

पावर सिस्टम ऑपरेशन कॉर्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

POWER SYSTEM OPERATION CORPORATION LIMITED

(A Govt. of India Enterprise)



पंजीकृत एवं केन्द्रीय कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016
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पोसोको/रा. भा. प्रे. कें./

दिनांक: 31st May 2020

सेवा में,

1. The Managing Director
Indian Energy Exchange Limited
Unit No. 3,4,5 and 6
Fourth Floor, TDI Centre
Plot No - 7, Jasola
New Delhi – 110025

2. The Managing Director
Power Exchange India Limited
9th Floor, 901, Sumer Plaza
Marol Maroshi Road
Marol Andheri (East),
Mumbai – 400059

विषय: Revised Procedures for Scheduling of Collective Transactions through Real Time Market (RTM)

संदर्भ: 1. Detailed Procedures for Scheduling of Collective Transactions through Real Time Market (RTM) vide NLDC letter पोसोको/रा. भा. प्रे. कें./ dated 15th May 2020.

2. CERC Order in Petition no. 10/SM/2020 dated 28th May 2020.

महोदय,

In pursuance to the directions of Hon'ble Commission in Petition no. 10/SM/2020 dated 28th May 2020, Revised Procedures for Scheduling of Collective Transactions through Real Time Market (RTM) are enclosed for kind information.

सादर धन्यवाद,

भवदीय,

(देबाशिस दे)

कार्यपालक निदेशक, रा.भा.प्रे.कें.

संलग्नक: उपरोक्तानुसार

प्रति:

- Secretary, Central Electricity Regulatory Commission, 3rd & 4th Floor, Chanderlok Building, Janpath, New Delhi – 110001
- All Stakeholders



Power System Operation Corporation Ltd.
(A Government of India Enterprise)

**Procedure for Scheduling of
Collective Transactions through Real Time Market
(RTM)**

*[As per CERC Open Access Regulations, 2008 (dated 25.01.2008) &
subsequent (Amendment) Regulations]*

**National Load Despatch Center, New Delhi
May, 2020**

(Revision No. 1 dated 31st May 2020)

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FORMATS FOR SCHEDULING OF COLLECTIVE TRANSACTIONS IN REAL TIME

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FORMAT – PX-VI:	Affidavit by the Regional Entity
FORMAT – PX-VIA:	Declaration/Undertaking by the generator willing to purchase power in case of forced outage

Procedure for Scheduling of Collective Transactions through Real Time Market (RTM)

1. PREAMBLE

1.1. This Procedure is in accordance with the Para 9.7 of the Statement of Reason (SoR) of Framework for Real Time Market for Electricity and various provisions of the Central Electricity Regulatory Commission (Open Access in inter-State Transmission) Regulations, 2008 and amendments thereof and Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010 and amendments thereof.

1.2. The Procedure shall apply to the applications made for Scheduling of Collective Transactions in Real Time Market by availing of Short Term Open Access for use of the transmission lines or associated facilities with such lines on the interstate transmission system. The short term open access transmission charges would be payable as per the Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations 2010 and relevant CERC orders.

1.3. All the words and expression used in the Procedure shall have the same meaning assigned to them as defined in the Regulations.

2. INTRODUCTION

2.1. All Entities, whose scheduling, metering and energy accounting is presently being carried out by Regional Load Despatch Centres (RLDCs)/Regional Power Committees (RPCs) shall be deemed to be Regional Entities of the respective region. Any Entity, who satisfies the conditions for scheduling, metering & energy accounting by Regional Load Despatch Centres, as per Indian Electricity Grid Code and amendments thereof, and is intending to participate in trade through Power Exchange (Real Time Market) as a Regional Entity shall obtain "Standing Clearance" from the respective Regional Load Despatch Centres (RLDCs), as per the enclosed format. [FORMAT-PX-V: "Standing Clearance" to Power Exchange.]

2.2. State Utilities and intra State entities proposing to participate in trading through Power Exchange(s) (Real Time Market) shall obtain "Standing Clearance" from the respective State Load Despatch Centres (SLDCs), as per the enclosed format. [FORMAT-PX-I: "Standing Clearance" to Power Exchange.]

2.3. “The “Standing Clearance” shall indicate the maximum quantum of power (total ex-bus capacity) that can be scheduled for an entity through all types of transactions for regional entities. For intra-state entities, “Standing Clearance” shall indicate the maximum quantum of power that can be scheduled through collective transactions in Power Exchanges (DAM/RTM) and Bilateral Day Ahead / Intra Day/ Contingency transactions through interstate transactions. The concerned entity shall ensure that total scheduled MW through all such types of transactions remains within the quantum as per the standing clearance issued by the concerned RLDC/ SLDC.

2.4. The entities shall submit “Standing Clearance” obtained from RLDC/SLDC to Power Exchange (s). The Power exchange (s) shall allow the transactions as per these Standing Clearance and/or Available Transfer Capability (ATC) advised by NLDC/RLDC/SLDC.

2.5. The “Standing Clearance” submitted by the Regional Entity/ State Utilities/intra state entity to the Power Exchange for the Day Ahead market shall also be utilized in Real Time Market.

