateral Transactions
- Collective Transactions

*Reliability Margin*

*Thermal Capacity Margin of the corridor*

*Total Transfer capacity*

*Available Transfer Capability*

*Margin for T-GNA*

*Margin General Network Access (GNA)*

Surplus capacity generally available by virtue of –

- Inherent design margins
- Variation in power flows
- In-built spare transmission capacity

# Transmission Margin Computation

<b>Advance bilateral category</b>	<ul style="list-style-type: none"><li>▪ Import T-GNA margin = import ATC – approved import (GNA + advance T-GNA)</li><li>▪ Export T-GNA margin = export ATC – approved export (GNA + advance T-GNA)</li></ul>
<b>Exigency bilateral category upto 13:00hrs (D-1)</b>	<ul style="list-style-type: none"><li>▪ Import T-GNA margin = import ATC – approved import (GNA + advance T-GNA)</li><li>▪ Export T-GNA margin = export ATC – approved export (GNA + advance T-GNA)</li></ul>
<b>Exigency bilateral category beyond 13:00hrs (D-1)</b>	<ul style="list-style-type: none"><li>▪ Import T-GNA margin = import ATC – net schedule</li><li>▪ Export T-GNA margin = export ATC – net schedule</li></ul>
<b>DAM Collective</b>	<ul style="list-style-type: none"><li>▪ Import T-GNA margin = import ATC – net schedule</li><li>▪ Export T-GNA margin = export ATC – net schedule</li></ul>
<b>RTM Collective</b>	<ul style="list-style-type: none"><li>▪ Import T-GNA margin = import ATC – net schedule</li><li>▪ Export T-GNA margin = export ATC – net schedule</li></ul>



# T-GNA Bilateral Transactions Timeframe

Submission Day

D

Applicant to Furnish **Schedule request Daily up to Approval quantum** by 08:00Hrs of day prior to schedule day (Specify Injection point)

Advance Category



D+1

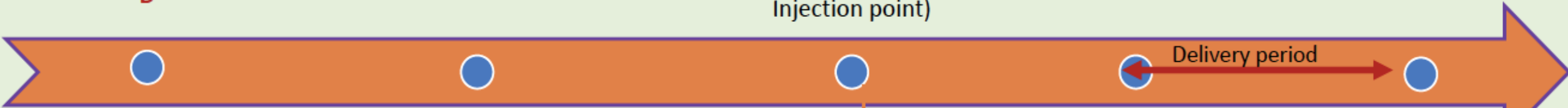
Approval  
On FCFS  
At 23:59Hrs

D+3

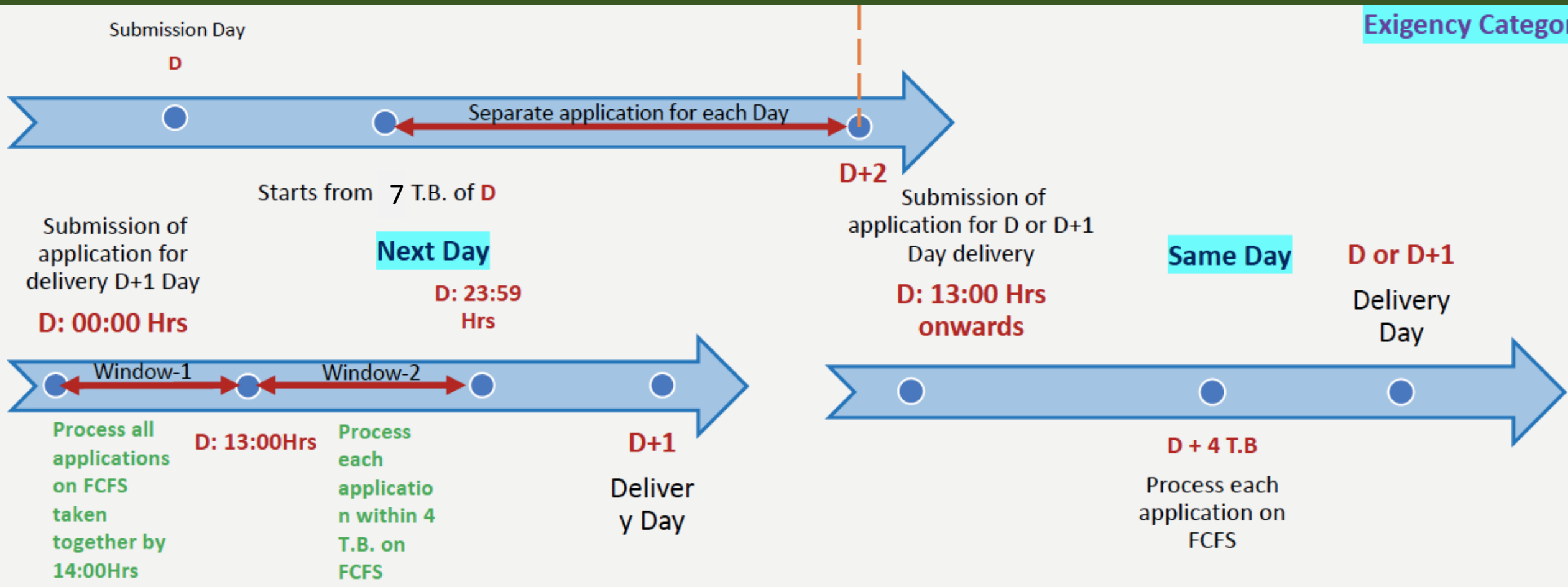
Delivery  
period starts  
(May fall in same or different months)

