18. खंड सं. 34.3 का संशोधन

34.3 डीजीसी के प्रावधानों तथा/अथवा ऐसे प्रावधानों के अधीन विकसित प्रक्रियाओं का लगातार अनुपालन नहीं किए जाने की स्थिति में, ऐसे मामले की रिपोर्ट आयोग को दी जाएगी। एसटीयू अनुपालन नहीं किए जाने के ऐसे सभी मामले प्रत्येक तिमाही की 15 तारीख तक (जून, सितम्बर, दिसम्बर एवं मार्च) प्रकाशित करेगा और उसे आयोग के समक्ष भी प्रस्तुत करेगा।

इन नियमों के हिंदी और अंग्रेजी संस्करण के बीच में निहित प्रावधानों से संबंधित किसी भी विसंगतियों के मामले में अंग्रेजी पाठ अभिभावी होगा ।

यह विनियमन 20/1/2012 से प्रभाव में आ जाएंगे ।

जयश्री रघुरमन, सचिव

DELHI ELECTRICITY REGULATORY COMMISSION

NOTIFICATION

Delhi, the 20th January, 2012

Subject : First Amendment to Delhi Electricity Regulatory Commission (State Grid Code) Regulations, 2008.

No. 17(14)/DERC/2010-11/2720.—In exercise of powers conferred by Sub-section (zp) of Section 181(2) read with Sub-section (h) of Section 86(1) of the Electricity Act, 2003 (36 of 2003) Delhi Electricity Regulatory Commission hereby makes the following Regulations to amend the Delhi Electricity Regulatory Commission (State Grid Code) Regulations, 2008. As per clause no. 6.3, the review of Delhi Grid Code, the following clauses have been amended and shall be read with the existing Delhi Electricity Regulatory Commission (State Grid Code) Regulations 2008 as under;

1. Short title and commencement

(i) These Regulations may be called the Delhi Electricity Regulatory Commission (State Grid Code) (First Amendment) Regulations, 2008.

(ii) They shall come into force with effect from the date of their publication in the Official Gazette.

2. Amendment of Clause no. 8.1

The STU shall publish on its Internet website the transmission and sub transmission system plan for the STS and shall also make the same available to any person upon request at a reasonable cost.

The STU & Distribution Licensees shall also publish their Transmission & Sub transmission network and Single Line Diagram (SLD) of each grid station on internet website.

It shall specifically mention planning of load flow in circuits between two DISCOMs. This shall also be included in the report from STU to the Commission (performance report - refer para 3 of 8.2) and the yearly data shall be updated by STU in its website.

Any changes in the network shall be updated on the websites of STU and DISCOMs at the end of the month.

3. Amendment of Clause no. 8.4 (i)

8.4(i) The Transmission & Sub transmission system plan shall describe the plan for the STS in next MYT period FY 2012-13 to 2014-15 and shall include the proposed State transmission & Sub transmission schemes and system strengthening schemes for the benefit of all Users:

Provided that the transmission & sub transmission system plan may include information related not only to State transmission & sub transmission lines but also additional equipment including transformers, capacitors, reactors, Static VAR Compensators and Flexible Alternating Current Transmission Systems (FACT):

Provided further that the transmission and sub transmission system plan shall also include information on original targets at project appraisal stage after the Commission's approval, progress achieved on the identified State transmission schemes, sub transmission schemes and system strengthening schemes. Project Status with delay, if any, on each major work shall be reviewed every six months.

4. Amendment of Clause no. 8.4

8.4(ii) Planning Steering Committee

A Planning Steering Committee consist of members from DTL, DISCOMs, NDMC, MES, IPGCL/PPCL, not below the rank of DGM or equivalent, shall be constituted under STU. The role and responsibility of the Planning Steering Committee shall be as under:-

1) To develop an integrated and consolidated implementation plan and monitoring thereof.
2) The steering committee shall issue guidelines for submission of proposals by Distribution Licensees which shall include
   a) Year wise Load estimates for five years
   b) Load Flow study of existing and proposed system for five years time horizon on yearly basis.
   c) The proposals shall include power exchanges between Distribution Licensees.
   d) Distribution Licensees shall submit sub transmission scheme / Reports to the Commission based on proposals approved by the Steering Committee. The recommendation/ approval of Steering Committee shall be binding and Distribution Licensees shall make any change in the Sub-Transmission Schemes only after the prior approval of the Steering Committee.
3) The criteria for planning shall be as per Planning Code (to be formulated by STU within three months).