2.6. The “Standing Clearance” submitted by the Regional Entity/ State Utilities/intra state entity shall be reviewed on quarterly basis by the respective RLDCs/SLDCs as the case may be. Even if there is no change in the status, it shall be resubmitted by the respective Regional Entity/ State Utilities/intra state Entity. However, the RLDC/SLDC may revise /withdraw the Standing Clearance in case of emergency / detection of undesired gaming or conditions/new developments which may warrant the same in the interest of Grid safety/security or any such other reason. The concerned Entity shall ensure that total scheduled MW through all types transactions remains within the quantum as per the Standing Clearance issued by the concerned RLDC/SLDC.

2.7. Each RLDC, on their website, shall display the list of Regional Entities of the Region. Similarly, each SLDC, on their website, shall display the list of the intra state Entities of their State.

2.8. All Entities participating in the Power Exchange(s) shall be identifiable with a Unique Code on the basis of Bid Area, sub Bid Area (if any), Regional Entity; Intra state Entity. Power Exchange (s) shall use the same codes as have been specified for the Day Ahead Market by NLDC.

2.9. All data between NLDC and Power Exchange(s) shall be exchanged electronically through redundant dedicated communication channel for better reliability.

2.10. The Power Exchange(s) shall ensure that the necessary infrastructure for data exchange/communication with NLDC/RLDCs and SLDCs is put in place prior to commencement of the operation. The Power Exchange(s) shall be responsible for the day to day maintenance of the same.

2.11. Power Exchange(s) shall be responsible for Settlement of Energy Charges, Price Discovery and Settlement arising due to Congestion, with its participants in accordance with the relevant CERC Regulations.

2.12. Application for “Scheduling of Collective Transaction in Real Time Market” not in conformity with these Procedures/Regulations shall not be processed.

2.13. Notwithstanding anything contained in this Procedure, NLDC/RLDCs/SLDCs may take appropriate decisions in the interest of System Operation. Such decisions shall be taken under intimation to CERC and the procedure shall be modified /amended, as necessary.

3. SUBMISSION/PROCESSING OF APPLICATION

3.1. CERC vide Order in Petition No. 10/SM/2020 (Suo-Motu) dated 28th May 2020 has provided the methodology for Transmission Corridor Allocation for Implementation of Real Time Market (RTM). Hence, in accordance with this CERC Order the methodology as mentioned in Para 3.2, 3.3 and 3.4 shall be followed.

3.2. At the end of RTM bidding session i.e. Gate Closure, NLDC shall announce the Available Transfer Capability (ATC) for RTM transactions for the interfaces/control areas/inter-regional transmission systems.

3.3. The Power Exchanges shall run the process of bid matching considering all the buy and sell bids on their platform, factoring ATC for Real time transactions, announced by the NLDC. The provisional trade results derived in this process shall be submitted to the nodal agency, NLDC.

3.4. NLDC shall verify the combined trade cleared in both Power Exchanges against the ATC for RTM for import/export for all interfaces. If the combined cleared trade of the two Power Exchanges is within the ATC for Real time transaction, the initial results shall be confirmed by NLDC to the Power Exchanges. In the event of the combined cleared trade exceeding the ATC for RTM, the allocation of available corridor margin between the Power Exchanges shall be in the ratio of the initial market clearing volume of RTM in the respective Power Exchanges, and accordingly, this shall be communicated to the Power Exchanges. The Power Exchanges shall

thereafter submit the final trades in conformity with the available corridor margin as provided by the NLDC.

3.5. Power Exchange(s) shall ensure that “Scheduling Request for Collective Transaction in Real Time Market” is within the limits (as per Para 3.4 of this Procedure) for each time block as intimated by NLDC. Further, Power Exchange(s) shall ensure that the Scheduling Request is within the limits for each time block specified by respective RLDCs/SLDCs in the “Standing Clearance”, submitted by Utilities/ Entities to Power Exchange(s). However, for a particular RTM session if the trade cleared by a particular Power Exchange is more than the margin provided by NLDC, then NLDC shall consider the trade quantum of all bid area for the particular Power Exchange(s) to be zero and send an exception report to the corresponding power exchange (s)

3.6. Power Exchange(s) shall club together all Buyers within a State in one group and all Sellers within a State in another group for the purpose of Scheduling by RLDCs.

3.7. The complete details of Collective Transactions in Real Time Market for day ‘D’ shall be submitted on day ‘D+1’ along with the application for scheduling of Collective Transaction in Day Ahead Market submitted by the Power Exchange(s), to the NLDC as per Format-PX-II.

3.8. Power Exchange shall reconcile the RTM trades with NLDC on a daily basis at the end of the day/next day.

4. SCHEDULING

4.1. The Scheduling request of Collective Transaction in Real Time Market shall be submitted by the Power Exchange(s) three (3) time blocks (45 minutes) ahead of the first time block for delivery of the power, to the NLDC as per Format-PX-III.

4.2. Generators shall ensure that bidding in the Real Time Market is done taking into account their ramping constraints to facilitate proper scheduling of trades.

4.3. NLDC shall send the details (Scheduling Request of Collective Transaction in Real Time Market) to the concerned RLDCs after receipt of the same from the Power Exchange(s) accommodating them in their schedules.