Delivery period

Up to 11  
Months



**Exigency Category**



Paymet

GNA - 3000 (Scheduled - 2500)

T-GNA - 1500 (Schedule - 1500)

Combined (GNA+T-GNA = 4500) - Combined Schedule (4000)

Balance - (4500-4000) = 500

If Collective - 2000

Then, ISTS charges will obly be paid for (2000-500) = 1500





GRANT OF T-GNA AND  
SCHEDULING OF BILATERAL &  
COLLECTIVE TRANSACTIONS

## Advance Bilateral:

- Daily Schedule request: By 08:00 Hrs. Signed copy of the contract for sale and purchase.
- Approvals on FCFS. Digital consent for partial approval.
- PoI if not furnished at the time of grant of approvals.
- No refund in transmission charges in case the advance T-GNA applications were applied more than the standing clearances issued by the SLDC/RLDC for the injecting entity. Refund in case of NOC revision.

## Exigency Bilateral:

- Approved as Scheduled to WBES, RLDC. Can not be revised except in case of transmission constraint and in view of grid security.
- Approvals on FCFS
- Signed copy of the contract for sale and purchase
- Separate application for each day.
- Pro-Rata on approved T-GNA in case of transmission constraint at the time of scheduling.

## DAM :

Timeline	Activity
Up to 10:00	NOC Fetch by Exchanges
10:00 – 11:30 Hrs	Bidding at Exchanges
12:00 Hrs	Provisional trade submission by Exchanges to NLDC
12:30 Hrs	Congestion check and Margin allocation to Exchanges
13:00 Hrs	Final trade submission by Exchanges
13:30 Hrs	Scheduling of transactions. NOC used details by exchanges and violation check by NLDC



REVISION OF T-GNA:

- DUE TO FORCED OUTAGE OF A GENERATOR
- DUE TO DOWNWARD REVISION BY APPLICANT
- DUE TO DOWNWARD REVISION FOR SYSTEM REQUIREMENT



Description	Remarks
<b>Forced outage of a Unit (100 MW and above)</b>	<ul style="list-style-type: none"> <li>▪ Applicant to intimate outage to RLDC/SLDC through NOAR (with details such as Generator Name, Date-time of tripping, Approval-wise revised schedule and Estimated time of restoration, reason)</li> </ul>
<b>Revision of Estimated Restoration Time</b>	<ul style="list-style-type: none"> <li>▪ Permitted once in a day</li> <li>▪ Effective from 7th or 8th time block for any revision in schedule request made in odd or even time blocks respectively</li> </ul>
<b>Generator not revived in declared restoration time</b>	<ul style="list-style-type: none"> <li>▪ Revision with retrospective effect will not be allowed by RLDCs</li> <li>▪ Revision request after the expiry of estimated restoration date and time shall not be permitted. Such revision in schedule shall become effective from 7<sup>th</sup> / 8<sup>th</sup> time block. (request received in NOAR to be 1<sup>st</sup> time block)</li> </ul>
<b>Consent of Buyer</b>	<ul style="list-style-type: none"> <li>▪ Not a pre-requisite for revision of schedule</li> </ul>
<b>Transmission Charges</b>	<ul style="list-style-type: none"> <li>▪ NO refund of transmission charges. Applicant can schedule power from alternat source.</li> </ul>
<b>DAM and RTM schedule</b>	<ul style="list-style-type: none"> <li>▪ Schedule for DAM and RTM can not be revised in case of forced outage.</li> </ul>

## □ DUE TO DOWNWARD REVISION BY APPLICANT

- Exigency Transactions - No downward revision for access is permitted by the applicant
- Advanced Transactions - Advance T-GNA access can be revised only for T-GNA granted for more than 30 days

Advance T-GNA can be revised for balance period more than 30 days with clear notice of 30 days in advance.

No revision is permitted for the notice period.

NO refund will be processed for the notice period

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REAL TIME CONGESTION  
MANAGEMENT:  
DUE TO TRANSMISSION  
CONSTRAINTS



Description	Remarks
<b>NLDC/RLDC/SLDC in view of system security</b>	<ul style="list-style-type: none"> <li>▪ Bilateral transactions can be revised or cancelled w.e.f 7<sup>th</sup> or 8<sup>th</sup> TB (Time Block)</li> <li>▪ Applicant to be suitably intimated by RLDC</li> </ul>
<b>Revision of ATC by system operator for secure grid operation</b>	<ul style="list-style-type: none"> <li>▪ Transactions already scheduled will be curtailed in requisite manner</li> <li>▪ Curtailment order: Bilateral T-GNA &gt; DAM &gt; GDAM &gt;RTM &gt; GNA</li> <li>▪ Curtailment within Bilateral T-GNA: Non RE prorata on T-GNA approved &gt; RE</li> </ul>
<b>Settlement of Transmission Charges in case of curtailment</b>	<ul style="list-style-type: none"> <li>▪ Shall be refunded as per revision.</li> <li>▪ Revised payment schedules will be generated by NOAR</li> </ul>
<b>Curtailment due to transmission constraints in the neighbouring countries</b>	<ul style="list-style-type: none"> <li>▪ concerned NLDC of the country shall intimate the transactions to be curtailed to NLDC, India</li> <li>▪ transmission charges shall be refunded accordingly</li> </ul>



PURCHASE OF POWER BY  
GENERATOR

# Power purchase in case of forced outage of generator

- ❑ In case of ***full or partial forced outage*** of a unit(s) of a generating station, the generator can purchase power through the contracts transacted in power exchange as specified in ***Regulation 6.3 of Central Electricity Regulatory Commission (Power Market) Regulations, 2021*** against the **standing clearance issued by the SLDC/RLDC**.
- ❑ The generator shall submit a declaration in the NOAR providing details of the forced outage or generation reduction prior to bidding in the power exchange as per Format-H.
- ❑ Transmission charges and withdrawal losses shall be applicable on the schedule for power purchased by generator, and it will be same as the ISTS transmission charges and losses of the State/Union Territory where the generator is geographically located.



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COMMERCIAL CONDITIONS :

APPLICATION OF  
FEE AND TRANSMISSION  
CHARGES

## Description

## Remarks

### Application Fees (for each Bilateral and Collective Transaction)

- Non-refundable fees of 5,000 INR through the payment gateway of NOAR along with application submission.

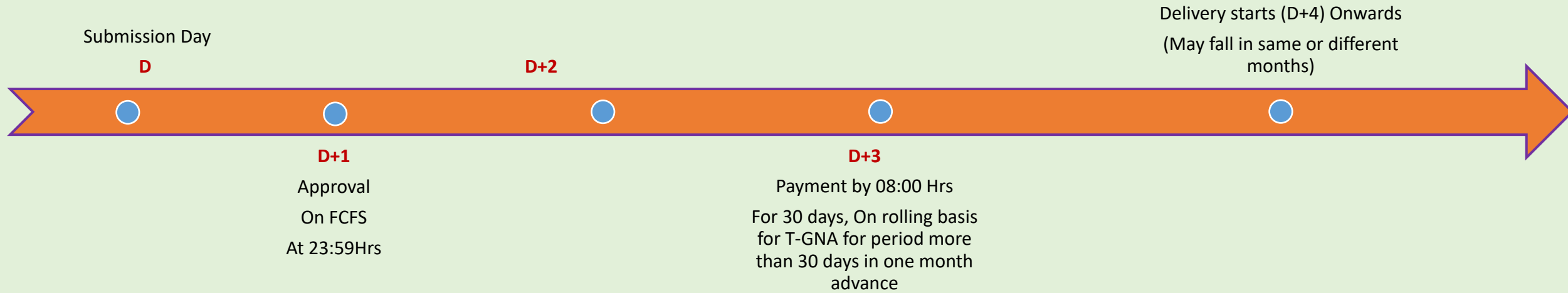
### Transmission Charges (for Bilateral Transactions)