5. Amendment of Clause no. 8.5

The STU may, for the purpose of preparing the transmission system plan under these Regulations, seek such information as may be required by it, including generation capacity addition, system augmentation and long-term load forecast and all applications for open access: Provided that the Distribution Licensees shall have the primary responsibility for developing long term load forecasts for their respective license areas. The Distribution

Licensee may use consistent data and methods in its load forecasting exercise, and be guided by applicable provisions and submissions of sales/demand forecast under the MYT Regulations and License Conditions issued by the Commission, with appropriate reasoning/explanation for deviation, if any. Provided also that the STU shall consider information provided under this Regulation in preparing the transmission system plan for developing integrated and consolidated implementation plan. STU shall define guideline for Assets used by one distribution utility of other to transfer power to it till all the Distribution Licensees develop the system to avoid usage of assets of other Distribution Licensees. All Distribution Licensees shall submit the scheme to avoid usage of other's assets to transfer power within six months.

6. **Amendment of Clause no. 16.3.2**

16.3.2 Relay setting coordination is being done at regional level by the NRPC, whereas provision of protections and relay settings shall be coordinated periodically throughout the State grid, as per a plan to be separately finalized by the STU. It shall also be ensured that if Primary protection like distance protection cannot be used effectively, transmission and distribution utilities shall coordinate to install differential protection on cost sharing basis.

7. **Amendment of Clause no. 17.2**

17.2 All Users and Transmission Licensees shall provide the required facilities at their respective ends as laid down in the Connection Agreement:

Provided that the equipments/devices for communication and data exchange shall be provided considering the guidelines of the SLDC, the interface requirements and other such guidelines/specifications, as applicable. Generating Stations, Distribution Licensees, Consumers of Distribution Licensees directly connected to State Transmission System (STS) shall be connected to SLDC on real time basis through SCADA System for effective monitoring of the network.

8. **Amendment of Clause no. 22.11**

22.11 Each Generating Unit (except Badarpur Thermal Power Station Units and Gas Turbine Units till the Commission reviews the situation) shall be capable of instantaneously increasing output by 5%, when the frequency falls, subject to limit of 105% of Maximum Continuous Rating. Ramping back to the previous generation level, in case the increased output level cannot be sustained, shall not be faster than 1% per minute:

Provided that any generating unit of over Fifty (50) MW size not complying with the above requirements, shall be kept in operation (synchronized with the State Grid) only after obtaining the permission of the SLDC:

Provided also that User can make up the corresponding shortfall in spinning reserve by maintaining an extra spinning reserve on the other generating units of the Use

9. Amendment of Clause no. 22.17

22.17 (a) SLDC in coordination with NRLDC, Users, Transmission Licensees, Open Access Customers, shall initiate action to restrict the drawal from the Grid within the net drawal schedule when the system frequency falls to 49.7Hz.

(b) The Distribution Licensees and Open Access Customers shall ensure that requisite load shedding is carried out in its control area so that there is no over drawl when frequency is 49.5Hz. or below.

(c) Each Distribution Licensee and Open Access Customers shall formulate contingency procedures and make arrangements that will enable demand disconnection to take place, as instructed by the SLDC, within two months of notification of amended Delhi Grid Code, under normal and / or contingent conditions. These contingency procedures and arrangements shall regularly be updated by Distribution Licensees / Open Access Customers and monitored by SLDC. SLDC may direct any Distribution Licensees / Open Access Customers to modify the above procedures / arrangement, if required, in the interest of grid security and the concerned Distribution Licensees / Open Access Customers shall abide by these directions.

(d) The Distribution Licensees / Open Access Customers shall also formulate schemes for automatic demand management like rotational load shedding, demand response – [reduction in electricity usage by end customers from their normal consumption pattern, manually or automatically, in response to high UI charges being incurred by the Distribution Licensee / Open Access Customers due to overdrawal by them at low frequency, or in response to congestion charges being incurred by them for creating transmission congestion, or for alleviating a system contingency, for which such consumers could be given a financial incentive or lower tariff.] etc to reduce over-drawl in order to comply para 22.17.(a) & (b). A Report detailing the scheme and periodic reports on progress of implementation of the schemes shall be sent to the CERC and DERC by SLDC.

(e) *In order to maintain the frequency within the stipulated band and maintaining the network security, the interruptible loads shall be arranged in four groups of loads, for scheduled power cuts/load shedding, loads for unscheduled load shedding, loads to be shed through under frequency relays / df/dt relays and loads to be shed under any System Protection Scheme identified at the RPC level. These loads shall be grouped in such a manner that there is no overlapping between different Groups of loads. In case of certain contingencies and/or threat to system security, the SLDC may direct any Distribution Licensee or Open Access Customer to decrease drawal of its control area by a certain quantum. Such directions shall immediately be acted upon. Distribution Licensees / Open Access Customers shall send compliance report immediately after compliance of these directions to SLDC so that the same can be passed on to NRLDC.*

(f) SLDC shall devise standard, instantaneous, message formats in order to give directions in case of contingencies and /or threat to the system security to reduce over-drawal by the Distribution Licensees / Open Access Customers at different over-

drawal conditions depending upon the severity of the over-drawal. The concerned utility shall ensure immediate compliance with these directions of SLDC and send a compliance report to SLDC.

(g) All Generating Stations, Distribution Licensees or Open Access Customers shall comply with direction of SLDC and carry out requisite load shedding or backing down of generation in case of congestion in transmission system to ensure safety and reliability of the system. The procedure for application of measures to relieve congestion in real time as well as provisions of withdrawal of congestion shall be in accordance with Central Electricity Regulatory Commission (Measures to relieve congestion in real time operation) Regulations .

(h) The measures taken by the Distribution Licensees / Open Access Customers shall not be withdrawn as long as the frequency remains at a level lower than the limits specified or congestion continues, unless specifically permitted by the SLDC. Automatic Load Shedding is excluded in MES due to strategic importance of the load being catered by the Utility.

10. Amendment of Clause no. 22.18

22.18 Users and Transmission Licensees shall provide automatic under-frequency and df/dt Relay / SCADA based load shedding / islanding schemes in their respective systems, wherever applicable, to arrest frequency decline that could result in a collapse/disintegration of the State grid, as per the plan separately finalized in consultation with the NRPC and shall ensure its effective application to prevent cascade tripping of generating units in case of any contingency.

11. Amendment of Clause no. 22.23 (i)

All users and Transmission Licensee shall send information/data including Disturbance Recorder/Sequential Evnt Recorder output etc. to the SLDC for purpose of analysis of any grid disturbance/Event. No User or Transmission Licensee shall block any data/information required by the SLDC for maintaining reliability and security of the State or Regional Grid and for analysis of an event.

12. Amendment of Clause no. 22.23 (ii)

22.23(ii) Users & Transmission licensees shall share analysis reports of all major trippings occurred at Transmission and sub-transmission level within three working days of occurrence of the event.

13. Amendment of Clause no. 22.24

22.24 The SLDC, Users and Transmission Licensees shall make all possible efforts to ensure that the grid voltage always remains within the following operating range:

Voltage- (kV rms)

Nominal	Maximum	Minimum
400kV	420	380
220kv	245	198

217 GI/12-4

66kV	72	60
33kV	36	30
11kV	11.4	10.6

14. Amendment of Clause no. 26.2.2

26.2.2 Users shall, immediately following an Event on its system, inform the SLDC, in case the State Grid may or will, experience an operational effect following the Event, and give details of what happened in the Event but need not give the reasons for the same. The operations between the users (especially between Distribution Licensees' system) shall not be carried out without notice and advise of SLDC. SLDC shall develop operational strategy in this regard till the designated date of segregation of feeders by Distribution Licensee or the actual segregation whichever the earlier.

26.3 Operations and Events on Users between two Distribution Licensees.

26.3.1 Before any Operation is carried out on system between two Users, the concerned User shall inform the SLDC, in case the State Grid may or will, experience an operational effect, and shall give details of the operation to be carried out.

15. Amendment of Clause no. 27.1

27.1 (i) All Users and Transmission Licensees shall provide the SLDC with their proposed outage programmes in writing for the next financial year by 30th November of each year. These shall contain identification of each Generating Unit/Transmission Line/Interconnecting Transformer for which outage is being planned, reasons for outage, the preferred date for each outage and its duration and where there is flexibility, the earliest start date and latest finishing date.

27.1(ii) All Users and Transmission Licensees shall provide the SLDC their proposed outage programmes in writing for the succeeding month by 25th of every month. These shall contain identification of each Generating Unit/Transmission Line/Interconnecting Transformer for which outage is being planned, reasons for outage, the preferred date for each outage and its duration and where there is flexibility, the earliest start date and latest finishing date.

(iii) All Users and Transmission Licensees shall post the outage plan in the internet website of the respective Licensees by the designated date.

(iv) The users shall plan outages in such a manner that it does not clash with the STU outage plan. In case of a clash, the issue shall to be resolved in Operational Coordination Committee.

16. Amendment of Clause no. 31.1

31.1 The SLDC shall develop, document and maintain detailed procedure in consultation with the in-State Generating Stations and the Distribution Licensees incorporating processes and operating instructions for Scheduling and Dispatch under the Intra- State ABT regime keeping in view the relevant orders of the Commission.

The procedure shall but not be limited to the following :-

1. Scheduling Procedure for Intra State ABT
2. Scheduling Procedure for Consumer Open Access
3. Scheduling Procedure for Inter DISCOMs Transfer(Long term) and Ex Bilateral Inter DISCOMs Transfer (Short Term)
4. Scheduling Procedure for Generating Power Stations of Solar, Wind, Bio Gas etc shall be as per CERC stipulations mentioned in Indian Electricity Grid Code.

17. Amendment of Clause no. 33.4

33.7 STU shall prepare Metering Procedure including the following:

(a) Location and installation of meters

(b) Specifications and accuracy limits for the meters;

(c) Rights, responsibilities and procedures related to recording, collection, transfer, processing and storage of data collected from meters;

(d) Ownership of metering data;

(e) Calibration to be carried out by each concerned agency to ensure conformance to the above accuracy limits;

(f) Maintenance of the meters in proper functioning state, safety of meters, testing of the new or replacement meters, sealing of meters and inspection of meters;

(g) Right of access to the meters;

(h) To address metering discrepancies, defective equipment's and meter failures;

(i) For resolution of disputes on matters related to metering; and

(j) Procedure for Periodic testing of CT, PT & Energy Meters installed at exchange points - Once every year

(k) any other aspect considered appropriate, for inclusion in the Metering Procedure, by the STU or the Commission.

18. Amendment of Clause no. 34.3

34.3 In case of persistent non-compliance with the provisions of DGC and/ or with the procedures developed under such provisions, such matter shall be reported to the Commission. STU shall publish all non-compliance through quarterly reports by 15th of every quarter (June, September, December & March) and also submit the same to the Commission.

In case of any discrepancies pertaining to provisions contained in between the Hindi and English version of these regulations, the English text shall prevail.

These regulations shall come into force with effect from 20/1/2012.

JAYSHREE RAGHURAMAN, Secy.

Printed by the Manager, Government of India Press, Ring Road, Mayapuri, New Delhi-110064
and Published by the Controller of Publications, Delhi-110054.