4.4. Concerned RLDCs shall accommodate the Schedule of Collective Transactions in Real Time Market in the schedules of the respective Regional Entity’s and inter-Regional Schedules.

4.5. RLDCs shall schedule the Collective Transaction at the periphery of the respective Regional Entities.

4.6. RLDCs shall incorporate all buyers within a State (clubbed together as one group) and all sellers within a State (clubbed together as another group), in the schedules of the Collective Transactions in Real Time Market.

4.7. The individual transactions for State Utilities/intra-State Entities shall be scheduled by the respective SLDCs. Power Exchange(s) shall send the detailed breakup of each point of injection and each point of drawl within the State to respective SLDCs two (2) time blocks (30 minutes) ahead of the time of delivery of the power. The details for Scheduling Request for Collective Transaction in Real Time Market shall be submitted by Power Exchange (s) to the respective SLDCs as per Format–PX-IV.

4.8. Power Exchange(s) shall ensure necessary co-ordination with SLDCs for scheduling of the transactions.

4.9. While finalizing the Drawl Schedule / Injection schedule of Entities, each transaction shall have a resolution of 0.01 MW at each State/inter-Regional boundaries.

4.10. Under extreme circumstances including but not limited to failure of communication and/or any such other reason e.g. data transfer failure, if the final cleared trades are not received by NLDC for scheduling through the RLDCs, or if the information regarding transmission margin is not received by Power Exchanges(s) then, the schedules for such RTM session(s) shall be made zero (0) and the Power Exchange(s) shall settle accordingly. Information regarding zero (0) schedules in a particular RTM session shall be communicated by NLDC to Power Exchange(s) by the end of two (2) time blocks prior to delivery.

4.11. The Scheduling request of Bilateral Contingency / Same day application shall be submitted by the Applicants to the RLDCs, at least two and half hours before the start of delivery period in order to dovetail the timelines for clearing of Bilateral Contingency / Same day transactions and the RTM.

5. TREATMENT OF LOSSES

5.1. Inter State transmission losses would be applied separately on Buyers as well as Sellers of Collective Transaction, for arriving at the Schedules at respective regional entity periphery.

5.2. Losses shall be applicable as per the Procedure for Sharing of Inter-State Transmission Losses under relevant Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations and related CERC orders.

5.3. The intra-State transmission system losses shall also be taken care of in the Schedules by respective SLDCs.

5.4. Any change in the intra-state transmission losses conveyed to the intra state entities by the respective SLDCs latest by 1000 Hrs. of current day shall be applied in the delivery of trades in RTM from the next day.

6. REAL TIME CONGESTION MANAGEMENT

6.1. In case of transmission constraint or threat to grid security, the scheduled transactions may be curtailed in the manner as decided by the NLDC / RLDCs / SLDCs to relieve the transmission constraint/ to improve grid security.

Provided that subject to provisions of the Grid Code, while curtailment of any transaction, among short term, medium term and long term transactions, short term transactions shall be curtailed first, followed by medium term and thereafter long term transactions.

6.2. Collective Transaction through Power Exchange(s) would be curtailed subsequent to the Short Term Bilateral Transaction(s).

6.3. While curtailing collective transactions, day ahead transactions shall be curtailed first followed by the real time transactions.

6.4. RLDCs would curtail a Transaction at the periphery of the Regional Entities. SLDC(s) shall further incorporate the inter-se curtailment of intra-State Entities to implement the curtailment. NLDC/RLDCs/SLDCs shall endeavour to incorporate the curtailment of RTM transactions in the schedules of the respective entities prior to the delivery period on best effort basis as the time available is extremely short & limited.

6.5. In case of curtailment of a Transaction caused by transmission constraints / threat to grid security, the Transmission Charges in respect of such Transaction shall be payable on pro-rata basis in accordance with the finally Implemented Schedules. Operating Charges shall not be revised in case of curtailment.

6.6. Power Exchange (s) shall be responsible for the settlement on account of curtailment, directly with its participants. NLDC/RLDCs/SLDCs shall interact only with the respective Power Exchange(s), for the same.

6.7. In case of outage of transmission system for evacuation of power from a generating station, the concerned generating station shall ensure that bids placed in the RTM are

commensurate with the available power evacuation system as informed by the concerned SLDC/RLDC.

7. REVISION OF SCHEDULE:

7.1. ISGS(s) may participate in the Real Time Market due to generation margin available after revision of schedules by its beneficiaries, where revision in schedule made in odd time blocks shall become effective from 7th time block and any revision in schedule made in even time blocks shall become effective from 8th time block, counting the time block in which the request for revision has been received by the RLDCs to be the first one.

7.2. Wind or Solar generator may participate in the Real Time Market provided that their schedules through the Day-Ahead Market and Real Time Market shall not be revised.

7.3. A generator having participated in collective transaction in Day Ahead Market and Real Time Market cannot revise its schedule in DAM and RTM in case of forced outage for the time blocks for which it has been cleared.