- Covers Inter-State Transmission Systems involved
- Worked out on basis of total MW approved at regional boundary
- For Regional Transmission System: rate specified under Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations 2020
- **Advance category:** To be paid as per original approval for the first 30 days by applicant within 3 working days from the date of approval by RLDC or by 08:00 Hrs od day prior to schedule day whichever is earlier. Failing which NLDC/RLDC shall not schedule. For schedule more than 30 days on rolling basis, 30 days in advance.
- **Exigency Category:** along with application.
- Scheduling request not accepted by RLDC due to transmission constraint to be refunded by 15th day of the next month.
- Partial approval payment: adjusted for future applications.

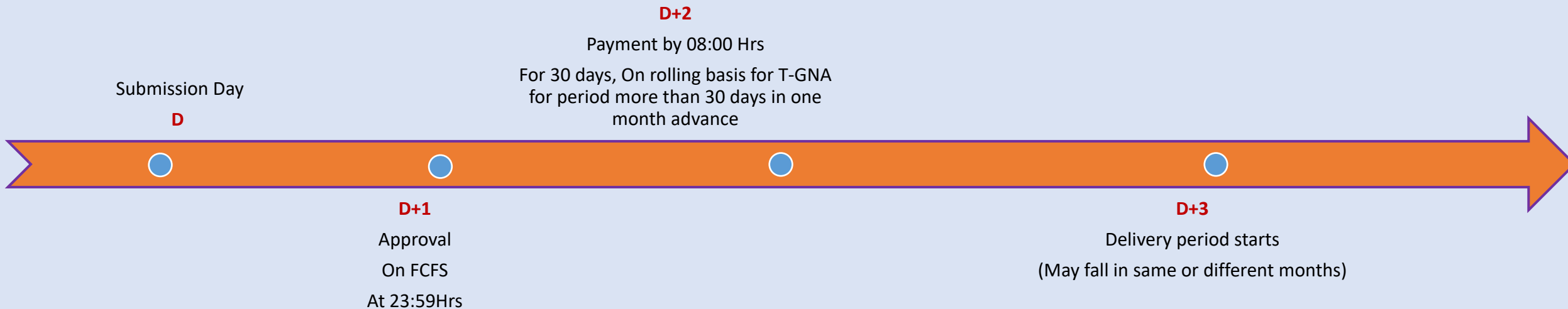
### Transmission Charges (for Collective Transactions)

- To be made by Power Exchange(s) to NLDC (by D+2 day, D being delivery day)
- Payable for drawl schedules more than GNA quantum or T-GNA quantum or both, as applicable.

# T-GNA Bilateral Transactions Timeframe



## Case of Advance T-GNA Starting within 3 working days:





Paymet

GNA - 3000 (Scheduled - 2500)

T-GNA - 1500 (Schedule - 1500)

Combined (GNA+T-GNA = 4500) - Combined Schedule (4000)

Balance - (4500-4000) = 500

If Collective - 2000

Then, ISTS charges will obly be paid for (2000-500) = 1500

# COMMERCIAL CONDITIONS:

- ✓ TDS
- ✓ DISBURSEMENT OF CHARGES
  - ✓ TREATMENT OF LOSS

# Commercial Conditions - TDS

Description	Remarks
<b>Payments for Bilateral and Collective Transaction</b>	<ul style="list-style-type: none"><li>▪ To be made electronically through payment gateway of NOAR</li></ul>
<b>Retrospective adjustments for T-GNA rates</b>	<ul style="list-style-type: none"><li>▪ Not to be done</li></ul>
<b>Deduction of TDS</b>	<ul style="list-style-type: none"><li>▪ Applicant to deduct TDS in name of POSOCO/CTUIL, if required</li><li>▪ TDS deducted against the PAN of POSOCO/CTUIL , shall be booked under appropriate (e.g. u/s 194- IA or 194-I).</li><li>▪ TDS certificates to be uploaded in NOAR</li><li>▪ Report the transaction-wise payment details to RLDC/NLDC through NOAR by next day of payment</li><li>▪ Details of tax-deduction &amp; challan number to be reported to RLDC/NLDC through NOAR by 10<sup>th</sup> of next month (as per Annexure-I)</li><li>▪ Applicant to submit quarterly TDS certificate in the NOAR (within 60 days from date of closure of each quarter)</li><li>▪ The applicant shall report the tax deduction in the names of the POSOCO/CTUIL to the Income Tax Authorities.</li><li>▪ Applicant is responsible to submit mapped 26 AS after end of each quarter wwithin 45 days</li></ul>
<b>Non-submission of tax-deduction related documents</b>	<ul style="list-style-type: none"><li>▪ Non submission of details to be treated as payment default</li><li>▪ Applicant will be debarred from making new applications through NOAR at 1100 hours of next day.</li><li>▪ Applicant will be re-allowed after default is cured</li></ul>



# Commercial Conditions -Disbursement of Charges

Description	Remarks
<b>Inter-State Tr Charges (Transactions of previous month)</b>	<ul style="list-style-type: none"><li>▪ Nodal Agency to disburse Transmission Charges &amp; Operating Charges (within 10 working days of next month)</li></ul>
<b>ISTS Transmission Charges transferred to CTU</b>	<ul style="list-style-type: none"><li>▪ Transmission Charges collected through NOAR to be transferred to CTU by within 10 working days for previous month</li><li>▪ CTU to disburse the Transmission Charges in accordance with approved Detailed Procedure for Billing, Collection and Disbursement under Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations 2020 and relevant CERC orders</li></ul>
<b>Refunds to applicants due to curtailment/revisions (Applicants and Power Exchanges)</b>	<ul style="list-style-type: none"><li>▪ To be disbursed within 15 working days of next month</li></ul>
<b>Reconciliation of charges</b>	<ul style="list-style-type: none"><li>▪ Nodal Agency to publish reconciliation statement within 15 from the date of disbursement of charges</li><li>▪ In case of no response received within 15 days to the reconciled statement, then statement shall be deemed to have been reconciled</li></ul>

# Treatment of Losses

- ❖ Buyers of the electricity shall absorb the energy losses in the ISTS for both bilateral and collective transactions, as per CERC (sharing of ISTS charge and losses) Regulations 2020
- ❖ The buyers in STOA transaction shall draw less power (MW) with respect to the contracted capacity
- ❖ Declared in advance by NLDC and shall not be revised.



# HANDLING OF DEFAULT



Description	Remarks
<b>Default in Payment (Application Fees, Transmission Charges, Interest, any other charges)</b>	<ul style="list-style-type: none"> <li>▪ Nodal RLDC may not schedule the transaction</li> <li>▪ Nodal RLDC may cancel the scheduling of already scheduled transaction</li> <li>▪ NOAR not to entertain any new application of such applicant until the default is cured</li> <li>▪ For collective transactions @ 0.04 % on the outstanding amount of each day of default</li> <li>▪ In case of Non scheduling on account of non opening of LC/ advance payment (PSM Portal), debarred for T-GNA</li> <li>▪ In case of DISCOM, any payment outstanding/ LPS against a bill as per statement available with PRAAPTI portal, it shall be debarred from applying for T-GNA, further existing transactions under T-GNA may stand curtailed.</li> </ul>
<b>Default in submission of TDS details (by 10<sup>th</sup> of every month)</b>	<ul style="list-style-type: none"> <li>▪ Applicant to be debarred from submitting applications till default is cured</li> </ul>
<b>Default in submission of TDS Certificates (Within 60 days of closure of each quarter)</b>	<ul style="list-style-type: none"> <li>▪ Applicant to be debarred from submitting applications till default is cured</li> </ul>
<b>Default in Payment by Power Exchange(s)</b>	<ul style="list-style-type: none"> <li>▪ NLDC may terminate the already scheduled transactions of Power Exchange(s)</li> <li>▪ NLDC may not entertain any new application from Power Exchange(s)</li> <li>▪ NLDC may suspend the application/transaction operations of NOAR for Power Exchange(s)</li> </ul>





***“Never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it is the only thing that ever has.”***

**—Margaret Mead**

**Thank You...**

***National Load Despatch Centre (NLDC)***