



ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)



[formerly Power System Operation Corporation Limited (POSOCO)]

राष्ट्रीय भार प्रेषण केन्द्र / National Load Despatch Centre

कार्यालय : बी-9, प्रथम एवं द्वितीय तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
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संदर्भ: NLDC/MO/IEGC/

दिनांक: 23rd Oct 2023

सेवा में,

All the Stakeholders

विषय: Draft Procedure for payment for Black start support

संदर्भ: Central Electricity Regulatory Commission, Indian Electricity Grid Code, Regulations, 2023

महोदय/महोदया,

In compliance to the regulations 34(9) of the Central Electricity Regulatory Commission (Indian Electricity Grid Code), Regulations 2023 published on 29th May 2023, NLDC in consultation with RLDCs has prepared a **"Draft Procedure for payment for Black start support"**.

The draft procedure has been published on Grid-India website on **23rd Oct'2023** and is available at: <https://posoco.in/nldc-procedures/>

To familiarise the stakeholders about this procedure, an online workshop shall be organised and information in this regard shall be made available on the Grid-India website.

Stakeholder suggestions/feedback on this draft procedure are invited and these may email at monldc@grid-india.in latest by **06th Nov'2023**.

सधन्यवाद,

भवदीय,

(एस. सी. सक्सेना)

कार्यपालक-निदेशक-रा.भा.प्रे.के.

Copy for kind information:

1. CMD, Grid-India
2. Director – Market Operation/System Operation, GRID-INDIA
3. All RLDC Heads

Grid Controller of India Limited
(Formerly: Power System Operation Corporation Limited)
National Load Despatch Centre (NLDC)



Draft Procedure for payment for
Black start support

Prepared in Compliance to IEGC Operating Code:

Regulation No. 34(9)

Revision-0: September 2023 (w.e.f 01st October, 2023)

1. Preamble

- 1.1. This Procedure is issued in accordance with Indian Electricity Grid Code, 2023, Chapter 6 Operating Code: Regulation No. 34 (9).
- 1.2. All the words and expressions used in the Procedure shall have the same meaning as assigned to them in Grid code and various CERC Regulations.
- 1.3. Normal state, Alert state, Emergency state, Extreme Emergency state and Restorative State shall have the same meaning as assigned to them in Grid code.
- 1.4. During restoration process any interstate entity extending black start support by way of injection of power as per direction of RLDC/NLDC, the liability of fixed cost, shall remain with their respective beneficiaries.
- 1.5. The heat rate compensation shall be calculated as per the tariff regulation/PPA excluding the energy despatched for providing black start support.
- 1.6. In case of any grid disturbance, RLDCs shall inform to all stake holders in line with 37.2 for Grid Code.
- 1.7. The payment for Black start support shall be paid from respective regional Deviation and Ancillary Service Pool Account.
- 1.8. This procedure would be applicable from 01st October'2023 or any other date as specified by the CERC.

2. Objective

- 2.1. Procedure for payment for interstate entity extending black start support by way of injection of power.

3. Scope

- 3.1. This procedure shall be applicable for all category of Grid disturbance classified in regulation 37.2 (f) table 8 of grid code as per CEA grid standards.
- 3.2. This procedure shall be applicable for payment to any interstate entity extending black start support by way of injection of power as identified as per clause 34 (6) of Grid Code 2023.
- 3.3. The details of Interstate, entities as identified in compliance to clause 34 (6) of Grid Code shall be maintained by respective RLDCs/NLDC.
- 3.4. Any interstate entities other than identified as per clause 34 (6) of Grid Code 2023 who has extended black start support by way of injection during grid disturbance shall also be eligible.
- 3.5. Respective SLDCs may also frame similar procedure for intrastate entities within jurisdiction of their respective control area.

4. Payment for Black start support:

- 4.1. In case of any Grid Disturbance, respective RLDCs may advise the identified entities for extending black start support for system restoration.
- 4.2. Any interstate entity extending black start support by way of injection of power in the grid shall be paid for black start support from the time of injection of power to the grid after black start till Power system recovers from Restorative State to Emergency state or any another time certified by the concerned RLDC.
- 4.3. In line with regulation 34 (9) of Grid code such interstate entity shall be paid for actual ex-bus injection @ 110 % of the normal rate of charges for deviation in accordance with DSM Regulations for the last block in which the grid was available.
- 4.4. The payment for black start support shall be made to the interstate entity extending black start support by way of injection of power after the grid disturbance declared by the concerned RLDCs.
- 4.5. The payment shall be made from the respective Regional Deviation and Ancillary pool account by the concerned RLDCs.
- 4.6. The concerned RLDCs shall certify the start time block of black start and the end time block for which the injection from the black start support provider shall be considered for settlement under black start support.
- 4.7. During such certified time block the power station shall be paid for only the actual injection @ 110 % of the normal rate of charges for deviation in accordance with DSM Regulations for the last block in which the grid was available. No heat rate compensation and start-up cost shall be paid to the entity extending black start support. There shall be no corresponding schedule to their respective beneficiaries against actual generation during such certified time block. Accordingly, there shall be no liability of payment of variable charges to the beneficiaries during such certified time block. However, the liability of fixed charges or any other charge as per PPA shall remain with the beneficiaries.
- 4.8. The concerned RLDC shall submit the consolidate details of all entities who provided black start support to their respective RPCs along with the time block to be considered for deriving normal rate of charges for deviation as per format_AA.
- 4.9. RPCs shall publish the statement for payment to entity extending black start support in format_BB along with the upcoming week deviation statement.
- 4.10. The concerned RLDCs shall pay to eligible entities as per RPCs published statement from their respective Regional Deviation and Ancillary Service Pool Account.
- 4.11. The RLDCs shall reconcile such payment with all the concerned entities within 2 months of end of financial quarter.

..... Regional Load Despatch centre

Ref no:

Date

Format_AA

Date	Time block	Entity_1 (Name of the entity that provided black start support)	Actual generation	the time block to be considered for deriving normal rate of charges for deviation	Entity_2 (Name of the entity that provided black start support)	Actual generation	The time block to be considered for deriving normal rate of charges for deviation	Entity_n (Name of the entity that provided black start support)	Actual generation	The time block to be considered for deriving normal rate of charges for deviation
01-mm-yy	1									
01-mm-yy	2									
01-mm-yy	3									
01-mm-yy	4									
....	..									
....										
....										
....										
....										
....										
Total										

Signature

Name & Designation

..... Regional Load Despatch centre

Ref no:

Date

Format_BB						
Sl	Date	Plant Name	Actual generation	the time block considered for deriving normal rate of charges for deviation	normal rate of charges	Total Paymnet = 110% of Actual energy
1	dd-mm-yyyy	DDD				
2		EEE				
3		FFF				
..						
....						
....						
....						
....						
....						
....						
....						
Total						

Signature
Name & Designation