7.4. Generator shall have an option to purchase power in real time market, only in the case of forced outage of a unit(s). In such a case, the generator shall submit an undertaking to the Power Exchange(s) (with a copy to concerned RLDC/SLDC) where it is participating giving details of the forced outage (time of outage, reason of outage, anticipated revival time) prior to bidding in the RTM as per Format PX-VI A. Withdrawal PoC charges and Withdrawal PoC losses shall be applicable on such generators and it will be same as the withdrawal PoC charges and losses of State/Union Territory where the generator is geographically located.

8. COMMERCIAL CONDITIONS:

8.1. The following Short-Term Open Access charges shall apply for Collective Transaction in Real Time Market through Power Exchange(s) and shall be payable to National Load Dispatch Centre by Power Exchange(s):

a) Non-refundable application fee of Rs. 5000/- shall be payable per day, for processing the RTM application(s) irrespective of the quantum of RTM trade. Power Exchange shall not be required to pay any application fee for the day on which the total traded volume in all RTM sessions is zero.

b) The transmission charges shall be payable as applicable as per the rate specified under Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations 2010 and relevant CERC orders.

c) NLDC operating charges shall be payable at Re. 1/MWh by each of the successful buyer and seller on the basis of its energy scheduled (MWh) at regional periphery. The NLDC Operating Charges payable by each of the successful buyer and seller, for a day, shall be capped to a maximum ceiling of Rs 200 per day.

8.2. The following Short Term Open Access charges shall apply for the intra state entities for the use of intra state transmission system in Collective Transaction in Real Time Market through Power Exchange(s) and shall be payable directly to State Load Dispatch Centre by Power Exchange(s):

a) The intra state entities shall pay the transmission charges for use of the State network as determined by the respective State Commission in addition to the charges specified under the clause 8.1 of this procedure.

b) If State Commission has not determined the transmission charges for use of the state network in Rs. /MWh, the charges for use of respective State network shall be payable at the rate of Rs. 80/MWh for the energy approved.

Provided further that non-determination of the transmission charges by the State Commission for use of the State network shall not be a ground for refusal of open access.

c) The successful buyers and sellers shall also pay SLDC operating charges as may be decided by the Commission or Rs 1000/- per day only if the operating charges have not been notified by the respective State Commission for the SLDC involved for each point of the collective transaction.

d) For the purpose of the levy of operating charges for State Load Dispatch Centre and levy of the intra-State transmission charges, each point of the injection or drawl in the State network shall be counted separately.

8.3. Payment of Application fee, Inter State Transmission Charges, NLDC Operating Charges and Congestion Revenue shall be made by the Power Exchange(s) to the NLDC, by the next working day falling after the day for which its Application was processed at NLDC along with the payment details as per Format – PX-IIA.

8.4. The Transmission Charges for the use of intra state transmission system and Operating Charges for the SLDCs shall be directly settled by the Power Exchange(s) with the respective SLDC.

8.5. All payments shall be remitted by electronic transfer to the designated Bank Accounts of the respective entities.

8.6. The Power Exchanges will provide NLDC with a daily consolidated list of successful participants along with their volumes cleared and the NLDC operating charges levied on these successful participants.

8.7. The generators whose tariffs are determined by the Commission under section 62 of the Act and participating in this market shall share the net realized gains (after accounting for fuel charge including incidental charges) with the beneficiaries in the ratio of 50:50 subject to a ceiling of share of 7 paisa / kWh to the generator and the gains over and above 7 paisa / kWh shall be to the account of the beneficiary.

9. TREATMENT IN CASE OF DEFAULT IN PAYMENT

9.1. In case of default in payment of NLDC/RLDCs/SLDCs, the NLDC at its discretion, may suspend the scheduling of Transaction and/or may terminate the already Scheduled Transaction and/or may not entertain any Application of such Power Exchange(s) in future, until such time the default is cured.

9.2. In case of payment default, Power Exchange(s) shall pay to NLDC a simple interest at the rate of 0.04 % for each day of default, from the Due Date of Payment.

10. DISBURSAL OF PAYMENT

10.1. NLDC shall reconcile the Short-Term Open Access Charges collected during the previous month by the tenth (10th) working day of the current month.

10.2. The transmission charges shall be transferred to the CTU for disbursement in accordance with the Approved Detailed Procedure for Billing, Collection and Disbursement under Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations and relevant CERC orders.

10.3. In case of refunds arising due to curtailment of transactions during the previous month, the same shall also be disbursed to the concerned Power Exchange by fifteen (15) working day of the current month.

11. INDEMNIFICATION

11.1. The Power Exchange(s), including its Buyers and Sellers, shall keep each of the NLDC/RLDCs/SLDCs indemnified at all times and shall undertake to indemnify, defend and save the NLDC/RLDCs/SLDCs harmless from any and all damages, losses, claims and actions, including those relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the transactions.

11.2. The Power Exchange(s), including its Buyers and Sellers, shall keep each of the NLDC/RLDCs/SLDCs indemnified at all times and shall undertake to indemnify, defend and save the NLDC/RLDCs/SLDCs harmless from any and all damages, losses, claims and actions arising out of disputes among Buyers and Sellers, as well as with Power Exchange(s), inclusive of confidentiality issues.

