



**PUNJAB STATE POWER CORPORATION LIMITED**

**O/o CHIEF ENGINEER/ARR&TR, Regd.office: PSEB Head Office,The Mall Patiala-147001,  
Tel.No.0175-2302531,Fax No.0175-2302416,email ce-arr-tr@pspcl.in  
Corporate Identity Number: U40109PB2010SGC033813 Website:www.pspcl.in**

To

**Registrar,  
Punjab State Electricity Regulatory Commission,  
Site No. 3, Sector-18 A, Madhya Marg,  
Chandigarh.**

Memo. No. 5396 TR-5/1237 Dated 18/3/2024

**Subject: Submission of Power Cut petition for FY 2024-25 and draft Public Notices (in English and Punjabi) to Hon'ble PSERC.**

**Ref:- CE/PP&R office memo no. 322 dated 15.03.2024.**

Please find enclosed 7 No. sets of the subject cited petition and requisite affidavit along with draft Public Notices (in English and Punjabi) to be filed by PSPCL before the Hon'ble PSERC. Fee amounting to Rs. 20,000/- for filing the petition has been deposited through RTGS to PSERC bank account vide UTR no. SBIN124078559974 dated 18.03.2024.

Submitted for kind consideration of Hon'ble Commission, please.

DA/ As above

*H. Kaur*  
18/3/24  
**Chief Engineer /ARR&TR,  
PSPCL, Patiala.**

**BEFORE THE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION  
CHANDIGARH**

**PETITION NO. of 2024**

**IN THE MATTER OF:**

PETITION UNDER SECTION 23 OF THE ELECTRICITY ACT, 2003 FOR REGULATORY MEASURES TO BE TAKEN FOR THE TARIFF YEAR 2024-25.

**AND**

**IN THE MATTER OF:**

Punjab State Power Corporation Limited  
The Mall,  
Patiala - 147001

**AFFIDAVIT**

I, Er. Harmohan Kaur D/o S. Narinder Singh, working as CE/ARR&TR in PSPCL having office at F-4, Shakti Vihar, Patiala do solemnly affirm and state as follows:-

1. That I, as CE/ARR&TR of Punjab State Power Corporation Ltd., the Petitioner in the above matter, am duly authorized by the PSPCL to make affidavit on this behalf.
2. That the statement and facts incorporated in above noted petition are based on the information collected from concerned offices of the PSPCL and I believe them to be true.
3. That the contents of above noted petition are true to the best of my knowledge and I believe that no part of it is false and nothing has been concealed therein.
4. There is no other case pending before any other Forum or any other Court on the subject matter filed by PSPCL in the present petition.

Hkaur  
18/3/24  
**DEPONENT**

**VERIFICATION:**

I, the deponent above named do hereby verify that the contents of my above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

Verified at Patiala on this 18<sup>th</sup> day of March 2024.

Hkaur  
18/3/24  
**DEPONENT**

**BEFORE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION**

**CHANDIGARH**

**PETITION NO. OF 2024**

**IN THE MATTER OF**

**PETITION UNDER SECTION 23 OF THE ELECTRICITY ACT, 2003 FOR REGULATORY MEASURES TO BE TAKEN FOR THE TARIFF YEAR 2024-25.**

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**BEFORE THE PUNJAB STATE ELECTRICITY REGULATORY COMMISSION  
CHANDIGARH**

**PETITION NO. of 2024**

**IN THE MATTER OF:**

**PETITION UNDER SECTION 23 OF THE ELECTRICITY ACT, 2003 FOR  
REGULATORY MEASURES TO BE TAKEN FOR THE TARIFF YEAR 2024-25.**

**AND**

**IN THE MATTER OF:**

Punjab State Power Corporation Limited  
The Mall,  
Patiala - 147001

....Petitioner

**PETITION UNDER SECTION 23 OF THE ELECTRICITY ACT, 2003 SEEKING  
REGULATORY GUIDANCE FOR MEASURES TO BE TAKEN IN CASE OF  
EXIGENCIES LEADING TO POWER CUTS FOR THE TARIFF YEAR 2024-25.**

**MOST RESPECTFULLY SHOWETH:**

1. The present petition is being filed by the Petitioner, Punjab State Power Corporation Limited (herein after called **PSPCL**) under Section 23 of the Electricity Act, 2003 seeking regulatory guidance and concurrence of the Hon'ble Commission for the measures to be taken by PSPCL for load regulation and imposing power cuts in case of exigencies and system requirements.
2. PSPCL is hereby providing the basis, assumptions and projections of the elements constituting the determination of demand/Supply gap, the prevalent regulations being undertaken and their constraints, the extent of power regulatory measures required to be imposed on various categories of consumers in an equitable manner with an objective of ensuring quality power in the most economical and reliable manner and in compliance to National/State grid code during the year 2024-25.

