

BEFORE THE HIMACHAL PRADESH ELECTRICITY REGULATORY COMMISSION

Vidyut Aayog Bhawan, Block No. 37, SDA Complex, Kasumpti, Shimla-09

**CORAM: Sh. Yashwant Singh Chogal, Member (Law)-Cum- Chairman
Sh. Shashi Kant Joshi, Member**

Date of order: 16.06.2026

In the matter of finalization of the draft Himachal Pradesh Electricity Regulatory Commission (Himachal Pradesh Electricity Grid Code) Regulations, 2025.

ORDER

The Himachal Pradesh Electricity Regulatory Commission (hereinafter referred to as the 'Commission') had framed and notified the Himachal Pradesh Electricity Grid Code, 2008 vide Notification No. HPERC-Grid Code (388) dated 5th August, 2008 (hereinafter referred to as the 'State Grid Code') and published in Rajpatra, Himachal Pradesh on 11th August, 2008. The Central Electricity Regulatory Commission has also framed and notified the Indian Electricity Grid Code Regulations, 2023 (hereinafter referred to as the 'Indian Electricity Grid Code') by repealing the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010. Now, in order to align the State Grid Code with the Indian Electricity Grid Code, it has been proposed to repeal the Himachal Pradesh Electricity Regulatory Commission Grid Code, 2008 and to frame the Himachal Pradesh Electricity Regulatory Commission (Himachal Pradesh Electricity Grid Code) Regulations, 2026 (hereinafter referred to as the 'State Electricity Grid Code'), in exercise of the powers conferred under sub-section(1)(h) of section 86 read with sub-section(2)(zp) of section 181 of the Electricity Act, 2003 (hereinafter referred to as the 'Act').

2. The draft Regulations i.e. Himachal Pradesh Electricity Regulatory Commission (Himachal Pradesh Electricity Grid Code) Regulations, 2025 were made available on the Commission's website: www.hperc.org. The last date for filing objections/suggestions was 02.02.2026. As required under sub-section (3) of section 181 of the Act, the Commission also invited public objections and suggestions by way of insertion of public notice in two daily News papers i.e. 'The Tribune' and 'Dainik Bhaskar' on 04.01.2026 under rule (3) of the Electricity (Procedure of Previous Publication) Rules, 2005.
3. The Commission, vide letter dated 06.01.2026 also requested the major stakeholders including Small Hydro Project Developer Associations, State Government, Industries Association, Directorate of Energy, HIMURJA, STU, HPSLDC and Distribution Licensee to send their objections/suggestions, if any, as per the aforesaid public notice.

4. The Commission received the comments/suggestions on the draft State Grid Code from the following stakeholders:-
- (i) The Consumers Representative, Shanti Bhawan, Phase-III, Sector-6, New Shimla-171009
 - (ii) The Himachal Pradesh State Electricity Board Limited (HPSEBL), Vidyut Bhawan, Shimla-171004 (HP).
 - (iii) The Himachal Pradesh State Load Despatch Centre, SLDC Complex, Totu, Shimla-1710011 (HP).
 - (iv) The Himachal Pradesh Power Transmission Corporation Ltd, Himfed Bhawan, Panjari, Tutikandi, Shimla-171005 (HP).
 - (v) The Directorate of Energy, MC Parking Building, 2nd Floor, Tutikhandi Crossing, Shimla-171005 (HP).
5. A public hearing in the matter was Scheduled on 16.02.2026 from 12.00 PM onwards in the Commission. The Public Notice in this regard was published in the daily Newspapers viz. "Times of India" and "Amar Ujala" on 07th February, 2026. The Commission also, vide letter dated 10th February, 2026 informed the major stakeholders to furnish their comments and attend the public hearing on the scheduled date and time.
6. As scheduled, the public hearing was held on 16.02.2026. The list of participants who attended the public hearing is annexed as **Annexure-"A"**.
7. **Objections and issues raised during the public hearing.-**
- During the public hearing, the stakeholders and their representatives presented their views. The issues and concerns voiced by them are briefly given as under:-
- 7.1 The representative of HPSEBL, Shri. Mandeep Singh, Chief Engineer (SO), has reiterated that the written submissions already submitted by the HPSEBL may be considered. Further, in addition to above, he stated that there may be provision of Bank Guarantee at the time of grant of connectivity.
- 7.2 The representative of HPPTCL (STU), Shri Mohit Sharma has made submission during the hearing that they may be allowed some more time to file their objections/suggestions on the draft State Electricity Grid Code. The Commission considered their plea and granted three days time.
- 7.3 The representative of Directorate of Energy (DoE), Shri. Amit Gupta during the public hearing, requested to consider their written submissions already submitted on the draft State Electricity Grid Code.
- 7.4 The representative of HPSLDC, Shri. Rohit Kumar has reiterated that the written submissions already submitted by the HPSLDC on the draft State Electricity Grid Code may be considered. The HPSLDC, during the hearing also submitted

additional written submissions and requested the Commission to consider the same.

7.5 The Consumer Representative Shri. K.S. Dhaulta stated during the public hearing that due to changes in the provisions of existing State Electricity Grid Code, there should not be any additional burden on the consumers of the State.

8. Consideration of written submissions and viewpoints expressed in the public hearing by the stakeholder(s) and Commission's analysis/views.-

After having gone through all the written submissions and the viewpoints expressed by the stakeholders in the public hearing, we now proceed to analyze the various suggestions which are considered to be relevant to the finalization of the draft State Electricity Grid Code. The Commission considers it appropriate to first address the general suggestions and issues submitted or raised by the stakeholders, before taking up the Regulation-wise issues on merit.

8.1 General suggestions and issues:-

(a) The Directorate of Energy (DoE) has submitted the following general comments/suggestions on the draft State Electricity Grid Code:-

(i) The Government of Himachal Pradesh vide Notification No. MPP-F(10)-13/2024 dated 09.05.2025 has established the Himachal Pradesh Energy Management Centre (HPEMC) in the Directorate of Energy, GoHP under the MPP & Power Department, GoHP as a 'Single Entity' for power management and trading of power in the State of Himachal Pradesh.

The DoE in general has suggested that the words 'Himachal Pradesh Energy Management Centre' or 'HPEMC' should be incorporated in the draft State Electricity Grid Code, wherever, HPEMC performing the role and responsibilities for power management and trading of power on behalf of HPSEBL, HPPCL and DoE in terms of the GoHP Notification referred above.

(ii) The Director (Energy), Government of Himachal Pradesh vide letter dated 28.10.2025 had also intimated the Commission regarding Operationalization of the Himachal Pradesh Energy Management Centre (HPEMC) in the Directorate of Energy as per the GoHP Notification dated 09.05.2025.

(iii) General Suggestions/Comments on draft State Electricity Grid Code:-

(a) Recognition of HPEMC in Grid Architecture:

The Directorate of Energy (DoE) has submitted that draft State Electricity Grid Code recognizes SLDC, ALDCs, REMCs, etc., however, the role of HPEMC, which has been established for centralized power procurement optimization, RE integration, and scheduling support, is not explicitly defined and suggested that a clear definition and role of HPEMC may be incorporated in Regulation 3 (Chapter-1) and in the System Operation/ Scheduling framework of State Electricity Grid Code to recognize HPEMC as a supporting technical and analytical entity for Power procurement optimization, renewable

energy scheduling co-ordination and data analytics, forecasting, and decision support to SLDC and Discom.

(b) Coordination between SLDC and HPEMC:

The DoE has also submitted that the SLDC's independence and operational role clearly defines coordination mechanisms with sectoral support institutions like HPEMC are not elaborated and suggested that the provision may be added to mandate institutional coordination between SLDC and HPEMC particularly for day-ahead and real-time power market optimization, renewable energy forecasting and deviation minimization and advisory support during high RE penetration and congestion scenarios.

(c) Renewable Energy Forecasting and Scheduling:

The DoE has also submitted that the draft State Electricity Grid Code aligns with DSM Regulations, 2024 and recognizes Qualified Co-ordinating Agency (QCA) mechanisms; however, State-level institutional support for RE forecasting is not emphasized and suggested that the HPEMC may be designated to act as a State-level nodal support entity for RE forecasting coordination with QCAs, assist Discom and SLDC in aggregation, analysis, and validation of RE forecasts and support reduction of DSM exposure at the State periphery.

(d) Energy Storage Systems (ESS) and Market Integration:

The DoE has also submitted that the ESS has been defined, but its operational integration with scheduling, dispatch, and market participation at the State level needs clarity and suggested that specific provisions may be added recognizing the role of HPEMC in operational strategy development for ESS including energy arbitrage planning, peak shaving and load shifting and support to SLDC in real-time dispatch decisions involving storage assets.

(e) Power Market Operations and Optimization:

The DoE has also submitted that the draft State Electricity Grid Code refers to collective and bilateral transactions but does not outline a structured institutional role for State-level market optimization and suggested that the HPEMC may be recognized as a technical support agency for analysis of DAM, RTM, and ancillary services market opportunities, advising Discom on least-cost power procurement strategies and supporting State objectives of cost optimization and grid reliability.

(f) Data Management, Analytics, and Digitalization:

The DoE has also submitted that the SCADA, DAS, DR, and communication systems are adequately covered, but advanced analytics and centralized data utilization are not explicitly addressed and suggested that the provision may be added for centralized data analytics and decision-support functions, utilization of HPEMC for advanced analytics, forecasting models, and scenario analysis and supporting SLDC and OCC with data-driven insights.

(g) Role in Committees (OCC / Planning Processes):

The DoE has submitted that the OCC and planning processes involve STU, SLDC, DISCOM and Users; However sectoral support institutions are not explicitly included and suggested that the HPEMC may be included as a special invitee or member in OCC meetings where power procurement, RE integration, DSM exposure, or market participation issues are discussed and a supporting entity in Resource Adequacy and Integrated Resource Planning exercises, especially for market-based procurement assessment.

(h) Alignment with State Energy Transition Objectives:

The DoE has submitted that the draft State Electricity Grid Code supports reliability and security but can further strengthen alignment with Himachal Pradesh clean energy and energy transition goals and suggested that the explicit reference may be added recognizing institutions like HPEMC for supporting energy transition planning, enhancing RE integration without compromising grid security and cost-effective management of surplus/ deficit power situations.

(i) Avoidance of Role Overlap:

The DoE has also submitted that the HPEMC does not seek operational control, which shall remain with SLDC as per the Act and suggested that the draft State Electricity Grid Code may clearly state that the HPEMC's role is advisory, analytical, and facilitative and all real-time operational decisions shall vest solely with SLDC.

(j) Transitional Provisions:

The DoE has also submitted that the a transitional provision may be added allowing phased integration of HPEMC functions into Grid operations and issuance of detailed SOPs/ guidelines by STU/SLDC in consultation with HPERC.

Commission's View:-

As far as operationalization of the Himachal Pradesh Energy Management Centre (HPEMC) as a 'Single Entity' for power management and trading of power in the State of Himachal Pradesh in pursuant to the State Government Notification No. MPP-F(10)-13/2024 dated 09.05.2025 is concerned, the Constitution, Powers and Functions of the Himachal Pradesh Energy Management Centre (HPEMC for short) as a 'Single Entity' is pending adjudication before the Hon'ble High Court of Himachal Pradesh in CWP No. 13458 of 2025. Moreover, the State Electricity Grid Code is being framed under the provisions of the Electricity Act, 2003 (a Central Act), thus, these suggestions made by the DoE can't be incorporated in the State Electricity Grid Code. Therefore, the Commission considers it appropriate to make no observations when the matter is pending before the Hon'ble Court.

8.2 Comments/suggestions on Regulation 3 i.e. Definitions.-

(a) Sub-regulation (6) of Regulation 3:-

The Directorate of Energy (DoE) has suggested to modify the definition of 'Area load Despatch Centre' or 'ALDC' as under:-

“Area load Despatch Centre’ or ‘ALDC’ means a Load Despatch Centre established by the distribution licensee (Discom) now operating as HP Energy Management Centre in the State to carry out the relevant operating directives issued by the SLDC to the HP Energy Management Centre and to assist SLDC for safe and integrated operation of the concerned network.”

Commission’s View:-

The Commission is of the view that the Area Load Despatch Centre’ or ‘ALDC’ is part and parcel (internal wing) of the distribution licensee. The distribution licensee is responsible for compliance to the provisions of the State Electricity Grid Code. Hence, the Commission decides to drop the definition of ‘ALDC’ from the draft State Electricity Grid Code and references made in the Chapters of the draft State Electricity Grid Code shall be substituted with the term ‘distribution licensee’.

(b) Sub-regulation (89) of Regulation 3:-

The HPSLDC has suggested that the reference of sub-regulation (1) of Regulation 2 of the DSM Regulations, 2024 may also be incorporated in the definition of ‘Qualified Coordinating Agency’ or ‘QCA’.

Commission’s View:-

The Commission accepts the suggestions made by the HPSLDC and the definition of ‘QCA’ is modified as under:-

“Qualified Coordinating Agency’ or ‘QCA’ shall have the same meaning as defined in clause (v) of sub-regulation (1) of Regulation 2 of the HPERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024;”

(c) Sub-regulation (103) of Regulation 3 i.e. Definitions: -

The HPSLDC has suggested to include State Sector Generating Station (SSGS) and State Government reference in the definition of ‘Share’.

Commission’s View:-

The Commission accepts the suggestions made by the HPSLDC and the definition of ‘Share’ is modified as under:-

“Share’ means percentage or MW entitlement of a beneficiary in an ISGS/SSGS either notified by the appropriate Government or agreed between the generating company and beneficiary through contracts and implemented through GNA or TGNA, as the case may be;”

(d) Sub-regulation (106) of Regulation 3 i.e. Definitions: -

The HPSLDC has suggested to modify the definition of ‘State Sector Generating Stations (SSGS)’ as under:-

“(106) ‘State Sector Generating Stations (SSGS)’ means generating stations connected with the State Power Grid. However, for the purpose of scheduling/ dispatching such generating stations as are selling entire saleable energy to the distribution licensee or, any other State Entity and are not considered as separate State Entities, shall not be considered as SSGS. Such generating stations shall submit their projections/estimates and other online and offline data as may be required by ALDC so as to enable the ALDC to prepare consolidated schedule of the distribution licensee and also to keep SLDC updated on the information relating to the distribution licensee including such generating stations;”

Commission’s View:-

The Commission accepts the suggestions made by the HPSLDC and decides to modify the definition of ‘State Sector Generating Stations (SSGS)’ in Regulations 3, as under:-

“‘State Sector Generating Station (SSGS)’ means generating station including captive generating plant connected with the State Power Grid. For the purpose of scheduling and dispatch such generating stations as are selling entire saleable energy to the distribution licensee or, any other State Entity and are not considered as separate State Entities, shall not be considered as SSGS. Such generating stations shall submit their projections/estimates and other online and offline data as may be required by the distribution licensee so as to enable the distribution licensee to prepare consolidated schedule of the distribution licensee and also to keep SLDC updated on the information relating to the distribution licensee including such generating stations; ”

(e) Sub-regulation (111) of Regulation 3 i.e. Definitions: -

The HPSLDC has suggested to modify the definition of ‘Time Block’ in the Regulations as under:-

“(111) ‘Time Block’ means block of duration as specified by the Commission for which energy meters record values of specified electrical parameters with first time block starting at 00.00 Hours, presently of fifteen (15) minutes duration; which may be revised to five (5) minutes or such other duration as directed by the Commission from time to time.”

Commission’s View:-

The Commission taking into consideration the suggestions made by the HPSLDC decides to modify the definition of ‘Time Block’ as under:-

“‘Time Block’ means the time duration for which electrical parameters and quantities are recorded by energy meter, with first time block starting at 00.00 hrs. The duration of a time block, as followed by the

Northern Regional Load Despatch Centre and Northern Regional Power Committee, from time to time, shall be applicable;”

(f) Sub-regulation (116) of Regulation 3 i.e. Definitions: -

- (a) The Directorate of Energy has suggested to include the term ‘HPEMC’ alongwith other entities proposed to be fall in the definition of ‘User’.
- (b) The HPSLDC has submitted that the ‘User’ which are connected to the grid at 11 kV are made eligible in the definition and suggested that the voltage level of 11 kV may be enhanced to 33 kV.

Commission’s View:-

The Commission, in view of the reasons specified in para 8.1, decides not to concur with the suggestions of the DoE. However, taking into consideration the suggestions of the HPSLDC, the Commission decides to retain the definition of ‘User’ with minor modification as under:-

“**‘User’** means and includes generating company, captive generating plant, energy storage system, transmission licensee including deemed transmission licensee, distribution licensee, solar park developer, wind park developer, wind-solar photo voltaic hybrid system, or bulk consumer which is or whose electrical plant is connected to the grid at voltage level 33/22kV and above including open access consumers/ generators availing open access;”

8.3 Additional suggestions on Regulation 3 i.e. Definitions.-

(a) Addition of new definition of ‘State Entity’:-

The HPSLDC has suggested to include the definition of ‘State Entity’ in the State Electricity Grid Code Regulations as under:-

“**‘State Entity’** means such person who is within the SLDC control area and whose metering and energy accounting is done at the State level.

Explanation:- The sellers selling power to a State Entity, including distribution licensee, on regular basis shall not be considered as separate State Entity in relation to such sale of power under regular arrangement and the availability of power from such sources shall be accounted for by the State Entity purchasing such power for all intents and purposes. However, in case only a part of the total energy sales by a seller is being sold under regular arrangement and balance part is sold to any other person, not forming a State Entity of the State, such seller shall be considered as a separate State Entity in relation to sale of such balance portion. Accordingly, the generating stations selling the entire saleable energy to the distribution licensee shall not be treated as State Entities for the purpose of scheduling and dispatching etc.”

Commission’s View:-

The Commission agrees to the suggestions of the HPSLDC and decides to include the new definition of ‘State Entity’ in Regulation 3, as under:-

“State Entity” means the entity which is in the SLDC control area and whose metering and energy accounting is done at the State level;

Explanation:- The sellers selling power to a State Entity, including distribution licensee, on regular basis shall not be considered as separate State Entity in relation to such sale of power under regular arrangement and the availability of power from such sources shall be accounted for by the State Entity purchasing such power for all intents and purposes. However, in case only a part of the total energy sale by a seller is being sold under regular arrangement and balance part is sold to a person other than a State Entity, such seller shall be considered as a separate State Entity in relation to sale of such balance portion. Accordingly, the generating station(s) selling the entire saleable energy to the distribution licensee shall not be treated as State Entity(ies) for the purpose of scheduling and dispatching etc.”

(b) **Addition of new definition of ‘Himachal Pradesh Energy Management Centre’ or ‘HPEMC’ at Sr. No. 62.-**

- (i) The DoE has suggested to include the new definition of ‘Himachal Pradesh Energy Management Centre’ or ‘HPEMC’ in the Grid Code Regulations as under:-

“Himachal Pradesh Energy Management Centre’ or ‘HPEMC’ means a Energy Management Centre established by the State Government as Single Entity for power management and trading of power in the State of Himachal Pradesh which at present is being done by three agencies i.e. HPSEBL, HPPCL and DoE operating in the State, to carry out the relevant operating directives issued by the SLDC to the distribution licensee and to assist SLDC for safe and integrated operation of the concerned network.”

- (ii) The HPPTCL has also suggested to incorporate the definition of Himachal Pradesh Energy Management Centre (HPEMC) in the Grid Code to avoid jurisdictional overlap in real-time operations and data management between SLDC, STU.

Commission’s View:-

The Commission, in view of the reasons specified in para 8.1, do not agree to the suggestions made by the DoE and the HPPTCL.

8.4 Regulation 6 i.e. Responsibilities. -

Sub-regulation (2) of Regulation 6: -

The HPSLDC has suggested that the reference of ‘Regulation 18’ made in sub-regulation (2) of Regulation 6 may be substituted with ‘Regulations 7, 8 & 9’.

Commission’s View:-

The Commission accepts the suggestions made by the HPSLDC and decides to include the references of Regulations as suggested by the HPSLDC.

8.5 Regulation 11 i.e. Operation and Co-ordination Committee (OCC):

Sub-regulation (1) of Regulation 11:-

The HPSLDC has suggested that the word 'means' appearing in sub-regulation (1) of Regulation 11 shall be substituted with word 'meet'.

Commission's View:-

The Commission accepts the suggestions made by the HPSLDC and decides to substitute the word 'means' with the word 'meet' in sub-regulation (1) of Regulation

8.6 Regulation 15 i.e. Demand Forecasting and Resources Adequacy Planning.-

Sub-regulation (2) of Regulation 15:-

The HPSEBL suggested that the following proviso to Regulation 15(2) may be added:

“Provided that where Resource Adequacy is undertaken by any agency on behalf of the Distribution Licensee, the responsibility and liability for any lapse, including regulatory, operational or commercial consequences, shall lie on such agency and/or the Distribution Licensee, as the case may be.”

Commission's View:-

The Commission is of the view that the distribution licensee in the State is responsible for resource adequacy planning being a Regulated Entity for the purpose. It may not be appropriate to shift the responsibility and liability for any lapse on this account to other entity. Hence, Commission declines the suggestions made by the HPSEBL.

8.7 Regulation 17 i.e. System Planning Code.-

(a) Sub-regulation (3) of Regulation 17:-

The HPSLDC has suggested that the reference of 'section 39(2)(b)' of the Act made in the sub-regulation (3) of Regulation 17 may be substituted with reference 'section 39(2)(d)'.

Commission's View:-

The Commission accepts the suggestions made by the HPSLDC and decides to substitute the reference of 'section 39(2)(b)' appearing in sub-regulation (3) of Regulation 17 with 'section 39(2)(d)'.

(b) Sub-regulation 4(iii) of Regulation 17:-

The HPSLDC has suggested that the words i.e. 'or outside State' appearing in the clause (iii) of sub-regulation (4) of Regulation 17 may be omitted.

Commission's View:-

The Commission is of the view that the reinforcement or extension of the State Transmission System for system planning process is required to take into account the evacuation system for generating stations within or outside the State and accordingly does not find merits in the suggestions made by the stakeholder.

8.8 Regulation 18 i.e. Planning Policy.-

(a) Sub-regulation (1) of Regulation 18:-

The Himachal Pradesh Power Transmission Corporation Ltd. (HPPTCL) has suggested that the STU is the nodal planner for Intra-State Transmission System, the input and proposal for the distribution licensee owned network must originate from the Discom, as they hold the ground-level load data. Thus, following addition may be incorporated in Regulation 18:-

"The STU shall develop the overall perspective transmission plan. The Distribution Licensee/SLDC shall be responsible for submitting the data of over-stressed elements every three months to the STU for consolidation."

Commission's View:-

The Commission agrees to the suggestions made by the HPPTCL and decides to add the following proviso to sub-regulation (1) of Regulation 18:

"Provided that the Distribution Licensee and SLDC shall share the data of over-stressed elements of transmission system as per Regulation 61 of these Regulations."

(b) Sub-regulation (3)(i) of Regulation 18.-

The Directorate of Energy (DoE) has suggested that 'Based on the Resource Adequacy Plan, Distribution Licensee or any agency on its behalf shall provide the details of the demand forecasting and resource adequacy planning data, methodology and assumptions on which the forecasts are based to the STU. Such forecasts would be reviewed and updated by the Distribution Licensee or any agency on its behalf from time to time.'

Commission's View:-

The Himachal Pradesh Electricity Regulatory Commission (Framework for Resource Adequacy) Regulations, 2025, mandate the HPSEBL to prepare long-term and medium-term Power Procurement Plans including Demand Forecasting and Surplus Sale. As such, the power procurement plans and forecasting etc. are to be submitted by the distribution licensee to the STU. The distribution licensee may also take assistance of any agency, if required, for the purpose. Therefore, the Commission does not find it necessary to modify the provisions of Regulation 18 of the draft State Electricity Grid Code.

8.9 Regulation 19 i.e. Planning Responsibility.-

(a) Sub-regulation (1) of Regulation 19:-

The HPSEBL has suggested that -

- (i) The term "Category" may be defined since the Maximum Demand of Consumer Category-wise may not be maintained in the system;
- (ii) The time horizon for a rolling 10 year forecast with actual update may be considered since Long Term-Demand Resource Adequacy Planning (LT-DRAP) is universally recognized to be on a 10-year horizon, as thermal,

hydro and nuclear projects typically require 7-10 years from conception to power flow.

- (b) The Directorate of Energy (DoE) has suggested that the primary responsibility of demand forecasting within Distribution Licensee's area of supply rests with Distribution Licensee. The Distribution Licensee or any agency on its behalf shall determine its peak demand and energy forecasts for each category for each of the succeeding five (5) years and....'

Commission's View:-

- (a) The 'Report on Resource Adequacy Plan (Generation) for Himachal Pradesh (2025-26 to 2035-36)' is already available on the CEA website. For effective intra-State transmission planning by the STU to cater the requirement of intra-State wheeling/transmission of power, ten (10) years time horizon as suggested by the HPSEBL is too long period as compared to five (5) years time horizon proposed for such planning. Since the 'Report on Resource Adequacy Plan (Generation) for Himachal Pradesh (2025-26 to 2035-36)' is already available on the CEA website, the distribution licensee is in a better position to project the demand, by appropriate simulation of already available demand forecasting data upto 2035-36 for next five plus five (5+5) years.

As far as the suggestions of HPSEBL to define the term 'Category' is concerned, the Commission is of the view that the provision relating to forecast the energy as well as peak demand of each category for system designing in a mixed load scenario may be a cumbersome exercise. Hence, Commission decides to drop the provision of segregated category-wise demand forecasting and sub-regulation (1) of the proposed Regulation 19 is modified to such extent, as under:-

- “(1) The primary responsibility of demand forecasting within Distribution Licensee's area of supply rests with Distribution Licensee. The Distribution Licensee shall determine its energy forecast including peak demand for each of the succeeding five (5) years and submit the same annually by 31st May to the STU alongwith details of the Demand forecasting and resource adequacy planning, data, methodology and assumptions on which the forecasts are based alongwith its proposal for transmission system augmentation. The demand forecast shall be updated annually or whenever major changes are made in the existing forecast or planning.”
- (b) The Himachal Pradesh Electricity Regulatory Commission (Framework for Resource Adequacy) Regulations, 2025, mandate the HPSEBL to prepare long-term and medium-term Power Procurement Plans including Demand Forecasting and Surplus Sale. As such, the power procurement plans and forecasting etc. are to be submitted by the distribution licensee to the STU.

Hence, the Commission decides to retain the proposed provision with minor modification as elaborated in para (a) above.

(c) Sub-regulation (4) of Regulation 19:-

The HPSEBL has submitted that a number of projects owned by the IPPs do not achieve COD or are abandoned. Yet the STU/Discom infrastructure is created, resulting in stranded assets and ARR burden on HPSEBL and consumers. The stakeholder has further suggested that mandatory Bank Guarantee/security deposit from IPPs prior to connectivity with a provision to encash such Bank Guarantee in case of abandoned infrastructure or delay in connectivity may be incorporated in Regulation 25 of the State Electricity Grid Code.

Commission's View:-

The suggestions made by the HPSEBL are not part of this Regulatory process and falls under the ambit of HPERC Connectivity Regulations and Connectivity Agreement signed between the Licensee and Users. Hence, the Commission decides to retain the proposed provision.

(d) Sub-regulation (5) of Regulation 19:-

The Himachal Pradesh Power Transmission Corporation Ltd. (HPPTCL) has submitted that as per sub-regulation (5) of Regulation 19 of draft State Electricity Grid Code- *The planning for strengthening the State Transmission System for wheeling of power from outside State stations/ ISGS shall be initiated by the STU.* The responsibility of planning for strengthening the State Transmission System lies with the STU, however, the Regulations should state that responsibility for compliance with strengthening requirements such as N-1 criteria, technical standards and infrastructure strengthening should remain with respective asset owner for assets owned by it.

Commission's View:-

The provisions of sub-regulation (5) of Regulation 19 deals exclusively with wheeling of power from outside station/ISGS. The STU is responsible for initiating the strengthening of State Transmission System in such cases. Therefore, the Commission does not find merits in the suggestions made by the stakeholder, hence decides to retain the proposed provisions in the State Electricity Grid Code.

8.10 Regulation 22 i.e. General.-

(a) Sub-regulation (2) of Regulation 22:-

The HPSEBL has suggested that the intra-State Transmission system includes HPSEBL owned Transmission assets and therefore, the connectivity to such assets must be granted by the HPSEBL and not by the STU.

(b) The Directorate of Energy (DoE) has suggested that the connectivity to the IaSTS shall be granted by the STU in accordance with the HPERC (Grant of Connectivity, Long-term Access and Medium-term Open Access in intra-State

Transmission and related Matters) Regulations, 2010 or as per CERC GNA Regulations or such Regulations as may notified by the Commission.'

Commission's View:-

- (a) The Commission also agrees to the suggestions made by the HPSEBL and decides to include the words 'distribution licensee' after the word 'STU' appearing in sub-regulation (2) of Regulation 22.
- (b) The Commission also agrees to the suggestions made by the DoE to replace the words 'and as per the GNA Regulations' with words 'or as per the GNA Regulations' appearing in sub-regulation (2) and accordingly sub-regulation (2) of Regulation 22 is modified to such extent as under:-
 - "(2) The connectivity to the Intra State Transmission System (IaSTS) shall be granted by the STU/distribution licensee in accordance with the HPERC (Grant of Connectivity, Long-term Access and Medium-term Open Access in intra-State Transmission and Related Matters) Regulations, 2010 or as per GNA Regulations or such Regulations as may be notified by the Commission."

8.11 Regulation 23 i.e. Compliance with existing Rules and Regulations.-

Sub-Regulation (f) of Regulation 23:-

The HPSLDC has suggested that the Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2023 are also finding mention under clause (k) which may be deleted.

Commission's View:-

The Commission accepts the suggestions made by the HPSLDC and accordingly decides to omit the reference of 'Central Electricity Authority (Measures Relating to Safety & Electric Supply) Regulations, 2010' appearing under clause (f) of Regulation 23.

8.12 Regulation 24 i.e. Procedure for Connection.-

(a) Sub-regulation (2) of Regulation 24:-

The HPSLDC has submitted that sub-regulation (2) of Regulation 24 may be modified as under:-

"(2) SLDC, in coordination with STU after due consultation of stakeholders, shall prepare a detailed procedure covering modalities for first time energization and integration of new or modified power system element and submit for approval of the Commission. The procedure shall specify requirements for integration with the grid such as protection, telemetry and communication systems; metering; statutory clearances; modeling data requirements for system studies and timeline for submission of data for system study. In the absence of such procedure of SLDC, the NLDC procedure shall apply for the elements."

Commission's View:-

The Commission agrees to the suggestions made by the HPSLDC and decides to modify proposed sub-regulation (2) of Regulation 24 as under:-

“(2) STU, in coordination with SLDC and after consultation with the stakeholders, shall prepare a detailed procedure covering modalities for first time energization and integration of new or modified power system element and submit for approval of the Commission. The procedure shall specify requirements for integration with the grid such as protection, telemetry and communication systems; metering; statutory clearances; modeling data requirements for system studies and timeline for submission of data for system study. In the absence of such procedure of SLDC, the NLDC procedure shall apply for the elements.”

(b) Sub-regulation (3) of Regulation 24:-

The HPSLDC has suggested that the provisions relating to first time energisation provided in sub-regulation (3) of Regulation 24 may be shifted from Chapter i.e. ‘Connection/Connectivity Code’ and the same may be included in Chapter 6 as Regulation 31 (a) in ‘Commissioning and Commercial Operation Code’, as under:-

- (1) SLDC, in coordination with STU after due consultation of stakeholders, shall prepare a detailed procedure covering modalities for first time energisation and integration of new or modified power system element and submit for approval of the Commission. In the absence of such procedure of SLDC, the NLDC procedure shall apply for the elements.
- (2) Post completion of all physical arrangements of connectivity and necessary site tests, the concerned user shall request the SLDC for permission of first time energisation in the specified format as per the procedure published by SLDC.

Commission's View:-

The Regulation 24 deals with the procedure relating to connectivity and to allow the User for first time energisation and integration of new or modified power system elements. The Indian Electricity Grid Code has also followed the similar pattern in the corresponding Regulations. Therefore, the Commission does not find merits in the suggestions made by the stakeholder and decides to retain the provisions provided in the draft State Electricity Grid Code.

8.13 Regulation 25 i.e. Connectivity Agreement.-

The HPSLDC has suggested that the period of six (6) months for system study to be conducted by the STU and SLDC jointly before the expected date of first energisation of a new power system element to identify operational constraints, if any, provided in Regulation 25, may be enhanced to seven (7) months.

Commission's View:-

The Commission do not agree with the suggestions of the HPSLDC to enhance six (6) months period for system study as provided under Regulation 25. However, the provisions of Regulation 25 of the proposed Regulations relating to Technical Requirement is modified to the following extent:-

“Technical Requirements.- The STU, in consultation with the SLDC shall carry out a joint system study six (6) months before the expected date of first energization of a new power system element to identify operational constraints, if any. In case of constraints, the STU shall identify measures for facilitating the integration of the element, subject to grid security. The connectivity grantee and transmission licensee shall furnish all technical data including that of embedded generator(s) and other elements to the STU or the SLDC, as the case may be, for necessary technical studies. The STU shall publish detailed Procedure covering modalities for carrying out interconnection studies.”

8.14 Regulation 26 i.e. Data and Communication Facilities.-**(a) Sub-Regulation (1) of Regulation 26:-**

The HPSLDC has suggested that it may be included or clarified in sub-regulation (1) of Regulation 26 that all Users including Independent Power Producers (IPPs) and Distributed Energy Resources shall provide system for telemeter power system parameter for both Main Control Centre and Backup Control Centre of SLDC such as power flow, voltage and status of switches/ transformer taps etc. in line with interface requirements and other guidelines to the SLDC.

Commission's View:-

The Commission does not find merits in the suggestions made by the HPSLDC to provide system for telemetering power system parameter for Backup Control Centre of SLDC and decides to retain the provisions of sub-regulation (1) of Regulation 26 of the draft State Electricity Grid Code.

(b) Sub-regulation (5) of Regulation 26:-

The HPSEBL has suggested that the following provisions may be incorporated at the end of sub-regulation (5):-

- HPSEBL should be empowered to withhold payment to IPPs till telemetry is restored.
- SLDC should directly coordinate with IPPs using contact details furnished by the HPSEBL.
- Penalties collected must be shared with the HPSEBL, as DSM penalties are imposed on the Distribution Licensee.

Further, the stakeholder has submitted that the above submitted conditions may also be incorporated in view of the fact that Hon'ble APTEL in multiple DSM matters has recognised that real-time data availability is fundamental to grid discipline and deviation liability.

Commission's View:-

The Commission is of the view that the proposed provisions shall be applicable to all system users including transmission licensee. The suggestions with regard to sharing of penalty on account of failure of the system User(s) for not providing data and communication as provided in the Regulations with Discom may not be appropriate. As far as incorporating the provisions relating to withholding the payment of energy bills of the IPPs, the Commission is of the view that such provisions should not be a part of the State Electricity Grid Code. However, appropriate provisions for providing data and communication facility are already provided in the draft State Electricity Grid Code.

(c) Sub-Regulation (6) of Regulation 26:-

The HPSEBL has suggested that the words "shall be withdrawn" may be replaced with the words "shall stand withdrawn" to ensure automatic and avoid discretion.

Commission's View:-

The Commission do not agree to the suggestions made by the HPSEBL and decides to retain the provision provided in the draft State Electricity Grid Code.

8.15 Regulation 28 i.e. Protection Principles.-**Sub-regulations (3), (4) and (7) Regulation 28:-**

- (i) The HPSEBL has suggested with reference to sub-regulations (3) and (4) of Regulation 28 that the clause of standardization of protection system elements (relays, make, mode) may be included in order to reduce restoration time and inventory costs.
- (ii) The HPSEBL has also suggested with reference to sub-regulation (7) of Regulation 28 that in urgent grid-security related upgrades, users may be permitted to undertake works with ex-post facto approval of capital expenditure by the Commission.

Commission's View:-

- (i) In sub-regulation (7) of Regulation 28 of the draft State Electricity Grid Code, the adequate provisions have already been made with regard to suggestions made by the stakeholder, which are reproduced as under:-

“Provided that if it is felt by STU that User’s protection system does not comply with the norms, User is bound to get his protection system checked/ tested/inspected by STU, and if required replaced by new ones after its inspection and testing, so that there is no adverse impact on the State Grid or STU’s system.”

- (ii) As far as the suggestions of the stakeholder to allow ex-post facto approval of capital expenditure in urgent grid security upgrades is concerned, such suggestions are not part of this regulatory process and hence, the Commission declines to accept the same.

8.16 Regulation 30 i.e. Generator Requirements.-

The HPSLDC suggested that the following new sub-regulation 30 (a) may be added in Regulation 30:-

“30 (a) The protection schemes for lines at 400 kV/ 220 kV/132 kV/66 kV), ICTs, Sub-stations, approval of protection settings, protection audit plan and system protection schemes in accordance with the provisions of CEA Regulations and CERC (Indian Electricity Grid Code) Regulations, 2023:

Provided that the STU and the concerned Users shall be responsible for the implementation, maintenance, periodic testing, and compliance of such protection schemes within the HP Control Area.”

Commission’s View:-

The Commission agrees to the suggestions made by the HPSLDC and decides to add following sub-regulation (2), by re-numbering Regulation 30 as sub-regulation (1) and modify the title as ‘Generator and Transmission Lines Requirements’:-

“(2) The protection schemes for lines at 400 kV/220 kV/132 kV/66 kV), ICTs, Sub-stations, protection audit plan and system protection schemes shall be in accordance with the provisions of relevant CEA Regulations and CERC (Indian Electricity Grid Code) Regulations, 2023:

Provided that the STU and the concerned Users shall be responsible for the implementation, maintenance, periodic testing/auditing and compliance of such protection schemes within the HP Control Area.”

8.17 Regulation 34 i.e. Notice of Synchronisation and Trial-Run.-

The HPSEBL has suggested that save as provided in PPAs, no synchronization or no trial run shall be permitted unless 30 days prior notice is given containing the following:-

1. Date of execution of Connectivity Agreement;
2. Approval Point of interconnection;
3. O&M Agreement with Discom/STU;
4. No Objection Certificate and No-Dues from Discom and STU; and
5. Probable date of synchronization and trial run.

No notice shall be treated as valid without the above authenticated details.

Commission’s View:-

The timelines of notice of trial run or repeated trial run as provided in Regulation 34 of the draft State Electricity Grid Code are similar as provided in the Indian Electricity Grid Code. The power procurement from State Sector Generating Stations (SSGS) by the distribution licensee for technologies i.e. solar PV and small hydro projects are governed by the Model PPA(s). A saving provision to the conditions of particular PPA has already been provided in the

Regulation. Moreover, the suggested measures are appropriately addressed in the Model PPAs. In the circumstances the Commission do not find merits in the suggestions made by the stakeholder and decline to accept the same.

8.18 Regulation 37 i.e. Documents and Tests Prior to Declaration of Commercial Operation.-

(a) Sub-regulation (1) of Regulation 37:-

- (i) The HPSLDC has suggested that the provision provided in sub-regulation (1) of Regulation 37, relating to submission of relevant test reports and other documents by the generating company, as specified prior to declaration of commercial operation to the SLDC, the same documentation may be submitted to the distribution licensee (SE Design), HPSEBL in accordance with the Swaran Jayanti Energy Policy, 2021.
- (ii) The stakeholder has further suggested to incorporate the provision i.e. the transmission licensee shall submit the relevant test reports and other documents, as specified, to the SLDC prior to the issuance of a Certificate of Successful Trial Run.

Commission's View:-

The provision provided in draft sub-regulation (1) of Regulation 37 i.e. to submit the relevant reports and other documents relating to tests prior to declaration of commercial operation to the SLDC is in-line to the similar provision provided in the Indian Electricity Grid Code, wherein such responsibility is given to the NLDC. Further, clause (h) of sub-section(1) of section 86 of the Act, provides that the State Electricity Grid Code should be consistent with the National Electricity Grid Code.

Thus, the Commission does not find merits in the suggestions made by the HPSLDC particularly to incorporate the process relating to declaration of COD of the project(s). However, the Commission partially agrees to the suggestions made by the stakeholder and decides to incorporate the same in sub-regulation (1) of Regulation 37 as under:-

“Provided that the transmission licensee shall submit the relevant test reports and other necessary documents to the SLDC prior to the issuance of a Certificate of Successful Trial Run.”

(b) Sub-Regulation 4(a) of Regulation 37:-

The HPSLDC has suggested that the generating company shall submit OEM documents for the turbine, generator capability curve indicating the operating zone(s) and forbidden zone(s) to the State Government or authority prescribed for the purpose, SLDC, STU and Transmission Licensee/ Distribution Licensee. In order to demonstrate the operating flexibility of the generating unit, it shall be operated below and above the forbidden zone(s).

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify clause (a) of sub-regulation (4) of Regulation 37 as under:-

“(a) The generating company shall submit Original Equipment Manufacturer (OEM) documents to SLDC and STU for the turbine including generator capability curve indicating the operating zone(s). In order to demonstrate the operating flexibility of the generating unit, it shall be operated below and above the forbidden zone(s):

Provided that the generating company shall submit the generator capability curve and also submit the details of forbidden zone(s) after successful trial-run of the project/unit.”

8.19 Regulation 38 i.e. Certificate of Successful Trial-Run.-

- (i) The HPSLDC has suggested that in sub-regulation (1) of Regulation 38, the provision of raising the objections of trial-run by the beneficiary to the ‘SLDC’ may be modified to the extent that the beneficiary may raise such objection with ‘distribution licensee’.
- (ii) Similarly, the HPSLDC also submitted that the ‘distribution licensee’ may issue the certificate of successful trial-run in place of ‘SLDC’ as provided in sub-regulation (2) of Regulation 38.

Commission's View:-

The provision provided in the sub-regulations (1) and (2) of Regulation 38 is in-line to the similar provisions provided in the Indian Electricity Grid Code, wherein such duty is casted upon RLDC. Therefore, the Commission does not find merits in the suggestions made by the stakeholder and decline to accept the same. Moreover, the distribution licensee may be a beneficiary in some of the cases.

8.20 Regulations 39, 40 and 41 of the State Electricity Grid Code.-

The HPSLDC has suggested that the reference of CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010, appearing in Regulations 39, 40 and 41 may be replaced with the reference i.e. CEA (Measures relating to Safety and Electricity Supply) Regulations, 2023.

Commission's View:-

The Commission agrees to the suggestions made by the HPSLDC and decides to substitute the references ‘the Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2010’ with the references ‘the Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulations, 2023’ in Regulations 39, 40 and 41.

8.21 Regulation 43 i.e. Operating Philosophy.-

- (a) The HPPTCL has suggested that Operational hierarchy should clearly maintain SLDC as the supreme authority for real-time operational decisions and grid control. The following additions to Regulation 43 has been proposed:

"The real-time operation of EHV assets owned by the Distribution Licensee shall be carried out by the ALDC/Distribution Licensee, in strict compliance with SLDC directions."

- (b) The DoE has suggested that the regulation may recognize existing State-notified single-desk coordination mechanisms, DoE (HPEMC), which provide centralized operational coordination and facilitation support to State utilities and departments as per GoHP notification, while statutory responsibilities of SLDC remain unchanged.

Commission's View:-

- (a) The Commission agrees to the suggestions made by the HPPTCL and decides to add the following proviso to sub-regulation (1) of Regulation 43:-

"Provided that the real-time operation of EHV assets owned by the Distribution Licensee shall be carried out by the Distribution Licensee, in compliance to the directions of SLDC."

- (b) The Commission, for the reasons specified under para 8.1, do not agree to the suggestions made by the DoE.

(c) **Sub-regulation (4) of Regulation 43:-**

The HPSEBL has suggested that the words and figures "66 kV" appearing in sub-regulation (4) of Regulation 43 may be replaced with the words "33 kV & above".

Commission's View:-

The Commission is of the view that the sub-stations of 33 kV & below, with advancement of technologies should be unmanned sub-stations. Therefore, the Commission does not agree and find no merits in the suggestions made by the HPSEBL, hence decline to accept the same.

(d) **Sub-Regulation (5) of Regulation 43:-**

The DoE has suggested that the word 'HPEMC' may be incorporated in the provision of control rooms/Control centre(s) alongwith other entities i.e. SLDC, distribution licensee etc. in sub-regulation (5) of Regulation 43.

Commission's View:-

The Commission, in view of the reasons specified in para 8.1, do not agree with the suggestions of the DoE.

8.22 Regulation 44 i.e. System Security:-

- (a) The DoE has suggested that the role of a State-level coordinating and analytical support entity may be recognized to assist SLDC and Users in data consolidation, monitoring of outages particularly in outage management plan of all entity (Generators and STU and Discom) to minimise the downtime and management of peak Load of the State.

Further to empower HPEMC to take call on urgent cases to avoid Grid Disturbance. Also for implementation of all Operational schemes UFR, Reactive Power management and Voltage control on behalf of HPSEBL network, HPEMC must be informed and to enable HPEMC for taking call after due consultation with HPSLDC in real time situation.

Commission's View:-

The Commission is of the view that the proposed provisions are adequate and hence, decline to accept the suggestions made by the DoE.

(b) Sub-regulation (6) of Regulation 44:-

The HPSLDC has suggested that in 1st proviso of sub-regulation (6) of Regulation 44 it may be provided that in case of opening/removal of any important element of the IaSTS under an emergency situation, the same shall be communicated by the user to SLDC at the earliest after the event.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify the 1st proviso of sub-regulation (6) of Regulation 44 as under:-

“Provided that in case of opening/removal of any important element of the IaSTS under an emergency situation, the same shall be communicated by the user to SLDC at the earliest after the event.”

(c) Sub-regulation (7) of Regulation 44:-

The HPSEBL has suggested that the reporting may be considered within two time blocks considering restoration priorities instead of “within one time block”.

Commission's View:-

The Commission do not agree to the suggestions made by the stakeholder because such intimation as per the Indian Electricity Grid Code is further to be reported by the SLDC to the RLDC in required cases, hence decline the suggestions made by the stakeholder.

(d) Sub-regulation (9) of Regulation 44:-

The HPSLDC has suggested that the ‘STU and SLDC’ being an entity considered for carrying out maintenance of their respective power system elements in accordance with the provisions of the Grid Standards specified by the Authority in sub-regulation (9) of Regulation 44 may be omitted.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (9) of Regulation 44 as under:-

“(9) All Users shall carry out maintenance of their respective power system elements in accordance with the provisions of the Grid Standards specified by the Authority. Any prolonged outage of the power system elements of any Users which is causing or likely to cause danger to the grid or sub-optimal operation of the grid shall regularly be monitored by the SLDC. The SLDC shall report such outages to OCC and PCC. OCC

and PCC shall suggest an action plan and provide instructions to restore such elements in a specified time period.”

(e) Sub-regulation (10) of Regulation 44:-

The HPSEBL has suggested to consider percentage-based limits aligned with DSM Regulations, instead of 10 MW since more numbers of 10 MW units may cause grid imbalance.

Commission’s View:-

The corresponding provisions in sub-regulation (4) of Regulation 29 of Indian Electricity Grid Code also provides the referred limit in absolute figure in MW. The similar provisions of absolute MW figure is also provided in sub-regulation (10) of Regulation 44 of the draft State Electricity Grid Code. Hence, the Commission does not find merits in the suggestions made by the HPSEBL and decides to retain the limit in absolute MW figure.

(f) Sub-regulation (11) of Regulation 44:-

- (i) The HPSLDC has suggested that except in an emergency, or when it becomes necessary to prevent imminent damage to critical equipment, no user shall cause a sudden variation in its load by more than fifty (50) MW without the prior permission of the SLDC.
- (ii) The HPSEBL has suggested that the limit should be considered in percentage terms to the operating load at that time instead of 5 MW limit which will lead to heavy penalty to the Discom(s).

Commission’s View:-

- (i) The Commission partially agrees to the suggestions made by the SLDC to enhance the proposed limit of 5.00 MW and decides to enhance the same as 10.00 MW.
- (ii) The corresponding provisions in sub-regulation (5) of Regulation 29 of the Indian Electricity Grid Code also provides the referred limit in absolute figure in MW. The similar provisions of absolute MW figure is also provided in sub-regulation (11) of Regulation 44 of draft State Electricity Grid Code. Hence, the Commission does not find merits in the suggestions made by the HPSEBL and decides to retain the limit in absolute MW figure.

(g) Sub-regulation (12) of Regulation 44:-

- (i) The HPSLDC has suggested that the word ‘twenty’ appearing in sub-regulation (12) of Regulation 44 before words and figures ‘ten (10) MW’ should be omitted.
- (ii) The HPSEBL has suggested that operation without AVR/voltage controller is technically infeasible and requires deletion or clarification before finalization of the Regulation.

Commission's View:-

- (i) The Commission agrees to the suggestions made by the HPSLDC and decides to omit the word “twenty” appearing in sub-regulation (12) of Regulation 44.
- (ii) The provision of operation without AVR/voltage controller is technically feasible and the proposed provision is provided to address the situation where such equipment(s) is out of operation. The Indian Electricity Grid Code has also provided the similar provision. Therefore, the Commission does not find merits in the suggestions made by the HPSEBL and decides to retain the proposed provision.

(h) Sub-regulation (15) of Regulation 44:-

The HPSLDC has suggested that the provisions of protection and relay settings shall be coordinated periodically throughout the State grid, as per the plan finalized by the ‘NRPC/STU’ instead of ‘NRPC/SLDC’ proposed in sub-regulation (15) of Regulation 44.

Commission's View:-

As per the Indian Electricity Grid Code, such duty is casted upon the respective RPCs. The Commission is of the view that on similar lines, at State level, the NRPC/STU/SLDC/Distribution Licensee shall be the appropriate entities for the purpose. Hence, the Commission decides to modify sub-regulation (15) of Regulation 44, as under:-

“(15) The provisions of protection and relay settings shall be coordinated periodically throughout the State grid, as per the plan finalized by the NRPC/STU/SLDC/Distribution Licensee in accordance with the Protection, Testing and Commissioning Code of these Regulations.”

(i) Sub-regulation (16) of Regulation 44:-

The HPSLDC has suggested that the provision for consultation with STU for preparing islanding scheme may be incorporated in sub-regulation (16) of Regulation 44.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (16) of Regulation 44 as under:-

“(16) The NRPC/SLDC shall prepare the islanding schemes, in consultation with STU, distribution licensee(s) and respective Users, in accordance with the CEA Grid Standards for identified generating stations, cities/locations and ensure their implementation. The islanding schemes shall be reviewed and augmented depending upon the assessment of critical loads at least once a year or earlier, if required.”

(j) Sub-regulation (17) of Regulation 44:-

The HPSLDC has suggested that in case mock drill with field testing is not possible to be carried out for a particular scheme, simulation testing shall be carried out by the SLDC and STU jointly.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (17) of Regulation 44 as under:-

“(17) Mock drill of the islanding schemes shall be carried out annually by the SLDC, in coordination with the STU, distribution licensee(s) and other Users involved in the islanding scheme. In case mock drill with field testing is not possible to be carried out for a particular scheme, simulation testing shall be carried out by the SLDC, STU, distribution licensee and other Users jointly, as the case may be.”

(k) Sub-regulation (18) of Regulation 44:-

In Note-2 of Table-2 of sub-regulation (18) of Regulation 44, the HPSLDC has suggested that for pumped storage hydro plants operating in pumping mode or ESS operating in charging mode shall be automatically disconnected before the first stage of UFR at a frequency of 49.50 Hz.

Commission's View:-

The Commission is of the view that it has already been provided in the proposed Regulations that pumped storage hydro plants operating in pumping mode or ESS operating in charging mode shall be automatically disconnected before the first stage of UFR. Hence, the Commission declines the suggestions and decides to retain the proposed provisions provided in sub-regulation (18) of Regulation 44.

(l) Sub-regulation (20) of Regulation 44:-

The HPSLDC has suggested that the words ‘OCC’ appearing in sub-regulation (20) of Regulation 44 may be substituted with the words ‘PCC’.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to substitute the words ‘OCC’ with the words ‘PCC’ in sub-regulation (20) of Regulation 44.

(m) Sub-regulation (24) of Regulation 44:-

The HPSLDC has suggested that the words ‘for such exception’ may be incorporated in the last lines of sub-regulation (24) of Regulation 44 in a following manner:-

“..... . The concerned user shall also obtain permission for such exception from the SLDC.”

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (24) of Regulation 44 as under:-

“(24) All defence mechanisms shall always be in operation and any exception shall be immediately intimated by the concerned user to the SLDC alongwith the reasons and the likely duration of such exception. The concerned user shall also obtain permission for such exception from the SLDC.”

8.23 Regulation 45 i.e. Frequency Control and Reserves.-

- (a) The DoE has suggested that for the operational analysis and reporting support functions related to frequency management may be facilitated through a designated State entity DoE(HPEMC), in co-ordination with SLDC.

Commission's View:-

The Commission, for the reasons specified in para 8.1, do not agree to the suggestions made by the DoE.

(b) Sub-regulation (1) of Regulation 45:-

The HPSLDC has suggested that in sub-regulation (1) of Regulation 45 the line i.e. ‘The National Reference Frequency shall be 50.00 Hz’ may be substituted with the line ‘The National Reference Frequency is 50.00 Hz’.

Commission's View:-

The Commission do not agree to the suggestions made by the stakeholder to replace the words ‘shall be’ with the word ‘is’. The Indian Electricity Grid Code also use the words ‘shall be’ in their corresponding provision relating to frequency control and reserves. Taking into consideration the various provisions of the draft State Electricity Grid Code, the Commission decides to modify sub-regulation (1) of Regulation 45 as under:-

“(1) The National Reference Frequency is 50.00 Hz and the allowable band of frequency shall be 49.900 - 50.050 Hz. The frequency shall be measured with a resolution of +/-0.001 Hz. The SLDC, in co-ordination with NRLDC, Users, STU and Transmission Licensees shall make all possible efforts to ensure that frequency remains within the band of 49.900- 50.050 Hz as specified in the CERC (Indian Electricity Grid Code) Regulations, 2023.

8.24 Regulation 46 i.e. Operational Planning.-

- (a) The DoE has suggested that the Regulation may allow centralized aggregation, validation, and analytical support through an existing State-level mechanism i.e. DoE (HPEMC) to avoid duplication of forecasting, planning, and reporting efforts across multiple utilities.

Commission's View:-

The Commission, for the reasons specified in para 8.1, do not agree to the suggestions made by the DoE.

(b) Sub-regulation (1)(b) of Regulation 46:-

The HPSLDC has suggested that the provision to co-ordinate with Users for operational planning may be incorporated in sub-regulation (1) (b) of Regulation 46.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to incorporate the same in sub-regulation (1) (b) of Regulation 46 accordingly.

(c) Sub-regulation (2) of Regulation 46:-

The HPSLDC has suggested to assign some of the duties to ALDC/Discom in operational planning with re-drafting the proposed provisions of sub-regulation (2) of Regulation 46.

Commission's View:-

The duty relating to demand estimation is casted upon each SLDC in the Indian Electricity Grid Code. Accordingly, similar provisions are made in sub-regulation (2) of Regulation 46. Therefore, the Commission do not find merits in the suggestions made by the stakeholder and decide to retain the provisions provided in sub-regulation (2) of Regulation 46 of the draft State Electricity Grid Code.

8.25 Regulation 47 i.e. Outage Planning.-

The DoE has suggested that a State-level coordination entity may be recognized to facilitate inter-utility coordination, consolidation of outage plans, and analytical review, supporting SLDC and OCC functions. Final outage plan must be discussed in State OCC meeting in consultation with all Users and further finalise in such a fashion to minimise State Peak demand issue and optimum utilisation of water discharge condition of Hydro plant is also met.

Commission's View:-

The Commission do not agree to the suggestions made by the DoE as the existing provisions of the draft State Electricity Grid Code are adequate to address the issues.

8.26 Regulation 48 i.e. Operational Planning Study.-

The DoE has suggested that the Regulation may clarify that analytical studies, simulations, documentation, and record management may be supported by a State-designated entity like HPEMC, in coordination with SLDC and STU and also suggested to add the suggested provision in Regulation 48(4) (a) i.e. Assessment and Declaration of TTC and ATC for major IaSTS lines.

Commission's View:-

The Commission do not agree to the suggestions made by the DoE. Moreover, the Commission is of the view that adequate provisions exists in the draft State Electricity Grid Code.

8.27 Regulation 49 i.e. System Restoration.-

The DoE has suggested that a State-level coordinating entity may be recognized to facilitate preparation, periodic review, simulation support, and documentation of restoration procedures across utilities, without diluting the operational authority of SLDC.

Commission's View:-

The Commission is of the view that adequate provisions exists in the draft State Electricity Grid Code, hence, the Commission do not find merits in the submissions made by the DoE.

8.28 Regulation 50 i.e. Real Time Operation.-

- (i) The DoE has suggested that advance Load Shedding plan for Discom must be finalised to deal extreme emergency and be implemented by SLDC through ALDC control Room DoE (HPEMC).
- (ii) The DoE has also suggested that in Regulation 50 for the word 'Distribution licensee' where appearing may be read as 'HPEMC & Distribution licensee'

Commission's View:-

For the reasons specified in para 8.1, the Commission do not agree to the suggestions made by the DoE. Moreover, the Commission is of the view that adequate provisions exists in the draft State Electricity Grid Code, hence, the Commission do not find merits in the submissions made by the DoE.

8.29 Regulation 51 i.e. Demand and Load Management.-

- (a) (i) The DoE has suggested that the ADMS plan for Discom must be finalised to deal such situation and be implemented by SLDC through ALDC control Room DoE (HPEMC).
- (ii) The DoE has also suggested that in Regulation 51 for the word 'Distribution licensee' where appearing may be read as 'HPEMC & Distribution licensee'

Commission's View:-

The Commission, for the reasons specified in para 8.1, do not agree to the suggestions made by the DoE. However, the existing provisions in the proposed Regulations are adequate to address the concern voiced by the DoE.

(b) Sub-regulation (1) of Regulation 51:-

The HPSLDC has suggested that the following lines may be added at end of sub-regulation (1) of Regulation 51:-

'Discom shall identify the feeders to be operated through ADMS and their integration with ADMS system of SLDC alongwith restoration of the operated feeder.'

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to incorporate the suggested provisions in sub-regulation (1) of Regulation 51 as under:-

“(1) The demand and load shall be managed for ensuring grid security. The SLDC, in coordination with STU and Distribution Licensee (s), shall develop Automatic Demand Management Scheme (ADMS) with emergency controls at SLDC. Discom shall identify the feeders to be operated through ADMS and their integration with ADMS system of SLDC alongwith restoration of the operated feeder.”

(c) Sub-regulation (2) of Regulation 51:-

The HPSLDC has suggested that the following 2nd proviso may be added after 1st proviso to sub-regulation (2) of Regulation 51:-

“Provided further that distribution licensee shall provide the list of feeders for manual load curtailment alongwith quantum of relief in MW to SLDC and shall carry out load shedding as per the instructions of SLDC.”

Commission’s View:-

The Commission agrees to the suggestions made by the stakeholder and decides to add 2nd proviso in sub-regulation (2) of Regulation 51 as under:-

“Provided further that distribution licensee shall provide the list of feeders for manual load curtailment alongwith quantum of relief in MW to SLDC and carry out load shedding as per the instructions of SLDC.”

8.30 Regulation 52 i.e. Load Crash.-

- (a) The DoE has suggested that the down reserve must be identified and finalised to deal sudden load crash situation by DoE(HPEMC) and also suggested that in Regulation 52 for the word ‘Distribution licensee’ where appearing may be read as ‘HPEMC & Distribution licensee’.

Commission’s View:-

The Commission, in view of the reasons specified in para 8.1, do not agree to the suggestions made by the DoE. Moreover, the existing provisions are adequate to address the concern voiced by the DoE.

(b) Clause (b) of Regulation 52:-

The HPSLDC has suggested that to incorporate the words ‘co-ordination with NRLDC’ at the end of clause (b) of Regulation 52.

Commission’s View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify Regulation 52 as under:-

“52. Load Crash.- In the event of load crash due to weather disturbances or any other reasons, the SLDC shall control the situation in co-ordination with NRLDC, in the required event by getting the following methods implemented from Distribution Licensee(s) and other Users in descending priorities:-

- (a) Lifting of the load restrictions, if any;
- (b) Exporting the power to neighboring regions/states; and

- (c) Closing/Backing down of hydropower units (subject to non-spilling of water and effect on irrigation) keeping in view the inflow of water into canals and safety of canals/hydel channels:

Provided that any other instructions issued by NRLDC shall assume priority over such methods:

Provided further that such methods shall be reviewed from time to time by OCC and PCC.

8.31 Regulation 53 i.e. Congestion Management & Inter-User Boundary Safety.-

- (a) The DoE has suggested that the provisions of Regulation 53 are already covered in Regulation 48.

Commission's View:-

The Regulation 53 broadly deals with the development of procedure for relieving the congestion in the IaSTS, to fix the congestion charges at State level and provisions relating to Inter-User boundary safety, whereas, Regulation 48 broadly provides for Operational Planning Study. The aspects provided in Regulation 48 are required to be taken into account during implementation of the provisions of Regulation 53. Hence, the Commission does not find merits in the suggestions and decides to retain Regulation 53 of the draft State Electricity Grid Code.

8.32 Regulation 54 i.e. Post Despatch Analysis.-

The DoE has suggested that the post-dispatch analysis, reporting, archival, and dissemination functions may be supported through DoE (HPEMC).

Commission's View:-

For the reasons specified in para 8.1, the Commission do not agree to the suggestions made by the DoE. Moreover, the existing provisions are adequate to address the concern voiced by the DoE.

8.33 Regulation 55 i.e. Periodic Reports.-

- (a) The DoE has suggested that Regulation may explicitly permit Centralized preparation and consolidation of reports on behalf of HPSEB Ltd. and HPPCL through an existing State Designated Mechanism, in coordination with SLDC and Utilities.

Commission's View:-

For the reasons specified in para 8.1, the Commission do not agree to the suggestions made by the DoE. Otherwise also, the existing provisions are adequate to address the concern voiced by the DoE.

(b) Sub-regulation (3) of Regulation 55:-

The HPSLDC has suggested that the distribution licensee(s) may also be considered in the provisions of sub-regulation (3) of Regulation 55, to provide the operational feedback for grid planning and re-optimization in addition to the STU.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (3) of Regulation 55 as under:-

“(3) The SLDC shall provide the operational feedback for grid planning and re-optimization to the STU and distribution licensee, once in every three (3) months with regard to overloading of various transmission elements and may suggest suitable remedial measures to be taken and upload the same on its website.”

8.34 Regulation 56 i.e. Reactive Power Management.-

(a) The DoE has suggested that the reactive power compensation calculated at ISTS periphery by NR will be shared by User's/STU on the basis of exchanges between them during High and Low Voltages to avoid mismatch in net compensation amount calculated by NR.

Commission's View:-

The Commission is of the view that the State Transmission Utility (STU) functions primarily as a facilitator for power flow between the Inter-State Transmission System (ISTS) and the State grid, particularly for transfer of power to the distribution licensee, and does not independently inject or draw power in a commercial capacity. Further, applying such mechanism to all Users may not be appropriate. The State Grid Code, 2008 provides that such charges shall be applicable to the 'Beneficiary'. Therefore, the Commission decides to substitute the words 'STU'/'Users' with the word 'Beneficiary' in Appendix 'C' as elaborated in succeeding para 8.43 (a) of this Order. It is also decided to modify the definition of 'Beneficiary' in Chapter-3 of the draft State Electricity Grid Code suitably, as under:-

“**Beneficiary**’ means a person who has share in an ISGS, SSGS and Bhakra Beas Management Board (BBMB) generating stations or bilateral exchanges including open access Users/consumers (other than embedded consumer(s) of distribution licensee);

(b) Sub-regulation (3) of Regulation 56:-

The HPSLDC has suggested that switchable Line Reactors may be provided by STU/User to control temporary overvoltage within the limits set out in connection agreements and accordingly such entity, as suggested, may be incorporated in sub-regulation (3) of Regulation 56.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (3) of Regulation 56 as under:-

“(3) Switchable Line Reactors may be provided by STU/User to control temporary overvoltage within the limits set out in the connection agreement(s).”

(c) Sub-regulation (5) of Regulation 56:-

The HPSLDC has suggested that the word ‘concurrence’ appearing in sub-regulation (5) of Regulation 56 may be substituted with the word ‘Consultation’.

Commission’s View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (5) of Regulation 56 as under:-

“(5) Switching in/out of all 400 kV bus and line Reactors throughout the grid shall be carried out as per the instructions of the SLDC. Tap changing on all 400/220/132 kV Interconnecting Transformers shall also be done as per the instructions of the SLDC in consultation with NRLDC. The Users already connected to the grid shall provide additional reactive compensation as per the quantum and time decided by the STU/SLDC:

Provided that for the purpose of tap changing, voltage of local bus shall be considered as reference voltage.”

(d) Sub-regulation (8) of Regulation 56:-

The HPSLDC has suggested that in sub-regulation (8) of Regulation 56, the words ‘or operational committee’ appearing after the words ‘OCC’ may be omitted.

Commission’s View:-

The Commission agrees to the suggestions made by the HPSLDC and decides to modify sub-regulation (8) of Regulation 56 as under:-

“(8) All Users and STU shall provide adequate voltage control as specified by the OCC to ensure its effective application to prevent voltage collapse/cascade tripping. Voltage fluctuation limits and voltage waveform quality shall be maintained as specified by the Authority. The STU may carry out voltage stability studies for sensitive nodes having low voltages and lesser fault level and ensure that voltages at these nodes are much above knee point.”

(e) Sub-regulation (14) and (15) of Regulation 56:-

The HPSLDC has suggested that the word ‘SLDCs’ appearing in sub-regulations (14) and (15) of Regulation 56 may be substituted with the word ‘SLDC’.

Commission’s View:-

The Commission agrees to the suggestions made by the stakeholder and decides to substituted the word ‘SLDCs’ with the word ‘SLDC’ appearing in sub-regulations (14) and (15) of Regulation 56.

(g) Deletion of 2nd proviso in sub-regulation (17) of Regulation 56:-

The HPSLDC has suggested that the 2nd proviso to sub-regulation (17) of Regulation 56 may be omitted, since similar provision has already been provided in sub-regulation (7) of this Regulation.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to drop the proposed 2nd proviso to sub-regulation (17) of Regulation 56.

8.35 Regulation 57 i.e. Periodic Testing.-

(a) Sub-regulation (2)(a) of Regulation 57:-

The HPSLDC has suggested that the word 'element' appearing before the word 'elements' in sub-regulation (2)(a) of Regulation 57 may be omitted.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to omit the word 'element' in sub-regulation (2)(a) of Regulation 57 and to modify sub-regulation 2 (a) to that extent , as under:-

“ (2)(a) The owner of the power system element shall be responsible for carrying out tests as specified in these Regulations and for submitting reports to the SLDC, STU, CEA and CTU for all Intra state elements.”

(b) Sub-Regulation (2)(b) of Regulation 57:

The HPSLDC has suggested that the words 'concerned NRPC' appearing twice in sub-regulation (2)(b) of Regulation 57 shall be substituted with the word 'SLDC'.

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (2) (b) of Regulation 57 to that extent, as under:-

“(2) (b) All equipment owners shall submit a testing plan for the next year to the SLDC by 31st October to ensure proper coordination during testing as per the schedule. In case of any change in the schedule, the owners shall inform the SLDC in advance.”

8.36 'Chapter -8, Scheduling & Despatch Code'.-

The DoE has submitted that the word 'DISCOM' appearing in the Chapter may be changed with 'DoE (HPEMC)' on behalf of Discom to ensure consistency and avoid duplication. Given the extensive analytical and forecasting requirements, the regulation may permit centralized forecasting support, data validation, and performance analysis through an existing State-level entity DoE(HPEMC), working in coordination with SLDC and Discom.

Commission's View:-

For the reasons specified in para 8.1, the Commission do not agree to the suggestions made by the DoE. Moreover, the existing provisions are adequate to address the concern voiced by the DoE.

8.37 Regulation 60 i.e. Control Area Jurisdiction of State Load Despatch Center (SLDC).-**Sub-regulation (2) of Regulation 60:-**

The HPSLDC has suggested to incorporate the lines highlighted in sub-regulation (2) of Regulation 60 as under:-

“(2) The SLDC shall be responsible for optimum scheduling and despatch of electricity, monitoring of real time grid operations and management of the reserves including energy storage systems based on information received from Discom and demand response within State control area, supervision and control over the intra-State transmission system, processing of interface energy meter data and coordinating the accounting and the settlement of State pool account, as may be specified by the Commission.”

Commission's View:-

The Commission is of the view that there may be entity (ies) other than HPSEBL such as open access consumers (other than embedded consumers) availing open access which shall fall under the ambit of sub-regulation (2) of Regulation 60. The Indian Electricity Grid Code has also provided similar corresponding provisions for inter-State transmission system. Therefore, the Commission do not find merits in the suggestions made by the stakeholder and decides to retain the provisions of the draft State Electricity Grid Code.

8.38 Regulation 62 i.e. General Provisions.-**(a) Sub-regulation (1)(a) of Regulation 62:-**

The HPSLDC has suggested that the following proviso may be added to clause (a) of sub-regulation (1) of Regulation 62:

“Provided that DoE under GoHP shall provide the details of free power share and LADF in percentage to SLDC on quarterly basis.”

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to add following proviso to clause (a) of sub-regulation (1) of Regulation 62:-

“Provided that State Government or the agency appointed for the purpose shall provide the details of free power share and LADF in percentage to SLDC on quarterly basis.”

(b) Addition of sub-regulation 3(iv) after sub-regulation 3(iii) of Regulation 62 i.e. General Provisions.-

(i) The HPSLDC has suggested that following clause (iv) in sub-regulation (3) of Regulation 62 may be added:-

“(3) (iv) Copy of valid contract signed by seller and buyer other than collective transactions.”

- (ii) The HPSEBL suggested that the following clause (iv) in sub-regulation (3) of Regulation 62 may be inserted:-

“(3)(iv) O&M agreement applicability and approval mechanisms require clarity.”

Commission’s View:-

- (i) The Commission agrees to the suggestions made by the HPSLDC and stakeholders decides to add following clause (iv) in sub-regulation (3) of Regulation 62:-

“(3) (iv) Copy of valid contract signed by seller and buyer other than collective transactions.”

- (ii) The Commission is of the view that it is not appropriate to add the suggestions of the HPSEBL in the provisions of ‘Requirement of Commencement of Scheduling’ provided in sub-regulation (3) of Regulation 62 of the draft State Electricity Grid Code, hence declines to accept the same.

(d) Sub-regulation (6) of Regulation 62.-

The HPSLDC has suggested the following in sub-regulation (6) of Regulation 62:-

- (i) The 2nd proviso to clause (a) of sub-regulation (6) may be omitted.
- (ii) The words ‘concerned SLDC’ and ‘NRPC’ appearing in clause (b) and (c) of Sub-regulation (6) may be substituted with the word ‘SLDC’ respectively.
- (iii) The provision i.e. ‘State entity WS Seller shall declare the available capacity on day ahead basis, as per the provisions of Regulations 63 of these Regulations’ provided in the clause (b)) of Sub-regulation (6) may be considered to provide as additional clause (d) to the Sub-regulation (6) of Regulation 62.

Commission’s View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify clause (a), (b) and (c) of sub-regulation (6) of Regulation 62 to the following extent:-

“(a) The State entity generating station other than the WS seller shall declare exbus Declared Capacity limited to 100% MCR less auxiliary power consumption, on day ahead basis as per the provisions of sub-regulation (7) of this Regulation:

Provided that the hydro generating stations may declare exbus Declared Capacity more than 100% MCR less auxiliary power consumption limited to overload capability in terms of sub-regulation (8) of this Regulation during high inflow periods:

Provided further that a high inflow period for this purpose shall be notified by the NRPC.

(b) The State entity WS Seller shall declare the available capacity on day ahead basis, as per the provisions of Regulations 63 of these Regulations. The State entity with generating stations other than WS sellers may be required to demonstrate the declared capacity of their generating stations as and when directed by the SLDC. For this purpose, the SLDC, in coordination with beneficiaries, shall schedule the State entity generating station up to its declared capacity as declared on day ahead basis.

(c) The schedule issued by the SLDC shall be binding on the beneficiaries for such testing of the declared capacity of the State entity generating station. In case the generating station fails to demonstrate the declared capacity, it shall be treated as a mis-declaration for which charges shall be levied on the generating station by SLDC as follows:-

The charges for the first mis-declaration for a block or multiple blocks in a day shall be the charges corresponding to two (2) day's fixed charges at normative availability. For the second mis-declaration, the charges shall correspond to four (4) day's fixed charges at normative availability, and for subsequent mis-declarations, the charges shall increase in a geometric progression over a period of a month."

8.39 Regulation 63 i.e. Procedure for Scheduling and Despatch for Intra-State Transactions.-

(a) Addition of item (i) after sub-clause (I)(h) sub-regulation (1) (A) in Regulation 63 .

The HPSLDC has suggested that the provisions for submission of information relating to 'Environmental flow' may be added after sub-clause (I)(h) of sub-regulation (1) (A) of Regulation 63.

Commission's View:-

The Commission do not agree to the suggestions made by the stakeholder since a separate independent Agency in the State, as per their mandate, is monitoring the 'Environmental flow' of hydro projects.

(b) Addition in sub-regulation (1) (D) in Regulation 63:-

The HPSLDC has suggested that the following may be added in addition of sub-regulation (1) (D) of Regulation 63:-

"(i) Discom shall intimate the details of Secondary and Tertiary reserves to SLDC for the 'D' day by 7 A.M. of D-1 day."

Commission's View:-

The Commission agrees to the suggestions made by the stakeholder and decides to modify sub-regulation (1) (D) of Regulation 63 to the following extent:-

“(D) Every State Generating Station and distribution licensee who has entered into contract with NLDC or made arrangements at its own to provide the Secondary Reserve Ancillary Services (SRAS) and Tertiary Reserve Ancillary Services (TRAS) shall intimate the quantum of secondary and tertiary reserves for the ‘D’ day by 7 AM of ‘D-1’ day.”

(c) Item (iii) of clause (C) of sub-regulation (2) of Regulation 63:-

The HPSLDC has suggested that the words ‘if available’ may be added after the words ‘Switching on/off pump storage plants operating in pumping mode’ in item (iii) of clause (C) of sub-regulation (2) of Regulation 63.

Commission’s View:-

The proposed provision is adequate and hence, the Commission does not find merits in the suggestions made by the stakeholder and decides to retain the proposed provision without any modification.

(d) Item (ii),(iii) and (iv) of clause (d) of sub-regulation (3) of Regulation 63:-

The HPSLDC has suggested that the word ‘of’ may be added in the first line of item (ii),(iii) & (iv) of clause (d) of sub-regulation (3) of Regulation 63 after the word ‘behalf’ and before the words ‘intra-State Entity’.

Commission’s View:-

The Commission agrees to the suggestions made by the stakeholder and decides to add the word ‘of’ in the first line of items (ii),(iii) and (iv) of clause (d) of sub-regulation (3) of Regulation 63 after the word ‘behalf’ and before the words ‘intra-State Entity’.

(e) In clause (f) of sub-regulation (3) of Regulation 63:-

The HPSLDC has suggested that the word ‘to’ appearing in clause (f) of sub-regulation (3) of Regulation 63 after word ‘available’ and before the words ‘the drawal’ may be omitted.

Commission’s View:-

The Commission agrees to the suggestions made by the stakeholder and decides to omit the word ‘to’ appearing in clause (f) of sub-regulation (3) of Regulation 63.

8.40 Sub-Regulation (1) of Regulation 67:-

The HPSLDC has suggested that the word ‘regional’ appearing in the last line of sub-regulation (1) of Regulation 67 may be substituted with the word ‘State’.

Commission’s View:-

The Commission is of the view that proposed provisions are adequate and do not find merits in the suggestions made by the stakeholder and decides to retain the proposed provisions provided in sub-regulation (1) of Regulation 67 of the draft State Electricity Grid Code.

8.41 **Regulation 68 i.e. Monitoring of Compliance.-**

(a) **Sub-regulation (1) of Regulation 68:-**

The HPPCL has suggested that the “*State Transmission Utility and State Load Despatch Centre shall be responsible for monitoring the compliance of Users and State Transmission Licensees with the provisions, contained in HPEGC and with the procedures developed under such provisions:*” The Regulation should be modified in such a way that the responsibility of compliance monitoring be split between SLDC and STU to ensure effectiveness. The STU should monitor compliance regarding connectivity/technical standards etc., whereas, SLDC shall monitor compliance regarding operational standards, grid security standards etc.

(b) **Sub-regulation (3) of Regulation 68:-**

The HPSLDC has suggested that the words ‘non-compliance of the SLDC's instructions’ appearing twice simultaneously in sub-regulation (3) of Regulation 68 may be corrected.

Commission’s view on sub-regulation (1) of Regulation 68:-

(a) The Commission agrees to the suggestions made by the HPPCL and decides to modify sub-regulations (1) to (7) of Regulation 68 relating to Monitoring and Compliance of the draft State Electricity Grid Code, as under:-

“(1) State Transmission Utility shall be responsible for monitoring the compliance of Users and State Transmission Licensees with the provisions, contained in Chapters- 3, 4, 5, 6 and 7 of these Regulations and with the procedures/guidelines developed under such provisions:

Provided that the State Transmission Utility shall not unduly discriminate against or unduly prefer any User or Transmission Licensee:

Provided further that the STU, SLDC and distribution licensee shall be responsible jointly for monitoring the compliances in case such compliances, as per these Regulations, require joint monitoring.

(2) The SLDC shall be responsible for monitoring the compliance of Users and State Transmission Licensees with the provisions, contained in Chapters- 6, 7 and 8 of these Regulations and with the procedures/guidelines developed under such provisions:

Provided that the SLDC shall not unduly discriminate against or unduly prefer any User or Transmission Licensee:

Provided further that the STU, SLDC and distribution licensee shall be responsible jointly, for monitoring the compliances in case such compliances, as per these Regulations, require joint monitoring.”

(3) In case of persistent non-compliance of the provisions of State Electricity Grid Code and/ or the procedures developed under such provisions, such matter shall be reported to the Commission.

- (4) All directions issued by the RLDC to any transmission licensee or any other licensee of the State or generating company (other than those connected to inter-State transmission system) or Sub-station in the State shall be issued through the SLDC and the SLDC shall ensure that such directions are duly complied with by the licensee or generating company or Sub-station, as the case may be.
- (5) The State Load Despatch Centre may give such directions and exercise such supervision and control as may be required for ensuring the integrated grid operations and for achieving the maximum economy and efficiency in the operation of power system in the State.
- (6) Every Transmission Licensee and User connected with the operation of the power system including QCA shall comply with the directions issued by the SLDC under sub-regulation (5) of this Regulation.
- (7) If any dispute arises with reference to the quality of electricity or safe, secure and integrated operation of the State grid or in relation to any direction given under sub-regulation (5) of this Regulation, it shall be referred to the Commission for decision:

Provided that till the time Commission decides in the matter, the directions of the SLDC shall be complied with by the Transmission Licensee or User, as the case may be.”

(b) Commission’s view on sub-regulation (3) of Regulation 68:-

The Commission has accepted the suggestions made by the HPSLDC and accordingly modified the provisions of sub-regulations (1) to (7) of Regulation 68 in para (a) above. Sub-regulation (5) of Regulation 68, as modified, will address the concern voiced by the stakeholder.

8.42 Regulation 70 i.e. Power to Remove Difficulty.-

Sub-regulation (1) Regulation 70:-

The HPSLDC has suggested that the words ‘Nodal Agency’ appearing in sub-regulation (1) of Regulation 70 may be substituted with the words ‘grid review committee’.

Commission’s View:-

The Commission agrees to the suggestions made by the HPSLDC and decides to substitute the words ‘Nodal Agency’ with the words ‘Grid Code Review Committee’ in sub-regulation (1) of Regulation 70.

8.43(a) Appendix - “C” i.e. Reactive Power and Voltage Control.-

(a) Para (1) of Appendix - “C”:-

The HPSLDC has suggested that the words ‘STU/Users’ appearing in para (1) of Appendix-“C” to the draft Regulations may be substituted with the words ‘Buyers (other than embedded consumer of Discom)’.

Commission's View:-

The Commission agrees to the suggestions made by the HPSLDC to the extent that the words 'STU/Users' may require substitution 'Buyers (other than embedded consumer of Discom). The Commission decides to substitute the words 'STU/Users' with the words 'Beneficiary'. Accordingly, para (1) of Appendix-"C" to the Regulations is modified, as under:-

"(1) Reactive power compensation should ideally be provided locally, by generating reactive power as close to the reactive power consumption as possible. The beneficiaries are, therefore, expected to provide local VAR compensation/generation such that they do not draw VARs from the EHV grid, particularly under low-voltage condition. To discourage VAR draws by State Entity, VAR exchanges with IaSTS shall be priced as follows:-

- (i) The beneficiary pays for VAR drawal when voltage at the metering point is below 97% .
- (ii) The beneficiary gets paid for VAR return when voltage is below 97%;
- (iii) The beneficiary gets paid for VAR drawal when voltage is above 103% ; and
- (iv) The beneficiary pays for VAR return when voltage is above 103%:

Provided that there shall be no change/payment for VAR drawal/ return by a beneficiary on its own line emanating directly from an SSGS."

(b) Para (3) of Appendix – "C": -

The HPSLDC has suggested that the words 'a STU/Users' appearing in para (3) of Appendix-"C" to the draft Regulations may be substituted with the word 'Users'.

Commission's View:-

The Commission agrees to the suggestions made by the HPSLDC and decides to substitute the words 'a STU/Users' with the word 'Users' in para (3) of Appendix-"C".

(c) Para (4) of Appendix – "C":-

The HPSLDC has suggested that para (4) of Appendix- "C" shall be substituted with the following:-

"(4) SLDC shall raise the weekly reactive charges bill to buyer (other than embedded consumer of Discom) and such buyer shall make payment of the reactive charges within 7 days from the date of issuance of bill by SLDC.

Provided that while raising such bills to buyer (other than embedded consumer of DISCOM), the SLDC shall take into account the weekly reactive energy charges bill raised to HP State by NRPC."

Commission's View:-

The Commission partially agrees to the suggestions made by the HPSLDC and decides to add para (5) after para (4) of Appendix "C", as under:-

“(5) SLDC shall raise the weekly reactive charges bill to beneficiary and such beneficiary shall make payment of the reactive charges within 7 days or any such time lines as may be fixed by the Commission.

Provided that while raising such bills to beneficiary, the SLDC shall take into account the weekly reactive energy charges bill raised to HP State by NRPC.”

8.44 Miscellaneous Suggestions.-

The HPSLDC has suggested to add a new clause 106(a) in Regulation 3 i.e. Definitions as under: -

“106 (a) Swaran Jayanti Energy Policy, 2021: means the energy policy notified by the Government of Himachal Pradesh in the year 2021, as amended from time to time, aimed at promotion, development, and facilitation of generation of energy from renewable and other clean energy sources within the State.”

Commission’s View:-

The Commission is of the view that it may not be appropriate to give reference of particular Policy issued by the State Government or Central Government in the State Electricity Grid Code. Therefore, the Commission declines to accept the suggestions made by the HPSLDC.

In view of the above, the Commission, after taking into consideration the objections and suggestions received on the draft State Electricity Grid Code Regulations, 2025 and the deliberations in the public hearing conducted thereon including those discussed specifically in the preceding paragraphs, decides to finalize and notify the “Himachal Pradesh Electricity Regulatory Commission (Himachal Pradesh Electricity Grid Code), Regulations, 2026” by incorporating changes specifically discussed herein above and other minor modifications of general nature, as may be felt necessary while finalising the said Regulations. The Regulations be accordingly published in the Rajpatra, HP as per procedure.

sd/-
(Shashi Kant Joshi)
Member

sd/-
(Yashwant Singh Chogal)
Member (Law)-Cum-Chairman

Annexure-“A”

Sr. No.	Participant
1	Shri. K.S. Dhaulta, Consumers Representative
2	Er. Mandeep Singh, Chief Engineer (SO), HPSEBL, Shimla
3	Er. Ajay Thakur , S.E. (Comm.), HPSEBL, Shimla
4	Er. J.S Upadhay, Sr. XEN (SERC), HPSEBL, Shimla
5	Er. Pooja Thakur, Sr. XEN, HPSEBL, Shimla
6	Er. Suresh Pal, Sr. Executive Engineer, HPSEBL, Shimla
7	Er. Amit Gupta, SE (E), DoE, Shimla
8	Er. Kuldeep Kumar, Sr. Executive Engineer, DoE, Shimla
9	Er. Virender, AEE (E), DoE, Shimla
10	Er. Vivek Thakur , AE(E), DoE, Shimla
11	Er. Anita Sharma, Sr. Executive Engineer, HPSLDC, Shimla
12	Er. Rohit Kumar, AE, HPSLDC, Shimla
13	Er. Mohit Sharma, Dy. Manager , HPPTCL, Shimla
14	Sh. Ashish, Executive (Law), HPPTCL, Shimla