“Standing Clearance”

<<Format in which Standing Clearance is to be given by SLDCs to a State Utility or intra-state Entity for submission to Power Exchange>>

Ref. No. _____

Dated. _____

1. Name of the SLDC issuing No Objection :
 2. Region : North / West / South / East / North-East
 3. Name of the Entity :
 4. Status of Entity (e.g. State Utility/CPP/IPP/DISCOM etc.):
 5. If Generator, then Type of Generator (RE or Non-RE) :
 6. Point(s) of Connection :
 7. Max. MW ceiling allowed for Injection* :
 8. Max. MW ceiling allowed for Drawal* :
- (* SLDCs may specify different MW ceilings for different time blocks, if required.)
9. Validity Period : From : << **Date** >> To: << **Date** >>

10. Transmission losses (besides Regional Transmission losses)

	Whether Applicable or not (Yes/No)	(%) loss
State Transmission losses		
Distribution Licensees losses		
Any other losses		

11. Transmission charges (besides Regional Transmission charges)

	Whether Applicable or not (Yes/No)	Rate (Rs./MWh)
State Transmission Charges		
Distribution Licensees		
Any other charges		

Declaration:

It is hereby certified that:

- a) We have “No Objection” to seeking and availing Open Access by <<**Name of Entity**>>, through Power Exchange upto the MW ceiling as specified above, in accordance with applicable regulations of CERC/<<**State**>> ERC.
- b) We have the required infrastructure for energy metering and time block wise accounting in place. The State/ Distribution licensee network has the required transfer capability for transfer of power as per specified ceiling.
- c) The Transmission Charges for the use of State/Distribution Licensee network and Operating Charges for the State Load Despatch Centers shall be directly settled by Power Exchange with us.
- d) The State Utility designated for the purpose of collection/disbursement of UI charges shall be responsible for timely payment of State’s composite dues into the Regional Pool Account.
- e) Any mismatch between the Scheduled and Actual drawal/injection for the intra-State Entity shall be determined by us and will be covered in the intra-State UI accounting scheme, or as applicable.
- f) The Reactive Energy Charges shall be governed by the Regulations applicable within the State.
- g) We shall disburse the Transmission Charges for use of the State/Distribution Licensee Network to the State Transmission Utility /Distribution Licensee directly.
- h) We shall inform the total import and export capability of the State as a whole to all concerned. Attempt shall be made to declare this in advance through our website.
- i) Any change in the contents of the Standing Clearance shall be conveyed to the party to whom Standing Clearance was given, latest by 10 Hrs. of the day prior to the day of transaction. In such cases, the Power Exchange(s) shall also be informed simultaneously.
- j) If the applicant is generator, then the Drawal quantum mentioned under serial no. 8 above is applicable only for the duration of forced outage of Generator.
- k) If the applicant is generator, then generator shall ensure that bidding in the Real Time Market is done taking into account their ramping constraints

Signature
Name
Designation
(Authorized Signatory)
Phone No.:

Place:

Date:

AFFIDAVIT

I,<<name of the person>>..... son of Shri ...<<father's name>>..... aged ...<<age>>..... Years and presently working with the<< name of the Company/Trading Licensee/organization>>..... having its registered office situated at<< address>>....., do hereby solemnly affirm and state as under:

1. THAT I am working as ...<<designation>>... with the<< name of the company>>....., is duly authorized to make this affidavit.
2. THAT I had made an [Application OR Application after removal of deficiency or rectification of defects, as communicated by the _____SLDC] {as the case may be} to _____SLDC for seeking "Standing Clearance" for grant of inter-State short-term open access in accordance with the format specified by the _____SLDC, if any on<< date of submission of application to SLDC>>..... A copy of the acknowledgement (or any other evidence in support of delivery of the application to the SLDC, given by the _____SLDC is enclosed along with this Affidavit as Annex-I.
3. THAT the State Load Despatch Centre has failed to convey any deficiency or defect in the application or its refusal or concurrence or 'no objection' or prior standing clearance, as the case may be, within the specified time i.e.;<< Date by which SLDC is to be respond>>..... { 3 working days /7 working days in case of first time applicant}
4. THAT the necessary infrastructure for time-block-wise energy metering and accounting in accordance with the provisions of the Grid Code in force, is in place; and are enclosed along with the affidavit – as Annex-II. It is also understood that the _____SLDC is responsible for the scheduling and energy accounting and RLDCs will not be responsible in any manner in this regard.
5. THAT I shall keep each of the RLDCs/NLDC indemnified at all times and shall undertake to indemnify, defend and save the RLDCs/NLDC harmless from any and all damages, losses, claims and actions arising out of disputes relating to scheduling, metering, billing, energy accounting, settlement etc. due to such short-term open access transaction.

DEPONENT

Verification:

Verified at ...<< place>>... on this day of ...<<month>>....., ..<<year>>... that the facts stated in the above affidavit are true & correct to my knowledge and no part of it is false and nothing intended has been concealed therefrom.

DEPONENT

**APPLICATION FOR SCHEDULING OF COLLECTIVE TRANSACTION
THROUGH REAL TIME MARKET**

<<Formats for Application to be submitted by Power Exchange(s) to NLDC>>

Application No.