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3. The endeavor of PSPCL as a distribution licensee is to ensure uninterrupted power supply to all its consumers and regulate the supply only in case of unavoidable exigencies. After incorporating the latest anticipated banking arrangements/short term purchase for the period FY 2024-25, the details of the anticipated demand and availability of electricity for the year 2024-25 is provided in the attachment marked as **Annexure A**.
4. It is stated that from the details in Annexure-A, PSPCL is presently expected to be just adequate in power availability for the year 2024-25. Depending upon the realization of anticipated banking arrangements/short term purchase etc., it is expected that the requirement to regulate supply to various categories of consumers and imposing power cuts would be as per real time demand/supply gap from May 24 to Sep 24 and minimal for the rest of the year, only to take care of unexpected events and circumstances.
5. The details of the applicable category of feeders - PR Circular 5/2003 dated 05-06-2003 is attached herewith and marked as **Annexure B**.
6. It is pertinent to mention that post grid collapse of 30 & 31-07-2012, the stringent grid regulations are applicable for deviation from the schedule which includes severe penalties in terms of high deviation charges. The availability of power has to be maintained around the running load at all the times for safeguard of the grid.
7. With the introduction of capping on volume limits on over drawl from the grid in the currently applicable deviation settlement mechanism, the violations beyond the specified limit attract severe penalties against over drawl from the system in real time operation as such the regulation of load through the implementation of the power regulatory measures may be necessitated on real time basis. Moreover, after applicability of new DSM regulation 2022 w.e.f 05-12-2022, DSM charges has been linked to the Ancillary Service Charges which are comparatively higher as compared to earlier DSM charges. By linking

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market clearing price of exchange with the DSM rate, the operation of power system on day to day basis has become more rigid and in case of sudden outages of power system elements, the power regulation may be the utmost requirement in the interest of safety of grid.

8. It is however stated that even in the general adequate scenario, the eventualities as mentioned below cannot be ruled out in the power system which may require regulation of load and supply:

- The two no. IPPs viz NPL Rajpura (2x700=1400 MW) and TSPL Talwandi Sabo (3x660 = 1980 MW) have large capacity units. The forced outage of these generating units for longer duration may necessitate the imposition of regulatory measures on the consumers.
- Any downward revision in the Central Sector schedule for longer duration on account of forced outage of Central Sector Generating Units, in which the State of Punjab has a major stake, may necessitate imposition of regulatory measures.
- A maximum demand of 3424 LUs and a peak demand of 15293 MW have been recorded on 24-06-2023 during the year 2023-24. During the year 2024-25, a projected unrestricted demand of around 16057 MW is being envisaged. With a full internal generation and any forced outage due to any unforeseen reasons & any limitation of the transmission/sub transmission network, may necessitate imposition of regulatory measures.
- At present, the existing ATC/TTC of Punjab has been fixed by NLDC as 9000/9500 MW respectively (**Annexure-C**) and with any reduction of internal generation due to forced outage may require the emergent imposition of Power regulatory measures during the year 2024-25 to keep the system running within the limitations of grid code.
- Any restrictions due to overloading of inter-regional lines may also necessitate load shedding within the state.

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- Any other contingency, where availability of power is not able to meet with the demand may also require regulating the load on the system on real time basis.
9. Under the Electricity Act, 2003 while the management of load is to be taken care of by the licensees, a provision in Section 23 enables the Hon'ble Commission to decide the principles and basis on which the regulation in power can be done, to the extent possible in case of exigencies and circumstances that may arise. Further, having a guiding principle for imposing regulatory measures in case of exigencies result in greater regulatory certainty.
10. In the circumstances mentioned above, PSPCL proposes the following regulatory measures to be taken in case it becomes imperative to impose power regulatory measures and impose power cuts:
- To regulate the supply by imposing power cut on feeders controlling supply to the 24 hours UPS/Urban-Industrial Cat-1/Main cities / District. Head Quarters.
  - To impose off day(s) on LS & MS category of industrial consumers fed from category 1, 2 & 3 feeders.
  - To restrict the drawl of the LS & MS category consumers (fed from category 1, 2 & 3 feeders) and continuous process (category 4) consumers to the extent required for safe & secure operation of grid during peak load hours as well as off-peak hours.
  - To regulate power supply to AP consumers.
  - Any other additional regulatory measures on any category of consumers in case of exigencies of outage of own/central sector generating units or transmission/sub transmission network of ISTS/ STU or any of the major grid elements ICTs etc.
  - The priority order of imposing power cuts/regulatory measures will generally be followed as under except for paddy season when the priority is to provide 8 hour uninterrupted power supply to agricultural sector:

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Priority Order for regulation of power supply to various categories of consumers.		Type of Regulatory Measure
1	AP Feeders	Power Cut (opening of Breakers from the Grid Substations for certain period in rotation depending on the requirement in real time) for safeguard of grid. Thereafter, all possible efforts will be made to compensate the AP supply within 24 Hrs.
2	UPS High loss Feeders	Power Cut (opening of Breakers from the Grid Substations for certain period in rotation depending on the requirement in real time)
3	Kandi Feeders & UPS Feeders	Power Cut (opening of Breakers from the Grid Substations for certain period in rotation depending on the requirement in real time)
4	Category-1 High loss Feeders	Restricting the drawl of the LS & MS category consumers <i>and/or</i> Imposing Off Days on LS & MS Category consumers to the extent required for safe & secure operation of grid <i>or</i> Power Cut (opening of Breakers from the Grid Substations for certain period in rotation depending on the requirement in real time)
5	Category-1 Feeders	Restricting the drawl of the LS & MS category consumers <i>and/or</i> Imposing Off Days on LS & MS Category consumers to the extent required for safe & secure operation of grid <i>or</i> Power Cut (opening of Breakers from the Grid Substations for certain period in rotation depending on the requirement in real time)
6	Category-2 Feeders	Restricting the drawl of the LS & MS category consumers <i>and/or</i> Imposing Off Days on LS & MS Category consumers to the extent required for safe & secure operation of grid
7	Category-3 Feeders	Restricting the drawl of the LS & MS category consumers <i>and/or</i> Imposing Off Days on LS & MS Category consumers to the extent required for safe & secure operation of grid
8	Category-4 feeders feeding continuous process status industrial consumers.	Restricting the drawl of the Continuous process consumers (including continuous process load) to the extent required for safe & secure operation of

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	grid
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Note: Depending upon the Real Time Requirements, various Permutation & Combinations may be used for bridging the gap in demand & supply owing to various exigencies explained above till some alternate arrangement is made.

11. It is stated that in the year 2024-25, the regulatory measures shall be imposed on the real time basis depending upon the real time gap in the demand and supply of power and other system constraints.
12. If any consumer(s) violates the power regulatory measures imposed by PSPCL, appropriate penalty ranging from Rs.100/KVA to Rs.500/KVA, as a deterrent, shall be levied on them to ensure compliance of power regulatory measures for safety of grid and keeping the system running within grid code limitations.
13. PSPCL shall however make its best endeavor not to impose any regulatory measures and shall on its part:
  - (a) impose minimum Scheduled Power Regulatory Measures/ Scheduled Power cuts for which an advanced notification will be published about the schedule of power cuts and regulatory measures in case of outages/exigencies for longer durations without any scope of alternate arrangement of power.
  - (b) unscheduled load shedding, if any, shall only be imposed during sudden outage of generating units or exigencies in the grid. Duration of such load shedding shall be kept to be as minimum as possible.
14. The Hon'ble Commission had passed orders dated 31-03-2023 for the year 2023-24 against Petition No. 09 of 2023 dealing with the regulatory measures to be taken when situation arises. The said orders dated 31-03-2023 are effective for the period till 31-03-2024.

**PRAYER:-**

In the facts and circumstances mentioned above, it is respectfully prayed that the Hon'ble Commission may be pleased to:

- (a) Admit and take on record the present petition filed by PSPCL on the regulatory measures proposed to be taken for the purpose of

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maintaining equitable distribution of power supply throughout the State of Punjab and to operate the grid in a safe & secure, economical and efficient manner in compliance to the IEGC/State Grid Code Provisions.

- (b) Provide guidance on the proposed regulatory measures and penalty as a deterrent for safe & secure operation of grid as detailed herein above and make such modifications in the proposal of PSPCL as the Hon'ble Commission may deem just.
- (c) Pass such other further order(s) as the Hon'ble Commission may deem just in the facts of the present case.

H. Kaur  
18/3/24  
Chief Engineer/ARR&TR,  
PSPCL, Patiala.

DA: Annexure-A to C