Date:

Name of Power Exchange:

Scheduling Request for <<Date >>

Region	Sum of Injection by all Sellers (MWh)	Sum of Drawal by all Buyers (MWh)	Net Injection(+) / Drawal(-) (MWh)	Number of Regional Entities involved	
				(Injection)	(Drawal)
Northern					
Western					
Southern					
Eastern					
North-Eastern					
TOTAL					

Open Access Charges:

1. Application Fee : Rs.
2. Transmission Charges : Rs.
3. Operating Charges : Rs.

Note: Payment details shall be submitted as per Format – PX-IIA.

It is hereby certified that

- a) The request for scheduling submitted has been arrived at after a transparent process of bidding.
- b) The request for scheduling is within the available margins on respective transmission systems.
- c) “Concurrence/“No objection”/“Prior Standing clearance” has been obtained from the concerned State Load Despatch Centers in the specified format, wherever applicable, which *inter alia* provides that respective State Utilities shall be responsible for timely payment of State’s composite due to Regional Pool Account. All Sale / Buy transactions are within the limits specified by SLDCs.
- d) All Entities (Buyer / Seller / Trader / Power Exchange) involved in the Collective Transaction agree to abide by the provisions of Electricity Act, IEGC, CERC (Open Access in Inter-State Transmission) Regulations, 2008 and the Procedures for Scheduling of Collective Transactions in the Real Time Market issued by National Load Despatch Centre, as amended from time to time.
- e) The provisions under Para 11.1 & 11.2 of the “Procedure for Scheduling of Collective Transaction in the Real Time Market” are expressly understood to be complied with.
- f) Scheduling Request has been forwarded to NLDC electronically in the prescribed format.
- g) No past payment is outstanding.

**Place:
Date:**

**Signature
Name
Designation
Phone No.:**

<<Name of Power Exchange>>

Ref No. -----

Date: DD-MM-YYYY

To,

The Shift In-charge

NLDC

Subject: Payment of Application Fee, Congestion Revenue, Transmission and Operating charges payable to NLDC for scheduling of Collective Transactions in RTM for delivery Date

Sir,

This has reference to our application for scheduling of Collective transactions for Delivery Date The details of bank payment are as below:

Type of Charges / Revenue	Amount (Rs.)	Instrument Type (ECS / NEFT / RTGS / Draft / Cheque)	Instrument No. / Ref. No	Date of Transaction	Recipient Bank	Remarks
Application Fee						
Transmission Charges						
Operating Charges						
Congestion Revenue						

TOTAL

In case of any discrepancy in the calculations, please let us know at the earliest not later than 20 days from the date of issue of the letter.

(Signature)

Authorized Signatory

<< NAME OF THE POWER EXCHANGE >>

FORMAT: PX-III

SCHEDULING REQUEST FOR COLLECTIVE TRANSACTION IN REAL TIME MARKET

DATE:

TIME:

Scheduling Request for : << Date >> RTM
Session No.: <<.....>>

All figures in MW

Time Period	Northern			Western			Southern			Eastern			North-Eastern			TOTAL	
	Sum of Injection by all Sellers in the Region	Sum of drawal by all Buyers in the Region	Net Injection(+)/ Drawal (-) from/in the Region	Sum of Injection by all Sellers in the Region	Sum of drawal by all Buyers in the Region	Net Injection(+)/ Drawal (-) from/in the Region	Sum of Injection by all Sellers in the Region	Sum of drawal by all Buyers in the Region	Net Injection(+)/ Drawal (-) from/in the Region	Sum of Injection by all Sellers in the Region	Sum of drawal by all Buyers in the Region	Net Injection(+)/ Drawal (-) from/in the Region	Sum of Injection by all Sellers in the Region	Sum of drawal by all Buyers in the Region	Net Injection(+)/ Drawal (-) from/in the Region	Sum of Total Injection	Sum of Total Drawal
00:00-00:15																	
00:15-00:30																	
00:30-00:45																	
00:45-01:00																	

23:45-24:00																	

Scheduling Request for Inter-Regional Corridors for Collective Transaction in Real Time Market													
Time Period	NR-WR		ER-NR		SR-WR		ER-SR		ER-WR		NER-ER		
	NR --> WR	WR --> NR	ER --> NR	NR --> ER	SR --> WR	WR --> SR	ER --> SR	SR --> ER	ER --> WR	WR --> ER	NER --> ER	ER --> NER	
00:00-00:15													
00:15-00:30													
00:30-00:45													
00:45-01:00													

23:45-24:00													

Regional Entity wise Scheduling Request for Collective Transactions in Real Time Market << For all concerned Regional Entities >>

Bid Area	<<Name & Code>>	
Regional Entity	<<Name & Code>>	
Time Period	Sum of Injection(MW) by all Sellers within the State	Sum of Drawal (MW) by all Sellers within the State
00:00-00:15		
00:15-00:30		
00:30-00:45		
00:45-01:00		

23:45-24:00		

Note : This is a suggested format only. The format, including the contents for electronic transfer of information shall be agreed to between NLDC & Power exchange(s) as per the requirements.

<< NAME OF THE POWER EXCHANGE>> FORMAT: PX-IV
SCHEDULING REQUEST FOR COLLECTIVE TRANSACTION IN REAL TIME MARKET TO <<name of SLDC>>

DATE: TIME:

Scheduling Request for : << Date >>
 RTM Session No: <<----->>
 Name of the Regional Entity :
 Code of the Regional Entity:

All figures in MW

Summary of Injection/Drawal for Scheduling of Collective Transaction in Real Time Market through Power Exchange:

	Sum of injection by all entities within the State	Sum of Drawal by all entities within the State
Time Period	Trade Schedule (MW)	Trade Schedule (MW)
00:00-00:15		
00:15-00:30		
00:30-00:45		
00:45-01:00		

23:45-24:00		

Details of each point of Injection(-) /Drawal (+):

State Utilities / Intra-State Entity							
	Name1	Name2	Name3	Name4	Name5	Name6	Namen
	Code	Code	Code	Code	Code	Code	Code
Time Period	Trade Schedule (MW)	Trade Schedule (MW)	Trade Schedule (MW)	Trade Schedule (MW)	Trade Schedule (MW)	Trade Schedule (MW)	Trade Schedule (MW)
00:00-00:15							
00:15-00:30							
00:30-00:45							
00:45-01:00							

23:45-24:00							

NOTE:

(i) This is a suggested format only. The format, including the contents for electronic transfer of information shall be agreed to between SLDC(s) & Power exchange(s) as per the requirements.

(ii) The SLDCs may also ask Power Exchange(s) to furnish Schedules considering Losses (upto State Periphery and/or upto intra-State entity periphery) for the purpose of checking the schedules.

" Standing Clearance"

<< Format in which Standing Clearance is to be given by RLDCs to a Regional Entity for submission to Power Exchange>>

Ref No. _____

Dated _____

- 1 Name of the -RLDC issuing Standing Clearance :
- 2 Region :
- 3 Name of the Entity :
- 4 Status of Entity (e.g. ISGS/State Utility/CPP/IPP/Bulk Consumer/Others) :
5. If Generator, then Type of Generator (RE or Non-RE)
- 6 Point(s) of Connection :
- 7 Max. MW ceiling allowed for Injection* :
- 8 Max. MW ceiling allowed for Drawal* :
(* RLDCs may specify different MW ceilings for different time blocks, if required.)
- 9 Validity Period : **From <<Date>> To: <<Date>>**
(* RLDCs may specify different MW ceilings for different time blocks, if required.)

10 Transmission losses (Regional Transmission Losses)

	<u>Whether Applicable or not (Yes/No)</u>	<u>PoC slab as per latest available CERC order</u>
Regional Transmission Losses		

11 Transmission Charges

	<u>Whether Applicable or not (Yes/No)</u>	<u>PoC rate (Rs./MWh) as per latest available CERC order</u>
Transmission Charges		

Terms and Conditions:

- a) The above limit shall be honored in case of simultaneous trading through multiple exchanges.
- b) It needs to be ensured by M/s ----- that the maximum schedule contracted considering all LTA/MTOA/STOA (Collective & Bilateral) transactions should not exceed the above mentioned quantum (Ex-PP) in case of sale of power.
- c) It needs to be ensured that M/S ----- shall utilize this standing clearance for purchase of power only in case of forced outage .
- d) If the applicant is generator, then the Drawal quantum mentioned under serial no. 8 above is applicable only for the duration of forced outage of a Generator.
- e) All trades/contracts to be done as per applicable CERC regulations/procedures/orders. Quantum of trades would be restricted to margins available over the transmission system, in case of corridor constraints.
- f) For renewal of the standing clearance, M/s -----shall approach -----RLDC at least one week prior to the expiry of the standing clearance, with a request for renewal and affidavit, depicting the maximum quantity desired to be traded in Short Term market.
- g) While contracting any trade using this standing clearance, M/s -----needs to ensure that no PPAs are being breached.
- h) -----RLDC possesses the right to rescind the standing clearance in case of emergency of any adverse situations / detection of undesired gaming or conditions/new developments which may warrant the same for preservation of Grid safety/security or complaints regarding breach of PPAs.
- i) M/s -----shall be responsible for timely payment of dues into the Regional Pool Accounts and -----RLDC Fees & Charges account well within the due dates.
- j) If the applicant is generator, then generator shall ensure that bidding in the Real Time Market is done taking into account their ramping constraints.

Place :

Date :

Signature

Name

Designation

(Authorised Signatory)

Phone No:

Format-PX-VI

(This format is applicable for collective transactions for day ahead/Real Time Market or for bilateral intra-day/contingency transactions)

Affidavit

[In compliance to Regulation 8 of the Central Electricity Regulatory Commission (Open Access in inter-state Transmission) Regulations,2008 as amended from time to time

I, -----, s/o ----- aged ----- years working as -----, with ----- having its registered office at ----- do hereby solemnly affirm and state as follows:-

1. a. I am the representative of ----- (hereinafter referred to as the “applicant”) and I am duly authorized to make this affidavit.

b. That I am dealing with the sale and purchase of power on behalf of the applicant.

c. The applicant has a ----- generating station/captive generating plant with a total installed capacity of ----- MW (for Unit No. -----) situated at ----- in the state of -----.

d. The applicant is applying for “Standing Clearance” for the purpose of availing inter-state open access for sale of ----- MW capacity for the duration of ----- day(s) from ----- to ----- and for purchase of ----- MW capacity for the duration of ----- day(s) from ----- to -----.

e. I (Generator) undertake that during the forced outage, power through Real time market (RTM) shall be purchased only upto the quantum already approved under STOA (Bilateral and Collective) transactions for the duration of forced outage as STOA (Bilateral and Collective) transactions are not revised due to forced outage of a generator.

2. a. I say that the power equivalent to ----- MW(from Unit No. -----) has so far not been committed at any time for sale to any person and the generating station or generating unit or captive generating plant from where the power is proposed to be sold is being commissioned for the first time effectively from ----- and further there exists no agreement or arrangement for sale above----- MW of capacity to any other person. The above----- MW capacity is freely available without any prior commitment in favor of any other person.

(APPLICABLE FOR NEW COMMISSIONED STATION)

OR

b. I say that ----- MW capacity (from Unit No.-----) proposed to be sold to M/S----- is available for the duration of time mentioned in the Open Access Application without there being any agreement or arrangement or commitment for sale of this power to any other person.

(APPLICABLE FOR EXISTING STATIONS SELLING POWER FOR FIRST TIME)

OR

c. I say that ----- MW capacity was being sold in the past to M/S ----- under a Power Sale Agreement or arrangement and the Power Sale Agreement or arrangement stands terminated effectively on ----- and there exists no other commitment or agreement or arrangement for sale of ----- MW of power of the applicant to the above person or to any other person after ----- and the applicant is free to sell power to any other person.

(APPLICABLE FOR MUTUALLY TERMINATED CONTRACTS)

OR

d. I say there existed an agreement for sale of the above ---- MW of power by the applicant to M/s ----- -- but the agreement/arrangement/commitment stands terminated validly effectively from ----- by order dated ----- passed by the Central/State Electricity Regulatory Commission or by a Competent Court or pending disposal of dispute between the parties, the Central/State Electricity Regulatory Commission or the Competent Court has allowed the applicant to sell power to third party, notwithstanding the commitment or agreement or Arrangement.

(APPLICABLE IN CASES OF JUDICIAL INTERVENTION)

OR

e. I say that there exists a Power Sale Agreement which provides for sale of power to a third party, in case power is not scheduled to the purchaser . I undertake that sale of un-requisitioned power in bilateral transactions/collective transactions (day ahead contracts on Power Exchange(s)) and/or for intraday/Contingency transactions (in OTC market and /or Power Exchange Market) shall be as per the provisions of the PPA.

I say that consent from the long term/ Medium Term procurer/Procurers (as applicable) has been taken in line with 6.5.4(b) & 6.5.4(c) of IEGC 5th amendment for sale of the already tied up power in STOA bilateral/Collective market.

(APPLICABLE IN CASE OF PURCHASER ALLOWING SALE OF POWER TO A THIRD PARTY)

3. The applicant indemnifies the SLDC/RLDC/NLDC against any consequence or liability, including the cost of litigation, which may arise on account of dispute involving open access being sought under this application.

4. I say that aggregate quantum in each time block of 15 minutes for all the bid(s) in collective transactions (day ahead/Real time market contracts on Power Exchange(s) and/or request for scheduling in intra-day/contingency transactions (in OTC market and/or Power Exchange Market shall not exceed the quantum for which "Standing Clearance" has been granted.

5. I say that the above affidavit is being given on the clear understanding that the same is for obtaining "Standing Clearance" for collective transactions for day ahead/Real time market and for intra-day/contingency bilateral transactions under Regulation 8 of the Open Access Regulations, 2008 as amended from time to time and the facts mentioned above are true to enable the Authorities to act on the same and decide on the open access.

The statements made in the affidavit herein are based on the Company's official record maintained in the ordinary course of business and I believe them to be true and correct.

Deponent

Verification

Solemnly affirmed at ----- on ----- that the contents of the above affidavit are true to my knowledge and belief and no part of it is false and nothing material has been concerned there from.

Deponent

Place:- -----

Date:- -----

FORMAT: PX-VI A

DECLARATION / UNDERTAKING

I, _____ (Name of the Person) _____ hereby declare that the unit no (s)..... of
Name of Generating Station _____ is/are under forced outage w.e.f.Time and Date.....

The details of forced outage are as follows:

1. Name of Generating Station:
2. Unit No (s) and capacity in MW:
3. Date & Time of Tripping:
4. Reason for forced outage: (e.g.: Tripping of dedicated transmission line, Unit Tripping, BTL, etc.)
5. Expected Date & Time of Revival:

I shall be purchasing power up to _____ Quantum in MW _____ through Real Time Market for
Time Block and date _____.

The above details are true and correct to the best of my knowledge and beliefs. In case any information given above proves to be false or incorrect, I shall be responsible for the consequences.

Place :
Date :

Signature
Name
Designation
(Authorised Signatory)

Phone No: