Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रास रोड बेंगलूर- 560 009	सत्यमेव जयते	Government of India Central Electricity Authority **Southern Regional Power Committee** 29, Race Course Cross Road Bengaluru-560 009
Email: mssrpc-ka@nic.in	Web site: www.srpc.gov.in	Phone:080-22282516
सं/No. SRPC/SE(O)/243rd OCC/2026-27/	दिनांक/ Date	**23.10.2026**

सेवा मे / To

संलग्न सूची के अनुसार/ As per the enclosed list

विषय: दक्षेविस की प्रचालन समन्वय उप - समिति की 243 वी बैठक के कार्यवृत्त के संबंध मे।

Subject: Minutes of the 243rd Meeting of Operation Coordination Sub- Committee -reg.

महोदय /महोदया / Sir/Madam

संलग्न, दिनांक **09 अक्टूबर 2026** को आयोजित दक्षिण क्षेत्रीय विदयुत समिति की प्रचालन समन्वय उप समिति की 243 वीं बैठक की कर्यवृत्त संलग्न है। यह दक्षेविस के वेबसाइट (www.srpc.gov.in) पर उपलब्ध है।

Enclosed, please find the Minutes of the **243rd Meeting of Operation Coordination Sub-Committee of SRPC held on 09th October 2026 through VC.** The same is available on SRPC website (www.srpc.gov.in).

The 244th Meeting of the Operation Coordination Sub-Committee of SRPC will be held on **11.11.2026 (Wednesday) through VC.**

भवदीय /Yours faithfully,

malini

(एन एस मालिनी / N S Malini)

अधीक्षक अभियंता/Superintending Engineer (O, P&C)

षिती सूची / Mailing List (Operation Coordination Sub-Committee SRPC)

1. Chief Engineer (GO), APTRANSCO, Vijayawada
2. Chief Engineer (Generation), APGENCO, Vijayawada
3. Chief General Manager (OCS, Civil, EA & CGRF works), APEPDCL, Visakhapatnam
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13. Chief Engineer (Generation), TGGENCO, Hyderabad
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15. Superintending Engineer - I, Electricity Department, Puducherry
16. General Manager (O&M), SRTS–I, PGCIL, Secunderabad.
17. General Manager (O&M), SRTS- II, PGCIL, Bengaluru.
18. General Manager (OS), SRHQ, NTPC, Secunderabad
19. AGM (EEMG), RSTPS, NTPC, Ramagundam
20. AGM(EEMG), Talcher STPS Stg - II, NTPC, Talcher
21. AGM (EEMG), Simhadri STPS, NTPC, Simhadri
22. AGM (EEMG), Kudgi STPS, NTPC, Kudgi.
23. General Manager, Telangana STPS, NTPC
24. General Manager(O&M), NTECL, Vallur
25. Chief General Manager, Neyveli TPS-II, Neyveli
26. General Manager, NNTPS, Neyveli
27. General Manager, TPS-I Expansion, Neyveli
28. General Manager, TPS-II Expansion, Neyveli
29. Chief General Manager (Ele), NLC Tamil Nadu Power Limited (NTPL), Tuticorin
30. Operation Superintendent, MAPS, Kalpakkam
31. STE (E&I), Kaiga G.S. Stage - I, Kaiga
32. STE (E&I), Kaiga G.S. Stage - II, Kaiga
33. Operation Superintendent, KKNPP, Kudankulam
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48. Director, GM Division, CEA, New Delhi
49. Director, NPC Division, CEA, New Delhi
50. Executive Director, NLDC, Grid-India, New Delhi
51. Executive Director, SRLDC, Grid-India, Bengaluru

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SOUTHERN REGIONAL POWER COMMITTEE (SRPC)

Minutes of the 243rd Meeting of Operation Coordination Sub-Committee (OCC) held on 09th October 2026

1. Introduction

1.1 The **243rd Meeting of the Operation Coordination Sub-Committee (OCC)** of the Southern Regional Power Committee (SRPC) was held on 09th October 2026 through video conference (List of Participants is enclosed at (***Annexure -1.1a***).

1.2 **Smt. Malini N S, SE (O, P & C), SRPC** warmly welcomed all the participants to the 243rd OCC Meeting and highlighted the prevailing operational challenges in the Southern Region. She observed that the Southern Region was experiencing sustained high-demand conditions due to deficient rainfall, high temperatures and resource inadequacy. Low system frequency was being observed during morning and evening peak hours. She emphasised the need for realistic Load Generation Balance (LGBs), generation scheduling based on resource availability and renewable generation, minimisation of schedule deviations, and strict adherence to grid discipline. The reported load shedding in the region, amounting to approximately 112.45 MU, with significant contributions from Kerala, Karnataka and Andhra Pradesh, was also highlighted. The States were requested to strengthen resource planning and demand-side management to minimise load shedding.

She emphasised that outage coordination had assumed greater importance under the prevailing high-demand conditions and was no longer merely a maintenance-planning exercise, but a critical aspect of grid security and resource adequacy. She stated that every proposed outage should be assessed considering demand, generation availability, inter-regional import capability, corridor loading, voltage profile, contingency requirements and the cumulative impact of simultaneous outages. Particular attention was required for critical generating units, ICTs, major transmission corridors and reactive power compensation equipment. Utilities were advised to submit complete outage proposals well in advance, adhere strictly to approved schedules, communicate any changes in scope or duration to SRLDC/SRPC, and ensure timely restoration of equipment. The feasibility of deferring or rescheduling planned outages should be reviewed whenever system conditions warranted.

She highlighted that imports into the Southern Region had reached approximately 20,000 MW during morning peak hours and nearly 22,000 MW during evening peak hours, underscoring the importance of maintaining adequate transmission margins and system security. She also referred to the discussions convened by CEA regarding partial outages and stressed the need for generating stations to maximise generation availability and avoid preventable outages, particularly during critical demand periods.

She informed the forum that AGC had been implemented at all Central Generating Stations in the Southern Region, while implementation at certain State generating stations remained pending due to issues relating to equipment procurement, SCADA upgradation, OEM support and integration with SLDC systems. The concerned State utilities were requested to expedite the pending works, furnish firm implementation timelines and ensure reliable telemetry and coordination between generating stations and SLDCs.

She drew attention to the multiple Automatic Under-Frequency Relay (AUFR) operations observed during September 2026, particularly when system frequency reached around 49.41–49.42 Hz. Instances of df/dt protection operation were also reported. She emphasised the need to verify the actual performance of these protection schemes against the approved settings and requirements.

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All concerned utilities were requested to update the master Google Sheet shared for this purpose, confirming feeder details, relay settings, implementation status, association with islanding schemes, and operation or non-operation during each of the eight identified events. The information was to be validated against relay records and disturbance data, wherever available, to facilitate comprehensive analysis and maintenance of an accurate protection database.

She highlighted the pending implementation of the stipulated 49.5 Hz under-frequency protection in the State-owned PSPs of TGGENCO and TNGECL. An instance dated 22.09.2026 was cited, when system frequency reached 49.45 Hz at around 18:21 hours while three Nagarjuna Sagar units were operating in pumping mode, drawing approximately 204 MW. The pumping units did not disconnect automatically, and the pumping load was stopped manually following verbal intimation from SRLDC. The concerned utilities were requested to expedite implementation of the prescribed protection, verify the relay settings and tripping logic, conduct functional testing, and furnish confirmation of compliance to SRPC/SRLDC.

She further emphasised that all utilities should ensure the health and readiness of protection systems, including AUFR, df/dt relays, inter-tripping arrangements and associated communication systems. Periodic testing, proper coordination of settings and preservation of event records were considered essential for effective protection performance and post-disturbance analysis.

She concluded by emphasising that the prevailing operating conditions required enhanced preparedness, disciplined outage planning and close coordination among generating stations, transmission utilities, SLDCs and SRLDC. All members were requested to participate actively in the deliberations, highlight operational constraints in advance and work towards practical, time-bound solutions to maintain the security and reliability of the Southern Region grid.

1.3 **Shri Asit Singh, Member Secretary, SRPC** welcomed all the participants to the 243rd OCC Meeting of SRPC.

He observed that all regions/states in country are facing unprecedented high demand situation. He requested all utilities to maximise generation, ensure adequate availability of coal stocks, reduce the partial outage in generating units, optimize the shutdown periods to the minimum possible upto May 2027 period. He hoped for a better monsoon season in 2027. He requested all states/utilities for cooperation, ensure adequate tie up for power, Resource Adequacy etc. in view of the upcoming summer peak demand season.

He acquainted the forum regarding the following meetings/workshops held:

1. A meeting was held by the PSPA-I Division on 02.09.2026 to discuss the upgradation of the Raigarh–Pugalur HVDC system to facilitate reverse power flow of up to 6,000 MW.
2. A meeting was held by SRPC on 16.09.2026 to review and deliberate upon the modalities for availing commissioning power for KKNPP Units-3 & 4 from KKNPP Units-1 & 2.
3. 2nd sitting of the 49th meeting of the CMETS-SR was held by CTUIL on 16.09.2026.
4. The 18th meeting of the National Power Committee (NPC) was held on 18.09.2026. MoM is awaited.
5. A joint site visit to Somanahalli and Hosur Substations was conducted on 17th and 18th September 2026 for finalisation of the bay options.
6. CEA review meeting on partial outages and forced outages of thermal power plants was held under the Chairperson, CEA, on 24.09.2026.

   Southern Region units are having high partial outage, which needs to be minimized.

7. A meeting was held by the PSPA-I Division, CEA, on 25.09.2026 to discuss issues related to the Kaiga evacuation lines. MOM was issued.

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8. Minutes of the meeting of the Standing Committee of the Experts to discuss the failure of 220 kV and above voltage level Transformers and Reactors during period of January, 2026 to June, 2026 was issued on 07.10.2026.

9. Minutes of the Meeting of Standing Committee of Experts to investigate the failure of 220 kV and above voltage level transmission line towers during the period of January, 2026 to June, 2026 was issued on 07.10.2026.

   All entities are requested to timely intimate failure of 220 kV and above voltage level Transformers and Reactors and failure of 220 kV and above voltage level transmission line towers to PSE&TD division, CEA.

10. A joint study meeting of SR constituents was held on 18th & 19th August, 2026 at CTUIL office, Gurugram in physical mode to discuss
    - Transmission system for grant of GNA to Bulk consumer applications at ISTS in Vizag area of Andhra Pradesh
    - Transmission system for grant of GNA to Bulk consumer applications at ISTS in Telangana
    - Transmission system for upcoming Data Centres demand under STU in Telangana

    The MOM was issued on 29.09.2026.

***He acquainted the forum regarding the following meetings/workshops scheduled*:**

1. The CERC Meeting on the Matter of Simultaneous Scheduling of Injection and Drawal of Power from Energy Storage Systems (PSPs/BESS), scheduled to be held on 08.10.2026, has been rescheduled.
2. The 2nd Meeting of the 21st Electric Power Survey Committee (EPSC), scheduled to be held on 07.10.2026 under the Chairmanship of the Chairperson, CEA has been rescheduled**.**
3. Special Meeting is being convened on 12.10.2026 with participation from concerned wings of WRPC, WRLDC, GOA SLDC, KPTCL, SRLDC, NLDC and SRPC to deliberate on Ambewadi–Ponda line load shifting on request of KPTCL in view of overloading of Narendra ICTs.
4. A two-day brainstorming event on "Making Indian Power Sector AI Enabled" is being organized by the Central Electricity Authority (CEA) in association with CBIP on 14th -15th October 2026 at New Delhi. Concerned entities are requested to participate.
5. CIGRE has requested nominations for the National Conference on "Women in Energy: Leading Change, Powering the Future," scheduled to be held on 16 October 2026 at New Delhi.

He apprised the forum regarding the following MoM issued:

a) Minutes of 48th Consultation Meeting for Evolving Transmission Schemes in Southern Region held on 29.07.2026 was issued on 18.09.2026.

***He explained the forum on the September 2026 month Grid Operation highlights*:**

- Grid operated within the IEGC frequency range for 68.81% of the time, below the IEGC range for 15.69% of the time, and above the IEGC range for 15.50% of the time. The frequency remained above 50 Hz for 44.65% of the time. The maximum and minimum frequencies recorded were 50.42 Hz and 49.41 Hz, respectively.

Regional demand:

- Year-on-Year (September-25 → September-26): The demand increased from **62274** MW to **76747** MW, **an increase of 14473 MW** (**23.24**%).

- Month-on-Month (August-26 → September-26): The total increased from **70328** MW to **76747** MW, **an increase of 6419 MW (9.13**%).

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State wise demand trends:

1. Andhra Pradesh: YoY increased from 12446 to 14639 MW (2193 MW, 17.62%), while MoM increased from 13957 to 14639MW (682 MW, 4.89%).
2. Telangana: YoY increased from 15906 to 19892 MW (3986 MW, 25.06%), MoM increased from 17288 to 19892 MW (2604 MW, 15.06%).
3. Karnataka: YoY increased from 14486 to 20094 MW (5608 MW, 38.71%), and MoM increased from 16894 to 20094 MW (3200 MW, 18.94%).
4. Kerala: increase YoY (4467 → 5440 MW, 974 MW, 21.80%) and MoM increased from 4861 to 5440 MW (579 MW, 11.92%).
5. Tamil Nadu: increase in YoY from 18386 to 21083 MW (2697 MW, 14.67%) and increased MoM from 20721 to 21083 MW (362 MW, 1.75%).
6. Puducherry: increase YoY from 506 to 546 MW (40 MW, 7.85%) and decrease in MoM from 551 to 546 MW (5 MW, 0.83%).

Regional energy consumption:

- Southern Region: Consumption **increased** by **7080 MU** (**20.45%) over the previous year** and slightly **decreased** by **205 MU** (**0.49%) over the previous month**.

State-wise energy consumption trends:

1. Andhra Pradesh: Consumption increased by 1195 MU (17.89%) year-on-year and decreased by 527 MU (6.27%) month-on-month
2. Telangana: Consumption increased by 1894 MU (26.93%) year-on-year and slightly decreased by 9 MU (0.11%) from the previous month
3. Karnataka: Consumption increased by 2751 MU (39.14%) year-on-year and increased by 839 MU (9.38%) month-on-month
4. Kerala: Consumption increased by 299 MU (11.99%) year-on-year and increased by 163 MU (6.21%) month-on-month
5. Tamil Nadu: Consumption increased by 918 MU (8.27%) year-on-year and decreased by 666 MU (5.25%) month-on-month
6. Puducherry: Consumption increased by 25 MU (8.37%) year-on-year and slightly decreased by 5 MU (1.49%) month-on-month

Reservoir Storage:

As on 05th October 2026, the reservoir storage in the Southern Region stood at 7615 MU, which is 5693 MU lower than the corresponding storage of 13308 MU during the previous year. The present storage is 48.79% of the total live storage capacity of 15,608 MU, indicating a significant year-on-year reduction in reservoir availability. So, it is a warning sign that hydro generation may not be continuously sustained upto/during the upcoming summer peak season**.**

He apprised the forum of the recent updates and developments from MoP, CEA, CERC, CTUIL:

Ministry of Power (MoP)

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1. MoP, vide letter dated 25.09.2026, has extended the directions issued under Section 11 of the Electricity Act, 2003 to Coastal Gujarat Power Ltd. (CGPL), an Imported Coal-Based (ICB) generating station, up to 31.12.2026.
2. MoP, vide letter dated 25.09.2026, issued Directions, under Section 11 of the Electricity Act, 2003, to generating companies owning Captive generating plants:
    a. Captive coal based generating stations of the installed capacity of 50 MW and above, shall operate and generate power to the maximum extent of their available capacity.
    b. The generators shall offer their available surplus generation, after meeting their own captive demand, through the power exchanges, in accordance with the applicable market regulations and procedures.
    c. The generators shall maintain adequate coal stock so as to ensure availability of fuel for operation of the plant and enable maximum generation.
    d. The generators shall submit a weekly report to the Central Electricity Authority indicating generation, captive consumption and sale of power through the power exchanges/other permitted avenues, along with details of available capacity and coa! stock, as may be prescribed.
    e. The above directions shall be applicable for the period from 1st October, 2026 till 31st December, 2026, taking into account the prevailing power demand-supply position and the requirement for ensuring adequate availability of power in the grid.

Central Electricity Authority (CEA)

1. The last date for submission of public comments on the Draft Central Electricity Authority (Technical Standards for Construction of Electric Plants and Electric Lines) (Second Amendment) Regulations, 2026 has been extended from 04.10.2026 to 15.10.2026.
2. CEA has prepared a draft list of Relevant Standards applicable under the Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2023, and the amendments thereof. All stakeholders and members of the public are requested to submit their comments on the draft List of Relevant Standards to CEA by 15.11.2026.
3. CEA issued Resource Adequacy Plan for Transmission System of Puducherry up to the year 2034-35. The system coming under ISTS scope will be taken up by CTUIL. The intra state network needs to be strengthened by Puducherry.

Central Electricity Regulatory Commission (CERC)

1. Draft Central Electricity Regulatory Commission (Indian Electricity Grid Code) (Second Amendment) Regulations, 2026 has been issued for stakeholder consultation. The last date for submission of comments and suggestions is 21.10.2026.

Central Transmission Utility of India Limited (CTUIL)

1. CTUIL, vide letter dated 14.09.2026, issued an advisory on the modalities for enhancement of energy storage capacity (MWh) of Battery Energy Storage System (BESS) projects that have already been granted connectivity by CTUIL.

1.4 **Shri V Govindaraj, Chief General Manager, SRLDC** welcomed all the members to the 243rd OCC Meeting.

He observed that during September 2026, during morning and evening peak hours lot of under frequency operations were observed. The demand growth in SR during August to October 2026 is in raising trend when compared with the demand trend during the same period in recent years, due to El Nino

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effect, the issue of high temperature and lesser rain is there during this year. Persistent overdrawal by the states was observed during September 26 during non-solar hours from 18:00 hrs to 24:00 hrs, despite advisories and real time intervention by SRLDC. On several days on the month, the frequency dipped to 49.4 - 49.5 Hz, with a minimum recorded frequency of 49.41 Hz. He requested states to adhere to schedules and maintain load generation balance, to ensure grid security.

He apprised the forum of the following aspects related to system performance during September 2026:

- Peak demand in September 2026 is **76746** MW (all time maximum) (around **9%** increase from August 2026 and around **25%** increase when compared with peak demand of September 2025) on 11-09-2026 and Maximum Energy consumption of **1481** MU (around **2%** increase from August 2026) was seen on 09-09-2026.
- Karnataka (20094 MW) and Telangana (19892 MW) recorded their all-time maximum demand during September 2026.
- Maximum Solar during September 2026 was **24924** MW at 10:41 hrs on 05-09-2026 (nearly **6**% increase from August 2026) and Maximum wind **15277** MW at 15:17 hrs on 23-09-2026 (nearly **11**% decrease from August 2026).
- Maximum Instantaneous **RE Penetration** in September 2026 is **52 %** on 24-09-2026.
- Maximum frequency of **50.42** Hz on **28-09-2026** and Minimum frequency of **49.41** Hz on **29-09-2026**. The frequency was within IEGC band for **68.81 %** of time, above 50.05 Hz for **15.51%** of time and less than 49.9 Hz for **15.68 %** of time.
- **16 GD-1 (5 - Tamil Nadu, 4 -Karnataka, 6 -Andhra Pradesh ,1 -Telangana) and 3 GI-1** in the month of September 2026.
- **637 MW SOLAR** capacity Addition commissioned in September 2026 (309.47 MW - SECI, Pavagada, 188.37 MW - Greenko, 66 MW - JSW Renew Energy Twenty Ltd(Pavagada), 61.6 MW -TP Saurya Ltd, Koppal, 11.27 MW- ZREPL).
- Total **140** ADMS instances (99 -Stage 1, 28 -Stages 2 and 13 -Stage 3) observed in September 2026.
- Significant frequency response events during the month – 1913 MW at NTPC Korba(WR), 1740 MW at Khavda RE generation complex (WR).
- 28 nos. of new elements were added including Udangudi Unit 1(TNPGCL), 14 ICTs/GTs/STs, 3 transmission lines, 10 BRs/LRs.

He requested states to adhere to schedules and maintain load generation balance, and necessary demand side management to ensure grid security.

2. Confirmation of the Minutes of 242nd Meeting of OCC

(i) The 242nd Meeting of OCC was held on 11.09.2026 physically at Hospet (Hampi), Karnataka.

(ii) The Minutes of the Meeting were issued on 25.09.2026.

The Minutes of the 242nd Meeting of OCC may please be confirmed.

3. Persistent Overloading of Critical ISTS Corridors in Tamil Nadu & Karnataka under High RE Injection Scenario (Follow up item)

a) The issue of persistent overloading of critical ISTS corridors/ICTs under high Renewable Energy (RE) injection scenarios in Tamil Nadu and Karnataka was deliberated in the 239th and 240th OCC Meetings and subsequently in the 58 SRPC–55 TCC Meeting. The matter was deliberated with regard to transmission augmentation, operational measures for managing RE injection and development of suitable operating procedures for addressing system constraints.

b) The following actions were concluded/reiterated during the 58 SRPC–55 TCC Meeting:

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Tamil Nadu

c) TANTRANSCO would formulate a long-term transmission strengthening plan to minimise intra-State renewable energy injection into the ISTS. TNSLDC would undertake appropriate InSTS curtailment, wherever required, to avoid inadvertent injection from the intra-State network into the ISTS resulting in transmission constraints.

d) POWERGRID and TANTRANSCO would jointly examine and implement a suitable solution for expediting the pending bay works at Abhishekpatti Substation, considering its significance for reliable grid operation and early commissioning of the Kanarpatty–Tirunelveli Line-II.
In 242nd OCC, it was concluded that TNSLDC/TANTRANSCO shall facilitate a common coordination platform involving TANTRANSCO higher management, SR-II POWERGRID, concerned RE developers and field-level officials for expediting the Abhishekpatti bay works. ***In the absence of such facilitation from TNSLDC/TANTRANSCO, no further coordination on the matter would be feasible at the OCC/SRPC Secretariat level and the agenda may be treated as closed***

e) TANTRANSCO would consider new RE connectivity applications only after ensuring adequate evacuation infrastructure and based on comprehensive transmission system studies, considering the impact on both the STU and ISTS networks.

f) SRLDC would prepare and circulate a generalized Standard Operating Procedure (SOP) covering the operational limits of critical transmission lines/transformers, system constraints, N-1 security, voltage management and corresponding operational actions, to facilitate timely and proactive system operation by TNSLDC under various grid conditions. Subsequently, SRLDC had shared the Draft SoP as below, needs to be discussed:

S.No	Overloaded element	Installed Capacity/Thermal limit	N-1 limit	Actions to be taken
1	400kV Madurai-Udumalpet S/c	850 MVA	775	TN shall restrict injection of power from 230kV side to 400kV side from Madurai & Tirunelveli to comply N-1 limits
2	400kV Madurai-Pugalur D/c	850 MVA per ckt	1400	TN shall restrict injection of power from 230kV side to 400kV side from Madurai & Tirunelveli to comply N-1 limits
3	400kV Tirunelvelli-Udumalpet D/c	850 MVA per ckt	1260	TN shall restrict injection of power from 230kV side to 400kV side from Tirunelveli to comply N-1 limits
4	400/230kV Madurai ICTs	2x315+1x500 MVA	930	TN shall restrict injection of power from 230kV side to 400kV side at 400/230kV Madurai S/s to comply N-1 limits
5	400/230kV Udumalpet ICTs	3x315 MVA	730	TN shall restrict injection of power from 230kV side to 400kV side at 400/230kV Udumalpet S/s to comply N-1 limits
6	400/230kV Tirunelvelli ICTs	2x315+1x500 MVA	700	TN shall restrict injection of power from 230kV side to 400kV side at 400/230kV Tirunelvelli s/s to comply N-1 limits

Karnataka

g) KPTCL would expedite the planned transmission strengthening projects for RE evacuation in Karnataka and develop adequate transmission infrastructure for evacuation of about 11 GW of RE from North Karnataka without significant reverse power flow into the ISTS.

h) KAR SLDC would proactively monitor grid conditions and undertake appropriate operational measures, including RE curtailment wherever required, for managing N-1 security, thermal loading, voltage profile and other operational constraints.

TNSLDC/TANTRANSCO, KAR SLDC/KPTCL & SRLDC may update the forum.

Deliberations:

a) Tamil Nadu:

Draft SoP prepared by SRLDC for timely action by TN SLDC

i) SRLDC explained the draft SoP, outlining the thermal and N-1 limits of critical transmission elements and the corresponding operational actions to be taken by TN SLDC on the 230 kV side for the following elements: Madurai–Udumalpet S/c, Madurai–Pugalur D/c, Tirunelveli–Udumalpet D/c, and ICTs at Madurai, Udumalpet and Tirunelveli.

j) TN SLDC agreed with the draft SoP shared by SRLDC and confirmed that the prescribed actions would be taken whenever constraints arise on the 230 kV side.

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Conclusion: The Forum approved the SoP shared by SRLDC, covering the operational limits of critical transmission lines and transformers, system constraints, N-1 security, voltage management and corresponding operational actions, to facilitate timely and proactive system operation by TN SLDC under varying grid conditions.

Progress of Bay works at Abhishekpatti Substation:

k) SR-II, POWERGRID, informed that SCADA, PLCC, foundation equipment and the breaker diverted by POWERGRID for the bay had been received at site. However, payments from TNEB had been pending since May 2026, delaying subsequent payments to vendors. Despite repeated follow-ups with the EE offices at Tirunelveli and Madurai, and TNEB Headquarters, Chennai, no progress had been made in clearing the pending payments.

l) POWERGRID further clarified that, upon receipt of timely payments, the bay could be commissioned tentatively by January 2027, as assured in the earlier meetings.

m) TN SLDC informed that, after consulting its higher management, the specific payment date would be communicated to POWERGRID, tentatively within a week.

Conclusion: The Forum expressed concern over the delay in payments and emphasized the need for timely clearance to ensure completion of the work within the scheduled timeline

b) Karnataka:

It was informed that all constraints pertaining to Karnataka had been brought to the attention of CEA during the recent visit of Chairperson, CEA, to SRLDC.

KPTCL agreed to adhere to the above advisories by expediting the planned transmission strengthening projects for RE evacuation in Karnataka, developing adequate transmission infrastructure for evacuation of about 11 GW of RE from North Karnataka without significant reverse power flow into the ISTS, and ensuring that KAR SLDC proactively monitors grid conditions and undertakes appropriate operational measures, including RE curtailment wherever necessary, to maintain N-1 security, manage thermal loading and maintain the voltage profile within permissible limits.

4. ADMS and AUFR Operations during the September 2026 month (SRLDC Agenda)

ADMS Operations

As per clauses 36 (2) of IEGC, SLDC, in coordination with STU and Distribution Licensee (s), shall develop Automatic Demand Management scheme with emergency controls at SLDC.

CERC order dated 11.09.2023 in Petition No. 132/MP/2022 in the matter of over drawl from the grid by regional entities leading to insecure operation of the grid and other associated matters had directed the respondent SLDCs to ensure Automatic Demand Management System (ADMS) is in place in accordance with the Grid Code with appropriate feeders mapping to get the desired load relief. If the ADMS is in implementation stage in any State, then till the time of implementation of ADMS, manual load shedding of radial feeders identified by SLDCs which shall be done with concerned SLDCs instructions without any delay during emergency conditions, shall be shared with SRLDC.

It is observed that large number of ADMS instances occurred during the month September 2026. The breakup of State wise and Stage wise ADMS instances is shown below:

State	No. of Stg-I ADMS instances	No. of Stg-II ADMS instances	No. of Stg-III ADMS instances
Andhra Pradesh	23	7	3
Karnataka	16	4	1
Telangana	13	1	
Kerala	31	8	5
Tamil Nadu	20	7	4

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Total	103	27	13

Table 1

All the States are requested to share the healthiness of ADMS schemes/system installed in their State and share the information regarding the relief observed against each instance. In addition to that, it is requested to share the SCADA Snaps just before and just after the operation of each ADMS instance.

AUFR/df/dt Operations

Multiple instances of UFR operation informed during September 2026. The list of informed AUFR/df/dt instances are as below:

Sl. No	UFR Operation Date and Time	Lowest Frequency as per PMU in Hz
1	29-09-2026 at 17:53 Hrs	49.41
2	29-09-2026 at 18:19 Hrs	49.41
3	29-09-2026 at 18:39 Hrs	49.41
4	21-09-2026 at 18:44 Hrs	49.41
5	21-09-2026 at 18:17 Hrs	49.41
6	19-09-2026 at 18:36 Hrs	49.42
7	16-09-2026 at 18:38 Hrs	49.42
8	16-09-2026 at 18:24 Hrs	49.42
9	15-09-2026 at 18:41 Hrs	49.41
10	15-09-2026 at 18:33 Hrs	49.41
11	11-09-2026 at 18:38 Hrs	49.42

Table 2

Actions to be taken:

ADMS Operations

- SLDCs shall confirm the **healthiness/readiness of the ADMS scheme**, including feeder mapping and communication.
- State-wise load relief achieved against each ADMS operation shall be furnished to SRLDC.
- SCADA snapshots immediately before and after each ADMS operation shall be shared with SRLDC for verification.
- Any deficiencies observed in ADMS operation shall be identified and rectified on priority.

AUFR/df/dt Operations

- SLDCs shall confirm the healthiness and readiness of the AUFR/df/dt scheme.
- Details of load relief achieved against each AUFR/df/dt operation shall be furnished to SRLDC.
- SLDCs shall verify the actual frequency and adequacy of relief for the reported instances and take corrective action, wherever required.
- The performance of AUFR/df/dt schemes shall be reviewed periodically to ensure reliable operation during grid emergencies.

Deliberations on ADMS operations

1. Number of instance of ADMS operation

SRLDC apprised that the grid frequency remained on the lower side for a considerable period during September 2026, coinciding with instances of overdrawal. It was observed that the number of ADMS operations during the month was the highest recorded so far.

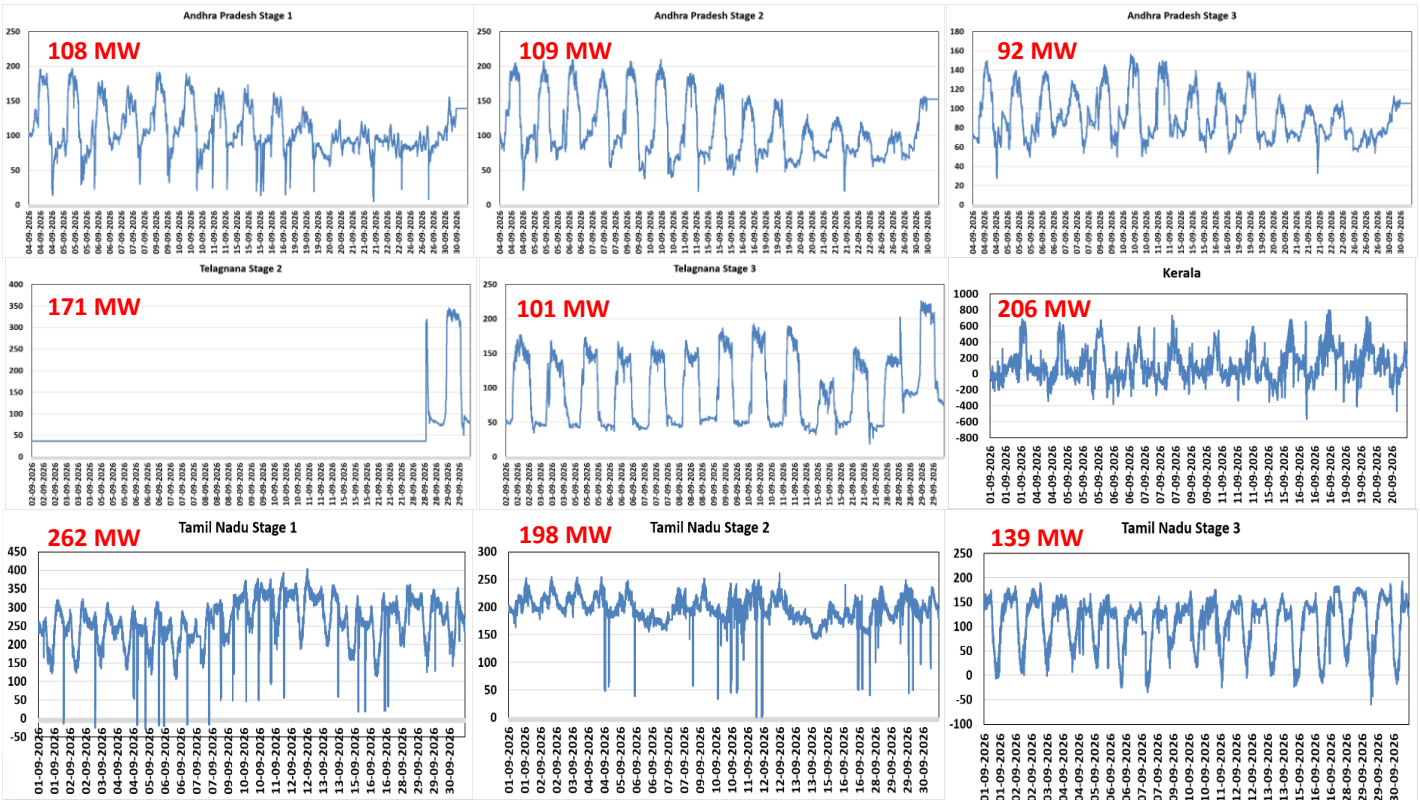
Based on the feedback received from the respective SLDCs regarding instances where the ADMS logic was not met, SRLDC presented the revised number of ADMS operations during September 2026, as given below:

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STATE	Stage1	Stage2	Stage3
SLDC APTRANSCO	23	8	3
SLDC KPTCL	16	4	1
SLDC KSEB LTD	8	1	0
SLDC TANTRANSCO	32	8	5
SLDC TGTRANSCO	20	7	4
TOTAL	**99**	**28**	**13**

2. Loading on ADMS-configured feeders

SRLDC presented the average loading of ADMS-configured feeders on days when ADMS operations were observed as follows:



The following observations were made:

a) In Andhra Pradesh, the loading on the identified feeders was close to 200 MW during the morning hours. However, the loading was lower during the evening and early morning hours, and the intended load relief of 200 MW may not be achieved during these periods.

b) Similar issues of low loading on ADMS-configured feeders were observed in Telangana.

c) Accordingly, AP SLDC and TG SLDC were advised to identify additional feeders to ensure adequate load relief throughout the day.

d) Kerala and Tamil Nadu were observed to have sufficient loading on their identified ADMS-configured feeders.

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e) In Karnataka, the loading on individual feeders could not be calculated, as KAR SLDC follows the Round-Robin method.

AP SLDC informed that the identification of additional feeders to achieve the recommended load relief under AUFLS had been finalised during the first week of October 2026. It was stated that additional feeders would be identified for ADMS to achieve the desired relief, without overlap with other protection schemes. The process was expected to be completed by the end of October 2026.

TG SLDC informed that the ADMS scheme had been reconfigured on 22.09.2026, involving changes to the feeders and a review of the Group-A and Group-B lists. It was further stated that ADMS had operated satisfactorily during the events on 28.09.2026 at 16:27 hrs and on 04.10.2026, providing load relief of more than 200 MW.

3. Review of state-wise ADMS operations

SRLDC presented the ADMS occurrences during September 2026 as follows:

Telangana

Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
02-09-2026 Stg-I 05:21 Hrs, Stg-II 05:31 Hrs.		759, 899		
03-09-2026 Stg-I 06:23 Hrs.		829		
05-09-2026 Stg-I 06:22 Hrs, Stg-II 06:32 Hrs.		861, 1007		
06-09-2026 Stg-I 06:27 Hrs.		519		
07-09-2026 Stg-I 18:54 Hrs.		1002		
08-09-2026 Stg-I 06:52 Hrs.		397		
09-09-2026 Stg-I 06:20 Hrs, Stg-II 06:30 Hrs.		990, 1183		
09-09-2026 Stg-I 17:49 Hrs.		1075		
10-09-2026 Stg-I 06:50 Hrs.		848		
11-09-2026 Stg-I 05:59 Hrs.		377		

Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
11-09-2026 Stg-I 06:19 Hrs, Stg-II 06:29 Hrs & Stg-III 06:39 Hrs.		936, 1297 & 1458		
11-09-2026 Stg-I 06:59 Hrs.		1282		
15-09-2026 Stg-I 18:46 Hrs.		313		
21-09-2026 Stg-I 16:51 Hrs.		1035		
21-09-2026 Stg-I 18:32 Hrs, Stg-II 18:42 Hrs & Stg-III 18:52 Hrs.	58,30	657, 555 & 712	Partial	Few feeders didn't trip
21-09-2026 Stg-I 21:11 Hrs.	65	256	Yes	Few feeders didn't trip
28-09-2026 Stg-I 06:22 Hrs.	272	408	Yes	
28-09-2026 Stg-I 18:31 Hrs, Stg-II 18:41 Hrs & Stg-III 18:51 Hrs.	121	345, 489 & 336	Partial	Stage 1 operated late
29-09-2026 Stg-I 18:24 Hrs, Stg-II 18:34 Hrs & Stg-III 18:44 Hrs.	26	1080, 1043 & 707	Partial	Few feeders didn't trip
29-09-2026 Stg-I 19:01 Hrs.		445		

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Karnataka

Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
03-09-2026 Stg-I 17:53 Hrs.		348		Down Time taken for testing of new SCADA
06-09-2026 Stg-I 04:23 Hrs, Stg-II 04:33 Hrs.	76.3,254.4	525, 478	No	
06-09-2026 Stg-I 05:39 Hrs, Stg-II 05:49 Hrs.	80.6	496, 406	No	
08-09-2026 Stg-I 06:52 Hrs.	141.1	578	No	
09-09-2026 Stg-I 06:31 Hrs.		909	No	Did not Operate
09-09-2026 Stg-I 17:49 Hrs.		1466		Down Time taken for testing of new SCADA
09-09-2026 Stg-I 18:53 Hrs.		1368		Down Time taken for testing of new SCADA
10-09-2026 Stg-I 06:35 Hrs, Stg-II 06:45 Hrs.		590, 837		Down Time taken for testing of new SCADA

Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
10-09-2026 Stg-I 18:26 Hrs.		625		Down Time taken for testing of new SCADA
10-09-2026 Stg-I 18:49 Hrs.		449		Down Time taken for testing of new SCADA
11-09-2026 Stg-I 18:34 Hrs, Stg-II 18:44 Hrs, Stg-III 18:54 Hrs.		908, 883, 667		Down Time taken for testing of new SCADA
16-09-2026 Stg-I 18:28 Hrs.		444		Down Time taken for testing of new SCADA
19-09-2026 Stg-I 16:54 Hrs.		563		Down Time taken for testing of new SCADA
29-09-2026 Stg-I 17:59 Hrs.		565		Down Time taken for testing of new SCADA
29-09-2026 Stg-I 18:32 Hrs.		399		Down Time taken for testing of new SCADA
29-09-2026 Stg-I 19:18 Hrs.		391		Down Time taken for testing of new SCADA

Andhra Pradesh

Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
04-09-2026 Stg-I 18:53 Hrs, Stg-II 19:03 Hrs & Stg-III 19:13 Hrs.		871, 746 & 482	No	
04-09-2026 Stg-I 18:53 Hrs, Stg-II 19:03 & Stg-III 19:13 Hrs.		871, 746 & 482	No	
05-09-2026 Stg-I 18:49 Hrs.		1502	No	
05-09-2026 Stg-I 19:25 Hrs.		1719	No	
06-09-2026 Stg-I 05:47 Hrs.		574	No	
06-09-2026 Stg-I 06:27 Hrs.		269	No	
07-09-2026 Stg-I 18:54 Hrs.		743	No	
09-09-2026 Stg-I 06:20 Hrs.		408	No	
09-09-2026 Stg-I 17:49 Hrs.		722	No	
09-09-2026 Stg-I 18:53 Hrs.		626	No	
10-09-2026 Stg-I 1750 Hrs.		964	No	
11-09-2026 Stg-I 18:34 Hrs, Stg-II 18:44 & Stg-III 18:54 Hrs.		821, 660 & 599	No	

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Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
15-09-2026 Stg-I 18:40 Hrs, Stg-II 18:50 Hrs.		668, 390	No	
15-09-2026 Stg-I 22:22 Hrs.		778	No	
16-09-2026 Stg-I 00:32 Hrs.	68.2	485	Yes	Few feeders didn't trip
16-09-2026 Stg-I 18:36 Hrs, Stg-II 18:46 Hrs.	57	450, 394	Yes	Stage 2 not operated due to delay in Stage 1
16-09-2026 Stg-I 22:24 Hrs, Stg-II 22:34 Hrs.	69.5	695, 534	Yes	Stage 2 not operated due to delay in Stage 1
19-09-2026 Stg-I 17:53 Hrs,	68.2	1091	Yes	Few feeders didn't trip
20-09-2026 Stg-I 00:21 Hrs.		992		not operated due to inherent delay
21-09-2026 stg-I 18:22 Hrs, Stg-II 18:32 Hrs & Stg-III 18:42 Hrs.	62.3,55.4,24.6	812, 980 & 984	Yes	Few feeders didn't trip
22-09-2026 Stg- I 17:55 Hrs.	68.9	803		
26-09-2026 Stg-1 15:49 hrs, Stage-II 15:59 hrs	83.9	938, 771	Yes	Stage 2 not operated due to delay in Stage 1
30-09-2026 Stg-I 18:45 Hrs. Stg-II 18:55 Hrs.		451, 254	No	

Tamil Nadu

Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
01-09-2026 Stg-I 05:20 Hrs, Stg-II 05:30 Hrs.		351, 346	No	
01-09-2026 Stg-I 06:23 Hrs, Stg-II 06:33 Hrs & Stg-III 06:43 Hrs.		923,885,890	No	
01-09-2026 Stg-I 19:22 Hrs.		366	No	
02-09-2026 Stg-I 00:19 Hrs	260	324	Yes	
03-09-2026 Stg-I06:23 Hrs.	288	598	Yes	
04-09-2026 Stg-I 18:53 Hrs, Stg-II 19:03 Hrs & Stg-III 19:13 Hrs.		1022, 1591 & 1429	Partial Yes	Not able to validate
05-09-2026 Stg-I 06:30 Hrs.	293.1	411	Yes	
05-09-2026 Stg-I 19:25 Hrs.	287	900	Yes	
06-09-2026 Stg-I 22:24 Hrs.	282.1	435	Yes	
07-09-2026 Stg-I 19:01 Hrs.	325.1	476	Yes	
09-09-2026 Stg-I 06:20 Hrs, Stg-II 06:30 Hrs.	266.5,121	1058, 938	Yes	
09-09-2026 Stg-I 17:49 Hrs.		546	No	
09-09-2026 Stg-I 18:53 Hrs.	218.6	1125	Yes	
10-09-2026 Stg-I 06:28 Hrs, Stg-II 06:38 Hrs & Stg-III 06:48 Hrs.		778, 782 & 572	No	
10-09-2026 Stg-I 8:26 Hrs.		1013	No	
10-09-2026 Stg-I 18:49 Hrs.		616	No	

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Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
11-09-2026 Stg-I 06:19 Hrs, Stg-II 06:29 Hrs & Stg-III 06:39 Hrs.	239.8,69,102.3	559, 678 & 952	Yes	Trip signal not extended from server. and Link disable for one feeder
11-09-2026 Stg-I 06:56 Hrs.		908	No	
11-09-2026 Stg-I 18:34 Hrs, Stg-II 18:44 Hrs & Stg-III 18:54 Hrs.		1702, 1078 & 1300	No	
11-09-2026 Stg-I 20:47 Hrs.		427	No	
12-09-2026 Stg-I 09:21 Hrs.		868	No	
13-09-2026 Stg-I 22:46 Hrs.	258.12	501	Yes	
15-09-2026 Stg-I 17:55 Hrs.	265.5	564	Yes	
16-09-2026 Stg-I 00:32 Hrs.	203.7	782	yes	
16-09-2026 Stg-I 19:01 Hrs.Stg-II 19:11 Hrs. Stg-III 19:21 Hrs	264.4,223.2,98.2	1242	Yes	
16-09-2026 Stg-I 22:24 Hrs.	248	479	yes	
28-09-2026 Stg-I 06:22 Hrs, Stg- II 06:32 Hrs.		716, 491	No	
28-09-2026 Stg-I 17:54 Hrs.		914	No	
29-09-2026 Stg-I 17:52 Hrs.	116.7	704	Yes	Trip signal not extended from server.
29-09-2026 Stg-I 19:17 Hrs.	258.7	644	Yes	
30-06-2026 Stg-I 06:36 Hrs.	112	526	Yes	Trip link is in removed condition. Load transferred to Sathumadurai SS.

Keralam

Date & Time/ Stage	Relief Observed (As per state)	Deviation at the time of expected relief (MW)	SCADA Snapshot	Remarks
01-09-2026 Stg-I 19:22 Hrs.	400	158	Deviation and Frequency	Manual
04-09-2026 Stg-I 19:12 Hrs.	250	260	Deviation and Frequency	Manual
07-09-2026 Stg-I 18:54 Hrs.	200	230	Deviation and Frequency	Manual
09-09-2026 Stg-I 06:31 Hrs.	79	246	Deviation and Frequency	Manual
15-09-2026 Stg-I 19:31 Hrs.		186		
15-09-2026 Stg-I 22:22 Hrs		369		
16-09-2026 Stg-I 22:24 Hrs, Stg-II 22:34 Hrs.	70,25	568, 564	Deviation and Frequency	
19-09-2026 Stg-I 18:38 Hrs.	45	225	Deviation and Frequency	

KAR SLDC informed that, as part of the ongoing commissioning of the new SCADA system, the existing SCADA system was being taken out of service for a certain period each day after the completion of the morning peak hours. The commissioning activities were targeted to be completed by the first week of November 2026. Consequently, the load relief achieved during the SCADA downtime could not be quantified.

In view of the ongoing commissioning activities, SRLDC and SRPC requested KAR SLDC to undertake manual operation of ADMS, similar to the practice followed in Keralam, during the SCADA downtime to ensure the intended load relief.

SRLDC further observed that the load relief achieved in Andhra Pradesh, Telangana and Karnataka was significantly lower compared to the respective State deviations. The need to ensure effective operation of ADMS and adequate load relief during grid disturbances was emphasised.

4. Submission of ADMS operation reports and monitoring arrangements

SRLDC highlighted that, although details of ADMS instances were being shared with the SLDCs on the following day, the corresponding details from the SLDCs were generally being received only on the day preceding the OCC meeting. This was causing difficulties in the timely consolidation and analysis of the information.

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Conclusion/Action Points

MS, SRPC emphasised the importance of ensuring the healthiness and effective operation of ADMS, particularly in view of the increase in ADMS events during September 2026 and the anticipated continuation of stressed grid conditions in the coming months. Accordingly, the following were requested:

1. SLDCs to submit reports on ADMS instances on a weekly basis, by Tuesday of the following week, to facilitate timely consolidation and review by SRPC/SRLDC.
2. Feeders identified and configured under ADMS to be mapped in the respective SCADA systems, and the corresponding link extended to SRLDC.
3. SLDCs (AP and TG) to ensure sufficient loading on ADMS-configured feeders round-the-clock to achieve the intended load relief whenever the scheme operates.
2. KAR SLDC to undertake manual operation of ADMS during SCADA downtime associated with the commissioning of the new SCADA system, to ensure the intended load relief.
3. All SLDCs to verify the healthiness and readiness of ADMS, including feeder mapping and communication, and address deficiencies in operation on priority.

Deliberations on AUFR/df/dt operations

SRLDC presented the details of UFR operations, based on the information received through emails and the details filled in Google Sheet as follows:

UFR or df/dt Operation	Lowest Frequency as per PMU in Hz	AP	Karnataka	Kerala	TN	Pondy	TG
29-09-2026 at 17:53	49.41	55					
29-09-2026 at 18:19	49.41	86					
29-09-2026 at 18:39	49.41						
21-09-2026 at 18:17	49.41	83	112	82	57		75
21-09-2026 at 18:44	49.41		63	83	21		
19-09-2026 at 18:36	49.42	96	124	86	146		29
16-09-2026 at 18:24	49.42	12	78	49	142		15
16-09-2026 at 18:38	49.42	80	104	49	19		
15-09-2026 at 18:41	49.41	74	15	49	26		37
15-09-2026 at 18:33	49.41	85	96	77	228		186
11-09-2026 at 18:38	49.42	84	271	84			15

SRLDC apprised the forum that a Google Sheet had been created as a common repository for maintaining details of the AUFR scheme, and the link had been shared with the respective SLDCs. The repository was intended to capture essential details such as the feeders identified under AUFR, the declared load relief for each feeder, the relay set point (49.40 Hz or 49.41 Hz), the make of the relay, the operation status during each AUFR instance and the actual load relief achieved whenever the scheme operated.

SRLDC provided an overview of the repository during the meeting and explained the details to be furnished by the constituents. SRPC and SRLDC requested all SLDCs to update the Google Sheet with complete details of AUFR operations.

It was emphasised that a meaningful assessment of the AUFR scheme would require accurate information regarding relay set points and the actual operation status during each instance. Such analysis is essential for assessing the effectiveness and healthiness of the scheme and for recommending any changes, particularly with regard to relay set points. Accordingly, the constituents were requested to ensure that the required details were furnished for proper scrutiny and analysis.

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MS, SRPC further highlighted that, as stipulated under the AUFLS scheme, the daily report of any AUFLS operation need to be shared with SRPC and SRLDC on the following day. The concerned SLDCs were also requested to ensure that the corresponding details were updated in the Google Sheet as well.

Action Points

1. SLDCs are requested provide the details of AUFLS operation in the google sheet share by SRLDC
2. SLDCs are requested to share the daily report of AUFLS operation, whenever the scheme operates, with SRPC and SRLDC on the following day.
3. The performance of AUFLS scheme may be reviewed in the next OCC meeting based on the details furnished by SLDCs

5. Status of REMC Project in SR SLDCs (SRLDC Agenda item)

The REMC project in the Southern Region was commissioned in 2020. The current status of project completion at the respective SLDCs is as follows:

Name of SLDC	AMC completion date	Remarks as on 74th COMSR
Tamil Nadu	31.01.2027	Forecasting tool in use. Extension of 2 years proposed. Discussion under progress with vendor.
Andhra Pradesh	13.01.2027	Forecasting tool in use. An extension of 1 year is proposed.
Karnataka	13.02.2027	Forecasting & Scheduling tool in use. Extension under discussion with management
Telangana	17.01.2031	Forecasting tool in use. Currently project is in maintenance phase

The concerned SLDCs are requested to provide an update on the action plan for the continued use of the REMC system for grid operations, RE scheduling, and forecasting requirements. Further, SLDCs are requested to confirm the data acquisition of telemetry from RE stations through the REMC system.

Action to be taken

- Concerned SLDCs shall furnish the action plan for continued use and sustenance of the REMC system for grid operations, RE scheduling and forecasting.
- SLDCs shall confirm the status of AMC/extension and the proposed timeline for ensuring uninterrupted availability of the REMC system.
- SLDCs shall confirm telemetry/data acquisition from RE stations through the REMC system, including the present coverage/status.
- Any gaps in telemetry, forecasting or scheduling functionality shall be identified and a time-bound rectification plan furnished to SRLDC.

Deliberations:

Name of SLDC	AMC completion date	243rd OCC Update
Tamil Nadu	31.01.2027	Forecasting tool in use. Extension of 2 years proposed. Discussion under progress with vendor. For providing Telemetry data, discussion with RE promotors is ongoing.
Andhra Pradesh	13.01.2027	In-house Forecasting tool is under development. No extension proposed. The telemetry data to REMC would be taken from SCADA.

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Karnataka	13.02.2027	Tender for extension (for forecasting and Scheduling tool) by 1 year would be floated shortly. The Telemetry data to REMC would be taken from SCADA.
Telangana	17.01.2031	Forecasting tool in use. Currently project is in maintenance phase.

Conclusion:

- The respective SLDCs may undertake the integration of SCADA telemetry data with the REMC.
- Forecasting and scheduling tools may be developed in-house by the respective SLDCs or maintained through an AMC.

6. Continuation *of WAMS Infrastructure at SLDC Control Centres beyond URTDSM Phase-I AMC*

The URTDSM Phase-I AMC is scheduled to expire on 31st January 2027. During the 68th COMSR Meeting, SRTS-I informed that a provision for an additional two-year extension is available under the existing contract and that the matter would be taken up with the OEM. It was also informed that URTDSM Phase-II has been approved only for the RLDC/NLDC portion. The action plan for upgrading the Control Centre portion of the URTDSM infrastructure at the SLDCs is yet to be finalized. In view of the above, the respective SLDCs are required to take necessary measures to ensure the continued operation, maintenance and availability of the WAMS infrastructure at their Control Centers beyond the expiry of URTDSM Phase-I AMC.

During the 73rd COMSR meeting, KARSLDC, APSLDC and TNSLDC informed that the matter would be discussed internally with their respective managements and that an update would be provided to the forum. However, TGSLDC, KSEBL are yet to provide their response in this regard. All SLDCs are requested to update their action plan for Control Centre portion of the WAMS infrastructure.

➢ ***SLDCs may respond***

Deliberations:

URTDSM Phase-I AMC:

- ULDC, POWERGRID representative informed that discussions are underway with the OEM for a two-year extension of the AMC under the same terms and conditions as the original contract. The OEM's consent is awaited.

Status of upgrading the Control Centre portion of the URTDSM infrastructure at the SLDCs:

Name of SLDC	243rd OCC Update
APSLDC	The matter regarding WAMS infrastructure has been brought to the management's attention. However, no guidance or directions have been received from the management so far.
SLDC KPTCL	The issue is under discussion with the management.
TNSLDC	The issue was discussed by the P&C wing of TNSLDC with higher management. The update would be furnished in the upcoming PCSC meeting.
TGSLDC	The matter will be taken up with higher management.
KSEBL	The issue is under discussion with the management.

Conclusion:

- SLDCs may apprise their managements and action plan may be communicated.

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- The data availability to SRLDC needs to be ensured by the SLDCs.
- The matter would be taken up in upcoming COMSR and OCC meeting.

7. PGCIL Agenda: Proposal for replacement of 7 Nos 400KV reactors and 5 Nos of transformers based on asset ageing under Add-Cap (Follow up item)

a) The proposal for replacement of 7 Nos. of 400 kV reactors and 5 Nos. of transformers based on asset ageing was deliberated in the 237th and 240th OCC Meetings and subsequently in the 55th TCC and 58th SRPC Meetings, CCM meeting held on 24th August 2026 and also later in the 242nd OCC meeting held on 11th September 2026.

- **POWERGRID/SRLDC/CTUIL** to brief the status of examination of the **RLA studies and technical justification** for replacement of the proposed reactors and ICTs.
- **SR constituents** to furnish their observations, if any, on the studies/proposal for further examination by SRPC.
- **POWERGRID/CTUIL** to update the status of finalization of **FSC compensation requirement for the Cuddapah–Nagarjunasagar (PG) 400 kV 2×S/C line** and the consequent reactor replacement requirement.
- **Final equipment ratings, configuration and switchable/convertible arrangement**, wherever technically feasible, to be finalized based on the system studies.
- **POWERGRID** to indicate the further course of action, including **cost estimates and proposed implementation schedule**, for consideration in the OCC/CCM and subsequently TCC/SRPC.
- ***SLDCs/SRLDC/POWERGRID/CTUIL may update the status/observations***

Deliberations:

SE(O), SRPC stated the following:

- Replacement of following 5 ICTs was approved:

ICT	Existing Rating (MVA)	To be upgraded with (MVA)
Visakhapatnam (Gazuwaka) ICT - I	315	500
Hyderabad (Ghanapur) ICT - II	315	500
Munirabad ICT - I	315	500
Nagarjunasagar (PG) ICT - I	315 (3x105)	500
Cuddapah ICT - I	315	500

- Replacement of following 5 LRs was approved:

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LR	Existing Rating (MVAR)	To be upgraded with (MVAR)
400 kV Nellore (PG)–Vijayawada –I at Nellore (PG) end	50	80
400 kV Khammam (PG)–Warangal at Khammam (PG) end	50	50
400 kV Nagarjunasagar (PG)–Ramagundam – II at Nagarjunasagar (PG) end	50	63
400 kV Nagarjunasagar (PG)–Mehboobnagar at Nagarjunasagar (PG) end	63	80
400 kV Munirabad–RTPS at Munirabad end	63	80

It was also decided that POWERGRID shall implement all the agreed line reactors as switchable and convertible

- The replacement of line reactors on these lines (Cuddapah–Nagarjunasagar (PG) 400 kV 2×S/C line) may be taken-up upon finalization of issue of FSCs (Refer to the CTUIL joint study minutes dated 10.09.2026)

➢ MS, SRPC stated that a decision had been taken regarding the retention or removal of the FSCs installed on transmission lines in the Southern Region. Considering the remaining useful life of the FSCs, POWERGRID was requested to formulate a proposal for removing those FSCs that are no longer required from the system operation perspective. Based on the outcome of this exercise, the replacement of line reactors on the Cuddapah–Nagarjunasagar (PG) 400 kV 2×S/C line may be taken up after finalisation of the issue regarding the FSCs. POWERGRID was requested to submit the proposal for removal of the FSCs that are not required from the system operation perspective as an agenda item for discussion in the OCC/CCM meeting.

➢ CTUIL stated upon completion of their useful life, the following reactors may be replaced with reactors of the indicated higher ratings (Refer to the CTUIL joint study minutes dated 10.09.2026):

LR	Existing Rating (MVAR)	To be upgraded with (MVAR)
400 kV Nellore (PG) – Vijayawada – I at Vijayawada end	50	80
400 kV Nagarjunasagar (PG) – Ramagundam – II at Ramagundam end	50	63

➢ SE(O), SRPC requested POWERGRID, SR-I, to furnish the cost estimates and proposed implementation schedule for the approved reactors and ICTs for consideration in the OCC/CCM meeting.

Conclusion:

- ✓ SR-I POWERGRID to furnish useful life, justification details etc. for the 400 kV Nellore (PG) – Vijayawada – I at Vijayawada end, 400 kV Nagarjunasagar (PG) – Ramagundam – II at Ramagundam end.
- ✓ POWERGRID to furnish cost estimates and proposed implementation schedule for the approved reactors and ICTs, for consideration in the OCC/CCM.
- ✓ POWERGRID may submit the proposal for decommissioning of the FSCs that are not required from the system operation perspective as an agenda item for discussion in the OCC/CCM meeting.

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8. Upgradation/conversion of the Udumalpet–Madurai 400 kV S/C line to 400 kV (Quad) D/C and reconductoring of the associated Tirunelveli–Udumalpet and Pugalur–Madurai 400 kV D/C

a) The proposal for upgradation/conversion of the Udumalpet–Madurai 400 kV S/C line to 400 kV (Quad) D/C and reconductoring of the associated Tirunelveli–Udumalpet and Pugalur–Madurai 400 kV D/C lines was deliberated in the 55th TCC meeting.

b) During the deliberations, SR-II POWERGRID had informed that the contract for the Udumalpet–Madurai line upgradation is expected to be awarded by October 2026, with an SCoD of August 2028. It was also informed that significant RoW issues are being encountered along the corridor.

c) Considering the existing thermal loading and continuous N-1 violations in the corridor, the TCC emphasized the need for timely implementation of the proposed strengthening works. It was also observed that the sequencing and duration of the associated transmission line shutdowns need to be carefully planned, taking into consideration the system conditions, including peak RE generation and peak loading periods.

The following action points were highlighted in 55 TCC & 242nd OCC:

d) SRLDC, in coordination with TNSLDC/TANTRANSCO, shall carry out the requisite system studies and identify suitable shutdown window(s) for execution of the reconductoring and subsequent Udumalpet–Madurai upgradation works, considering RE generation pattern, system demand, N-1 security and prevailing corridor loadings. The reconductoring works may preferably be taken up first, followed by the Udumalpet–Madurai S/C to D/C upgradation works.

e) Based on the detailed execution plan and system studies, SRPC/SRLDC, TNSLDC/TANTRANSCO and SR-II, POWERGRID shall jointly finalize the shutdown sequence and feasible execution window before commencement of the works

- ***SRLDC/TANTRANSCO/TNSLDC may update the system studies & shutdown window for execution of reconductoring/upgradation works.***

Deliberations:

f) SR-II, POWERGRID, informed that the reconductoring works were being taken forward, as advised by the Forum in earlier meetings. The works were at the award stage. The Pugalur–Madurai reconductoring work had been awarded during the previous week. The Tirunelveli–Udumalpet work was to be awarded in two packages, of which one had already been awarded and the other was expected to be awarded within a week. The award of the Udumalpet–Madurai line upgradation/conversion work was targeted by December 2026.

g) SRLDC emphasized that the implementation schedule and duration of the works needed to be clearly established before awarding the works, considering the likely impact of the works during the monsoon and peak-demand periods. Accordingly, a joint coordination meeting involving SRPC/SRLDC, TN SLDC/TANTRANSCO and SR-II, POWERGRID, was proposed to finalize the implementation plan. Before the meeting, SR-II, POWERGRID, was requested to furnish a clear implementation plan indicating the sequence of works based on the award schedule, duration of each work and whether the works would require shutdown of one or both circuits at a time.

h) SR-II, POWERGRID, informed that preparation of the details would require consultation with the supplier/vendor and suggested convening the meeting after 20.10.2026. It was agreed that the joint coordination meeting would be scheduled upon receipt of the requisite details from SR-II, POWERGRID.

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Conclusion/Action to be taken:

- SR-II, POWERGRID, shall furnish a detailed implementation plan indicating the sequence, duration and shutdown requirements of the proposed works.
- SRLDC, in coordination with TN SLDC/TANTRANSCO, shall carry out the requisite system studies and identify suitable shutdown window(s), considering monsoon and peak-demand periods.
- Based on the above, SRPC/SRLDC shall convene a joint coordination meeting to finalize the implementation schedule.

9. Convening of Special Meeting for examining utilization of Yelahanka Gas Plant in Synchronous Condenser Mode

a) The matter regarding utilisation of Yelahanka Gas Plant (YCCPP) in synchronous condenser mode for providing dynamic reactive power support in the Bengaluru area is under deliberation in various forums of SRPC. KPTCL had informed that the matter had been taken up with the OEM (BHEL), and that the OEM had verbally indicated certain technical limitations regarding operation of the unit in synchronous condenser mode. The official communication from the OEM is awaited.

b) The matter was further deliberated in the 55th TCC Meeting , wherein it was observed that, if technically feasible, utilisation of the Yelahanka Gas Plant in synchronous condenser mode could provide useful dynamic reactive power support to the Karnataka system, particularly the Bengaluru load centre, where recurring low-voltage conditions have been observed. Such support would be beneficial for voltage management and enhancement of system strength/reliability in the Bengaluru area.

c) Accordingly, the TCC concluded that a special meeting may be convened by KPCL involving BHEL, KPCL, KPTCL, SRPC Secretariat and SRLDC to facilitate detailed discussions on the technical aspects and limitations associated with utilisation of YCCPP in synchronous condenser mode.

d) After detailed deliberations in 242nd OCC, it was concluded that KPCL may convene a meeting with the concerned stakeholders and OEM to deliberate on the feasibility of carrying out suitable modifications in Yelahanka CCPP to facilitate operation of the unit in synchronous condenser mode and to take further necessary action accordingly.

- ***KPCL/KPTCL may update the status***

Deliberations

SRPC informed that an email dated 07.09.2026 had been sent to KPCL requesting the convening of a special meeting.

KPCL informed that repeated reminders had been sent to BHEL, the OEM, on 07.09.2026, 16.09.2026, 03.10.2026 and 14.10.2026, along with follow-up telephone calls. However, BHEL had not yet confirmed a date for the meeting. KPCL stated that the matter was being continuously pursued and that the stakeholders would be informed as soon as the meeting date was confirmed.

10. Details of the proposed ISTS-connected BESS developers/projects

In the 58th SRPC meeting held on 28.07.2026 the following was concluded:

CTUIL shall share the details of the proposed ISTS-connected BESS developers/projects. Based on the details received, SRPC secretariat shall organize a meeting of the States and the concerned Developers to explore possible storage tie-up opportunities in the Southern Region.

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- ***CTUIL is requested to share the contact details and email addresses of the BESS developers with SRPC***

Deliberations

CTUIL shared the details of ISTS-connected BESS developers vide email dated 07.09.2026. Subsequently, the SRPC Secretariat sought the willingness of BESS developers to participate in collaborative initiatives and requested them to indicate whether any Storage as a Service (SaaS) arrangement or other mechanism for providing storage services was being offered or proposed, along with relevant details, wherever applicable.

It was informed that, to date, two BESS developers had expressed their willingness to participate in the proposed collaborative discussions. The SRPC Secretariat stated that, upon receipt of willingness from additional developers, a meeting would be convened with the concerned stakeholders and BESS developers to deliberate upon the available opportunities and modalities for taking the initiative forward.

11. Status of Captive Data for FY 2025-26 of Southern Region

Background

a) The Ministry of Power (MoP) and Central Electricity Authority (CEA) have mandated monthly submission of generation data pertaining to **Captive Power Plants (CPPs), Open Access and Rooftop Solar** in the prescribed format for compilation of national electricity statistics. Accordingly, SRPC has been coordinating collection of the requisite data from the Southern Region States/UTs for onward submission to CEA/MoP.

b) The status of Captive Power Plant (CPP) generation and consumption data for FY 2025-26, submission of monthly CPP data for FY 2026-27, reconciliation of installed capacity records with CEA, and accounting of Captive Open Access/Wheeling consumption were reviewed during the 240th OCC meeting

Status of CPP data submission for FY 2026-27 (As on 18.09.2026)

	Andhra Pradesh	Telangana	Karnataka	Kerala	Tamil Nadu	Puducherry
Apr-26	Received	Received	Received	Received	Received	Received
May-26	Received	Received	Received	Received	Received	Received
Jun-26	Received	Received	Received	Received	Received	Received
Jul-26	Received	Received	Received	Received	Received	Received
Aug-26	Received	Received				Received

Karnataka, Kerala and Tamil Nadu were requested to expedite and furnish the data pertaining to August 2026 at the earliest. It was reiterated that the due date was 10.09.2026, for onward submission to CEA/MoP.

Reconciliation of CPPs Installed Capacity records

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- It was informed that the exercise has been under continuous follow-up since this exercise began in November/December 2025. The installed capacity details, as available with CEA, had been circulated. Significant discrepancies were observed between the installed capacity data available with CEA and States.
- All the CEIGs/nodal agencies were requested to reconcile the installed capacity data in coordination with CEA and RPSO. It was further requested that any additions to or deletions from the list of captives generating plants may be made accordingly.

In 241st OCC:

- Telangana informed that reconciliation of its CPP installed capacity had been completed and the reconciled details, along with reasons for the changes and present status of the CPPs, were shared with RPSO(S) for necessary action. SRPC advised the other States to carry out a similar reconciliation of their CPP installed capacity, using Telangana's format as a reference, if required, and appreciated Telangana for completing the exercise.

Accounting of Captive Open Access/Wheeling Consumption

- TGSLDC sought clarification on whether the consumption under Captive Open Access/Wheeling is to be accounted for under Captive Consumption or reported separately under Open Access. After detailed deliberations, SRPC stated that it would examine the issue and clarify the consideration of Captive Open Access/Wheeling consumption.
- Subsequently, SRPC had sought a clarification from Chief Engineer (PDM&LF), CEA (***Annexure-11a***) regarding the accounting of captive Open Access/wheeling consumption. The matter would be examined based on the clarification received from CEA, and the outcome would be communicated to the forum accordingly.
  - ***May be discussed***

Deliberations/Conclusion

Status of CPP data submission for FY 2026-27 (As on 21.10.2026)

	Andhra Pradesh	Telangana	Karnataka	Kerala	Tamil Nadu	Puducherry
Apr-26	Received	Received	Received	Received	Received	Received
May-26	Received	Received	Received	Received	Received	Received
Jun-26	Received	Received	Received	Received	Received	Received
Jul-26	Received	Received	Received	Received	Received	Received
Aug-26	Received	Received	Received	Received	Received	Received
Sep-26	Received	Received	Pending	Pending	Pending	Received

Karnataka, Kerala and TN are requested to furnish the data of September-2026 at the earliest

12. Agenda of RPSO (South), Bengaluru

a) All SLDCs/State Utilities, particularly APSLDC and TGSLDC, are requested to furnish consumer details (contract demand >500 kVA) and undertake necessary information dissemination activities

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to facilitate onboarding of captive consumers on the CEA Captive Power Portal and improve data coverage.

b) DISCOMs are requested to disseminate information regarding the Captive Power Portal among eligible consumers through SMS, email, and display of posters at offices, billing centers, and consumer grievance centers. Further, it was requested to furnish the preliminary consumer database to RPSO (S) at the earliest to facilitate onboarding of captive consumers onto the Captive Power Portal.

c) All States were requested to expedite registration of captive consumers on the Captive Power Portal and nominate a nodal officer to monitor and coordinate the registration process, with a target of completing the registrations by August 2026.

d) CEIGs/DISCOMs were requested to furnish consumer information, including address and other identifying particulars, to facilitate reconciliation of consumer records between the RPSO/CEA and the data furnished to SRPC.

e) EIGs and DISCOMs were requested to disseminate awareness regarding the Captive Power Portal by displaying/circulating the publicity material shared by CEA to encourage registration by captive consumers.

f) RPSO (S) shall examine the feasibility of providing viewing/access credentials for the Captive Power Portal to CEIGs/SLDCs in consultation with Chief Engineer, PDM&LF, and communicate the outcome to the stakeholders

241st OCC Action Points

- ✓ RPSO (South) to share login credentials for the Captive Power Portal with all State utilities.
- ✓ State utilities to monitor the registration status through the portal and ensure priority registration of CPPs
- ✓ Kerala SLDC to verify and pursue registration of BPCL Kochi Refinery on the Captive Power Portal.
- ✓ APSLDC and TGSLDC to furnish consumer details of commercial consumers with Contract Demand of 500 kVA and above, to facilitate identification and registration of consumers having DG/solar generation capacity.

➢ ***May be discussed***

Deliberations

RPSO (S) informed the forum that the Ministry of Power (MoP) had issued directions under Section 11, necessitating compliance by captive power plants. Despite repeated follow-ups in previous OCC meetings, consumer details had been received only from Kerala and Puducherry, while the remaining States were yet to furnish the required information. RPSO (S) requested the concerned States to apprise of the status of submission of consumer details.

RPSO (S) further highlighted that compliance status was required to be reported to MoP on a weekly basis and that the exercise had already been delayed considerably. It was emphasised that the required information needed to be collected on a priority basis to facilitate compliance with the directions issued by MoP.

TN SLDC stated that queries were being raised by consumers whether all consumers of contract demand more than 500 kVA is required or only captive consumers is required. RPSO (S) informed that the consumer data was being compiled by considering all consumers having a contracted demand of more than 500 kVA, covering all categories of consumers. It was further clarified that the data would subsequently be segregated to identify industrial consumers and other categories, as required.

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RPSO (S) reiterated that the matter had been pending for several OCC meetings and that further delay in furnishing the information would affect compliance with the MoP directions. TN SLDC stated that the exercise would be taken up on a priority basis and that efforts would be made to furnish the details within one month. RPSO (S), however, emphasised the urgency of the matter and requested TN SLDC to furnish the details already available immediately and the remaining data preferably within the next 10 days. TN SLDC was requested to expedite the exercise and share the information at the earliest.

TG SLDC informed that the registration status had been reviewed by accessing the portal, wherein more than 70 entities were found to be registered. It was further informed that TG SLDC had taken up the matter with TGNPDCL and TGSPDCL. However, in TG, the connectivity sought to DISCOMs from these type of consumers/CPPs was observed to be limited. TGSLDC stated that DISCOMs had issued letters to the consumers, requesting them to register on the portal and upload the monthly data.

RPSO (S) clarified that the objective was to ascertain whether all eligible entities in Telangana had registered on the portal, as the existing registration of 72 entities might not cover all the concerned entities. It was emphasised that the consumer details were required to identify the entities yet to register and enable follow-up. Since such details were not available elsewhere, the DISCOMs were identified as the primary source for obtaining the information. RPSO (S) requested that the details may be furnished within 10 days, considering the need to cover all CPPs having installed capacity above 50 MW in accordance with the directions issued by MoP under Section 11.

RPSO (S) further observed that even among the generators already registered on the portal, monthly data was being regularly furnished by only around 10% of the entities. Accordingly, the SLDCs were requested to formulate a plan to improve compliance, as the data was required to be submitted to MoP and was also essential for proper planning.

AP SLDC informed that the matter was being regularly followed up with the DISCOMs; however, ensuring compliance remained difficult. AP SLDC requested that MoP or CEA may take up the matter directly with the DISCOMs to emphasise the importance of compliance.

RPSO (S) proposed that the DISCOMs may also be invited to OCC meetings to deliberate on the issue. KPTCL observed that the matter required coordination among DISCOMs, CEIGs, SLDCs, SRPC and RPSO (S), and suggested that a separate meeting be convened for detailed deliberations, as the issue requires co-ordination of DISCOMs and CEIGs which usually are not part of the OCC forum and may not be available for the entire duration of the meeting.

MS, SRPC concurred with the proposal for a separate meeting and suggested that RPSO (S) furnish the agenda for the same. It was concluded that SRPC or RPSO (S) would convene a meeting involving the DISCOMs, CEIGs, SLDCs, RPSO (S) and SRPC to deliberate on the matter and improve compliance with the MoP directions.

Conclusion / Action Points

- **All SLDCs to coordinate with the respective DISCOMs and concerned entities to ensure registration on the portal and regular submission of monthly data.**
- **RPSO (S) shall furnish the agenda for a special meeting to deliberate on the matter. SRPC or RPSO (S) shall convene the meeting with the participation of DISCOMs, CEIGs, SLDCs, RPSO (S) and SRPC to resolve the issues relating to collection of consumer details and compliance with the MoP/CEA directions.**

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13. PSAG Operational Recommendations – Kalpakka, Gazuwaka and Simhadri

a) In 242nd OCC, AP SLDC informed that the report along with the proposed corrective measures, including estimates for reconductoring of the 400 kV Kalpakka–Gazuwaka D/C line, has been submitted to the management for approval. Upon receipt of the approval, the Action Taken Report shall be furnished to SRPC.

APTRANSCO/APSLDC

- ***To update the action taken on the PSAG recommendations, including approval/action at the higher-management level; present loading limitation of the 400 kV Kalpakka–Gazuwaka D/C; corrective measures taken/proposed for clamps, jumpers and other associated equipment; and the timeline for removal of the existing loading restriction.***
- ***To update the status of formulation of the SOP for reliable operation of the corridor, in coordination with PGCIL and NTPC Simhadri, including operational aspects during single-circuit availability.***
- ***The pending operational issues/corrective measures for reliable and optimum utilization of the Kalpakka–Simhadri/Gazuwaka corridor may be discussed.***

Deliberations:

b) AP SLDC informed that all recommendations, along with estimates for maintenance-related issues, had been submitted to the Higher Management and that some works were at the tendering stage. The implementation status would be furnished once the works commenced. AP SLDC further emphasized that all operational corrective measures needed to be completed before the rusted tower replacement work scheduled for November 2026, in coordination with the NTPC Simhadri unit shutdown.

c) SRLDC highlighted the need to conduct a joint study meeting on short-circuit studies, as recommended in the PSAG report. AP SLDC was requested to furnish a compliance report based on the field reports received from the O&M and MRT teams of APTRANSCO.

d) CTUIL informed that short-circuit analysis would require detailed information, including single-line diagrams (SLDs), equipment ratings, general SoPs and details of line terminations at the substations. It was further noted that, as discussed in previous PSSC and SRPC meetings, several substations, in addition to Kalpakka, had been shortlisted for short-circuit studies, necessitating the submission of the requisite details.

e) MS, SRPC, suggested proceeding with the short-circuit study as recommended in the PSAG report. CTUIL was requested to circulate the required proforma/details before the joint study meeting to enable AP SLDC to furnish the requisite information.

Conclusion/Action to be taken:

f) AP SLDC/APTRANSCO shall ensure completion of operational corrective measures before the rusted tower replacement work scheduled in November 2026 and furnish the compliance report.

g) CTUIL shall circulate the proforma/details required for short-circuit studies. AP SLDC shall furnish the requisite information, and SRLDC shall coordinate the joint study meeting as per the PSAG recommendations

14. Implementation of SRPC recommended AUFR and df/dt scheme

241 OCC: Actions to be taken

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(i) All concerned were requested to complete the works pertaining to relief visibility and SCADA mapping expeditiously. RTU upgradation, wherever required may be taken up on priority.

AP SLDC vide email dated 10.08.2026 had informed that additional 261.36 MW across all 4 stages of load relief was identified and communicated to the field for implementation which is under process.

KAR SLDC has stated that RT wing was identifying 400 MW of load divided among the 5 Zones. The reply was received from 2 Zones and awaited from remaining 3 zoned. An internal meeting was also scheduled in this regard. It was assured that identification and implementation would be completed by the end of the month.

Telangana SLDC stated that identification of the load was under discussion with power systems team.

(ii) New quantum of load relief settings of AUFLS scheme for the year 2026-27 (SRPC letter dated 19.06.2026)

In accordance with the recommendation of the Task Force, CEA - NPC Secretariat has calculated the relief quantum at each stage of AUFLS (Automatic Under Frequency Load Shedding) scheme for year 2026-27 for implementation in all the regions. **In 240th OCC**, it was informed that the new quantum as load relief and State Demand Contribution values as tabulated above and circulated vide SRPC letter dated 19.06.2026.

SLDCs were requested to use the new recommended values in the calculations from next month. The relief quantum pertaining to Southern Region are as follows:

Sl. No.	Stage	Frequency (Hz)	Quantum of Load Shedding (MW) for 2026-27	*Change in quantum wrt 2025-26 (MW)*	*Quantum of Load Shedding (MW) for 2025-26*
1	Stage 1	49.4 Hz	3175	*15 increase*	3160
2	Stage 2	49.2 Hz	3810	*18 increase*	3792
3	Stage 3	49.0 Hz	4445	*22 increase*	4423
4	Stage 4	48.8 Hz	4445	*22 increase*	4423
		Total	**15875**	***77 increase***	**15798**

In accordance with the methodology recommended by the Task Force, State/UT Stage wise AUFLS in MW for FY 2026-27 is as follows:

State	State/UT contribution	State Demand Contribution	Stage-1	Stage-2	Stage-3	Stage-4	Total
Andhra Pradesh	0.184	13590	585	702	819	819	**2923**
Telangana	0.221	16301	701	842	982	982	**3506**
Karnataka	0.231	17068	734	881	1028	1028	**3671**
Kerala	0.074	5448	234	281	328	328	**1172**
Tamil Nadu	0.282	20829	896	1075	1254	1254	**4480**
Puducherry	0.008	569	25	29	34	34	**122**
Total	**1.000**	**73805**	**3175**	**3810**	**4445**	**4445**	**15875**

The change in AUFLS quantum for FY 2026-27 compared to FY 2025-26 is as follows (for reference):

State	Stage-1	Stage-2	Stage-3	Stage-4	Total
Andhra Pradesh	8	10	12	12	**42**
Telangana	16	20	23	23	**82**

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Karnataka	10	12	14	14	**50**
Kerala	-4	-5	-5	-5	**-19**
Tamil Nadu	-15	-18	-21	-21	**-75**
Puducherry	0	-1	-1	-1	**-3**
Total	**15**	**18**	**22**	**22**	**77**

The State Demand Contribution value to be utilized for calculation of Monthly Reports being presented in OCC are as follows for FY 2026-27:

State	**State contribution**	**Load Relief in MW/ State Demand Contribution**
	(a)=Column (5) of Table 3	**(b)=a*SR Peak Demand**
Andhra Pradesh	0.184	13590
Telangana	0.221	16301
Karnataka	0.231	17068
Kerala	0.074	5448
Tamil Nadu	0.282	20829
Puducherry	0.008	569
Total	**1.000**	**73805**

- ✓ In 241st OCC, SRPC had requested Karnataka SLDC and Telangana SLDC that in view of the upcoming NPC meeting scheduled in September 2026, to expedite implementation of the recommended AUFLS quantum by the end of August 2026. The updated status may be furnished at the earliest.
- ✓ CGM, SRLDC vide letter dtd 23.09.2026 ***(Annexure-14a)*** informed all the SLDCs to implement the approved under frequency protection settings for pumping load/lift irrigation schemes in line with 14th NPC meeting of CEA.
  - ➢ ***May be discussed***

Deliberations

SRLDC presented AUFLS-Monthly Reports for September-2026 prepared by states as follows:

a) Andhra Pradesh

STATE	Status/Settings	Stage-1 (49.4 Hz)	Stage-2 (49.2Hz)	Stage-3 (49.0 Hz)	Stage-4 (48.8 Hz)	Total
AP	Recommended (A)	577	692	807	807	2883
	Implemented (B)	650	666	903	876	3094
	SCADA monitored (C)	633	666	881	849	3027
	Actual flow on SCADA monitored (D)	414	505	560	573	2052
	Balance implemented (E)= (B) – (C)	17	0	23	27	67
	Actual flow on balance implemented (F)	11	0	14	18	44
	Desired relief (G) = (B) X Average state Demand for the month/ (State Demand Contribution)	464	557	649	649	2319
	Actual relief (H) = (D + F)	425	505	575	591	2096
	Deficit (-)/Surplus (+) --> (H – G)	-39	-52	-74	-58	-223

b) Karnataka

.

STATE	Status/Settings	Stage-1 (49.4 Hz)	Stage-2 (49.2Hz)	Stage-3 (49.0 Hz)	Stage-4 (48.8 Hz)	Total
KA	Recommended (A)	734	881	1028	1028	3671
	Implemented (B)	853	907	1256	1055	4071
	SCADA monitored (C)	801	892	1230	1055	3977
	Actual flow on SCADA monitored (D)	551	395	725	474	2145
	Balance implemented (E)= (B) – (C)	52	16	26	0	94
	Actual flow on balance implemented (F)	49	14	4	0	67
	Desired relief (G) = (B) X Average state Demand for the month/ (State Demand Contribution)	671	714	988	830	3204
	Actual relief (H) = (D + F)	600	409	729	474	2212
	Deficit (-)/Surplus (+) --> (H – G)	-72	-305	-259	-356	-992

KAR SLDC informed that deficit was 992 MW wrt Implemented Quantum of 4071 MW, whereas deficit was about 600 MW wrt recommended quantum of 3671 MW.

Further, additional 400-450 MW of relief was identified and the integration to SCADA is in progress. Accordingly, the remaining shortfall is expected to reduce upon completion of the SCADA integration.

MS, SRPC suggested to modify the declared relief on the identified feeders to align with the recommended quantum to obtain a more accurate assessment of the shortfall in load relief.

c) Kerala

STATE	Status/Settings	Stage-1 (49.4 Hz)	Stage-2 (49.2Hz)	Stage-3 (49.0 Hz)	Stage-4 (48.8 Hz)	Total
KL	Recommended (A)	238	286	333	333	1190
	Implemented (B)	292	303	382	357	1334
	SCADA monitored (C)	259	223	266	237	985
	Actual flow on SCADA monitored (D)	269	155	191	165	780
	Balance implemented (E)= (B) – (C)	33	80	116	120	349
	Actual flow on balance implemented (F)	44	152	199	139	534
	Desired relief (G) = (B) X Average state Demand for the month/ (State Demand Contribution)	216	225	283	265	989
	Actual relief (H) = (D + F)	313	307	390	304	1314
	Deficit (-)/Surplus (+) --> (H – G)	97	82	107	39	325

d) Tamil Nadu

STATE	Status/Settings	Stage-1 (49.4 Hz)	Stage-2 (49.2Hz)	Stage-3 (49.0 Hz)	Stage-4 (48.8 Hz)	Total
TN	Recommended (A)	916	1099	1283	1283	4581
	Implemented (B)	929	1100	1286	1280	4595
	SCADA monitored (C)	746	902	1208	1252	4108
	Actual flow on SCADA monitored (D)	876	976	1054	1063	3969
	Balance implemented (E)= (B) – (C)	183	198	78	28	487
	Actual flow on balance implemented (F)	238	209	81	36	564
	Desired relief (G) = (B) X Average state Demand for the month/ (State Demand Contribution)	795	941	1100	1095	3930
	Actual relief (H) = (D + F)	1114	1185	1135	1099	4533
	Deficit (-)/Surplus (+) --> (H – G)	319	244	35	4	603

e) Telangana

.

STATE	Status/Settings	Stage-1 (49.4 Hz)	Stage-2 (49.2Hz)	Stage-3 (49.0 Hz)	Stage-4 (48.8 Hz)	Total
TG	Recommended (A)	701	842	982	982	3507
	Implemented (B)	849	909	950	918	3626
	SCADA monitored (C)					
	Actual flow on SCADA monitored (D)					
	Balance implemented (E)= (B) – (C)					
	Actual flow on balance implemented (F)					
	Desired relief (G) = (B) X Average state Demand for the month/ (State Demand Contribution)	527	634	739	739	2639
	Actual relief (H) = (D + F)	568	493	527	699	2286
	Deficit (-)/Surplus (+) --> (H – G)	40	-141	-212	-40	

TG SLDC stated that during analysis it was identified that due to certain SCADA data issues, the SCADA-monitored relief (C) was not being captured correctly. The SCADA issues were being rectified at the earliest. Accordingly, an analysis was carried out using 15-minute SEM data, and the following details were presented.

					Loading of AUFR identified feeders in FY 2025-26		Loading of AUFR identified feeders in FY 2024-25	
S.No	DETAILS		Relief of Jul-26 as per 15-min SEM data	Relief of Aug-26 as per 15-min SEM data	Avg	Peak	Avg	Peak
1	AUFR-1	49.4	492	568	476	943	446	877
2	AUFR-2	49.2	495	493	428	1010	435	837
3	AUFR-3	49	495	527	453	1056	473	974
4	AUFR-4	48.8	646	699	633	1020	582	925
			2128	**2287**	**1990**	**4029**	**1936**	**3613**

For August 2026, the relief observed using 15-minute SEM data was 2,287 MW against the desired relief of 2,285 MW, while the recommended quantum was 3,507 MW. TG SLDC further stated that the analysis based on 15-minute SEM data indicated a shortfall of only around 100–150 MW. TG SLDC requested the use of 15-min SEM data for monthly monitoring.

MS, SRPC observed that adopting different methodologies for different States was not feasible and requested TG SLDC to furnish the details based on SCADA data, as per the prescribed format, and rectify the SCADA issues at the earliest.

f) Puducherry

	Stage - 1 49.4 Hz	Stage - 2 49.2 Hz	Stage - 3 49.0 Hz	Stage - 4 48.8 Hz	STATE TOTAL
SRPC Recommended Quantum for 2026-27 (A)	**25**	**29**	**34**	**34**	**122**
Implemented (B)	26	31	36	36	129
SCADA monitored (C)	26	31	36	36	129
Actual flow on SCADA MONITORED (D)	28	34	32	37	131
Balance implemented (E) = (B) - (C)	0	0	0	0	0
Actual flow on balance implemented (F)	0	0	0	0	0

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Desired relief (G)= (B) x Average State Demand for the month/(State Demand Contribution)	20	24	28	28	102
Actual relief (H)= (D+F)	28	34	32	37	131
Deficit (-) /Surplus (+) H - G	8	10	4	9	29

Conclusion

- **States/UT to ensure requisite relief**
- **States/UT are requested to maintain the healthiness of AUFLS scheme**
- **TG SLDC to rectify the SCADA issues at the earliest**

15. NTPC Agenda

1. **NTPC KUDGI UNIT# 3 FGD PG test planned during Oct-2026.**

The test is planned at full load for 08 hours for three days in each unit, tentatively 27 to 29 Oct 2026. Test timings will be followed as advised by SRPC/SRLDC/ Beneficiaries.

Unit# will be kept at full load 800MW during test duration and no other activity will be carried out. It is requested to provide full schedule for 08 hours on daily basis, exact dates will be communicated one week advance.

Deliberation:

- KPTCL agreed to facilitate full-load of Unit-3 for 8 hours daily, from 16:00 hrs to 24:00 hrs, during the period from 27th to 29th October 2026, for conducting the FGD PG test.

Conclusion:

- Full-load of NTPC Kudgi Unit-3 for 8 hours daily, from 16:00 hrs to 24:00 hrs, during the period from 27th to 29th October 2026, for conducting the FGD PG test, was approved avoiding Saturday, Sunday and public holidays.

2. **Unit#1 Post OH test**

2.1 NTPC Kudgi Post OH efficiency tests being planned by third party. For two days full load is required continuously for four hours. Test dates will be informed one week in advance.

2.2 Safety valve checking to be done after OH, it is requested to provide 80% load for 4 hours for three days, test dates will be informed after unit revival.

Note: No test will be carried out during Saturday, Sunday and public holidays. It is requested to switch off TRAS/SRAS/SCED/FGMO during test duration.

Deliberations:

- KPTCL agreed for the providing a) NTPC Kudgi Unit 1 Safety valve checking - 80% load for 4 hours (11:00 hrs to 15:00 hrs) for 3 days after the unit revival from OH, b) NTPC Kudgi Unit 1 Post OH efficiency test - Full load for 4 hours (17:00 hrs to 21:00 hrs) for 2 days during 1st week of November 26.

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- APSLDC expressed concern that the generator was declaring full Declared Capacity (DC) while reducing its schedule, as per the generator's requirement, during the testing period. APSLDC further stated that the DC should be aligned with the schedule during the testing period.
- MS SRPC stated that the provisions regarding DC declaration and scheduling during the testing period were not clearly specified in the Regulations and that the matter had been included as an agenda item for the CERC stakeholder meeting. It was further observed that certain tests specified in the IEGC are mandatory for generators, while others are specific to individual generating stations. MS SRPC stated that the concern raised by APSLDC would be recorded in the minutes. It was clarified that, at present, the DC and schedule declared by the generator are considered during the testing period.

Conclusion:

- NTPC Kudgi Unit 1 Safety valve checking - 80% load for 4 hours (11:00 hrs to 15:00 hrs) for 3 days after the unit revival from OH is approved. The exact dates would be communicated by NTPC Kudgi in advance.
- NTPC Kudgi Unit 1 Post OH efficiency test - Full load for 4 hours (17:00 hrs to 21:00 hrs) for 2 days during 1st week of November 26 is approved avoiding Saturday, Sunday and public holidays. The exact dates would be communicated by NTPC Kudgi in advance.
- NTPC was requested to furnish its views on aligning the Declared Capacity (DC) with the schedule during the testing period, in the next OCC meeting.
- NTPC Kudgi informed that all required logics for black start and house load operation need to be implemented and the status would be intimated to the Forum upon completion. As discussed in earlier meetings, NTPC Kudgi to carry out black start and house load operation tests after completion of the overhaul (OH) and apprise the Forum of the outcome.

NTPC SR Stations OHs revised schedules proposal:

SL NO	As submitted to SRPC						New Proposed Dates		Remark
	Station	Unit	MW	Days	From	To	From	To	
1	TEL-ANGANA STPP	1	800	45	01-Nov-26	15-Dec-26	01-Nov-26	15-Dec-26	No Change as of Now. Changes if any shall be intimated by 03.10.2026
2	KUDGI STPP	3	800	40	15-Nov-26	24-Dec-26	15-Dec-26	23-Jan-27	Tentatively re-scheduled from 15th Dec-26 to have 3 units at a time as communicated by SRPC
3	RAMAGUN-DEM STPS	7	500	35	18-Nov-26	22-Dec-26	18-Nov-26	22-Dec-26	No Change

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4	SIMHADRI	2	500	50	10-Nov-26	29-Dec-26	17-Nov-26	05-Jan-27	Plan changed considering less availability of Manpower due to Festivals.
5	TALCHER STPS	5	500	35	08-Jan-27	11-Feb-27	08-Jan-27	11-Feb-27	No Change

➢ ***May be discussed.***

Deliberations:

- Covered at agenda item no. 21

16. Follow up on Energization of 230 kV BHAVINI – Kancheepuram Line-I & II for PFBR Commissioning Support

a) In the 242nd OCC Meeting, TNSLDC confirmed that both 230 kV BHAVINI–Kancheepuram Line-I & II were kept charged from the Kancheepuram end. Since no representative from BHAVINI attended the meeting, it was concluded that BHAVINI shall obtain and furnish clarification regarding the requirement for availability of all six evacuation lines during the pre-commissioning stages for further deliberation in the Forum.

b) BHAVINI was also advised to expedite the bus coupler FTC and submit the proposed injection methodology, duly approved by its Higher Management, in the next OCC Meeting.

➢ ***BHAVINI may furnish the study on the proposed injection & status of bus coupler FTC.***

Deliberations:

c) BHAVINI clarified that a minimum of four lines in service would be sufficient during the pre-commissioning stage. BHAVINI noted the possibility of Aarni Lines 1 and 2 being unavailable due to NHAI works. SRPC/SRLDC assured that, as far as practicable, six lines from different sources would be available, with a minimum of four lines in service.

d) It was emphasized that the MAPS cable should be maintained healthy and in service at all times.

e) SE (O, P&C) informed that BHAVINI proposed to convene a separate meeting with TN SLDC, SRLDC and SRPC (Operations, Commercial and Protection) to finalize the injection methodology. Based on the agenda furnished by BHAVINI, SRPC/SRLDC would examine the requirements from operational and clearance perspectives.

Action to be taken:

f) BHAVINI shall furnish their requirements in the form of agenda for the proposed joint meeting.

g) Based on the same, SRPC/SRLDC shall identify and communicate the system operator requirements/agenda, following which a joint meeting shall be convened with operations, commercial & protection wings of TN SLDC, SRLDC and SRPC.

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17. Grid operational Issues – SRLDC Concerns

A) Follow up on Staggering of loads in Southern Region

In 241st OCC,

a) AP SLDC informed that, following the request made to APSPDCL, staggering of the irrigation pump (IP) loads has been implemented to some extent. Consequently, the evening peak associated with the IP load, which was earlier observed around 17:45–18:15 Hrs, has reduced by approximately 400–500 MW, with an overall reduction of around 400 MW in the evening peak load.

b) KAR SLDC informed that an instantaneous drop of around 800–900 MW was generally being observed at about 18:00 Hrs. Following the implementation of step-wise staggering of IP loads, the instantaneous load drop has reduced, with the effect now being observed over multiple time blocks

✓ ***APSLDC & KAR SLDC may update on the action taken, the effectiveness of the measures implemented, and the present status of evening demand variations***

Deliberations:

c) During the 241st OCC, AP SLDC had informed that staggering of irrigation pump (IP) loads had been implemented to some extent following requests to APSPDCL. Consequently, the evening peak associated with IP loads had reduced by approximately 400–500 MW, with an overall reduction of around 400 MW in the evening peak.

d) KAR SLDC informed that the instantaneous load drop of around 800–900 MW previously observed at about 18:00 Hrs had reduced following the implementation of step-wise staggering of IP loads, with the load reduction now distributed across multiple time blocks.

e) SRLDC reported significant improvement since the 230th OCC, when sudden load ramp-down of around 1,900–2,000 MW was observed at a frequency of 50.3–50.4 Hz. Following the implementation of staggered agricultural load-switching schedules in Karnataka and Andhra Pradesh, no significant operational criticality had been observed.

f) MS, SRPC, observed that any sudden demand variation under low-frequency conditions should be examined. SRLDC clarified that no such operational concern was currently being observed.

Conclusion: In view of the significant improvement and the absence of current operational concerns, the Forum agreed to drop the agenda item.

18. Status of spares of Talcher-Kolar HVDC system

It is noted that there are 4 Spares for Talcher-Kolar HVDC system

241st OCC Update:

Spares at Tacher end	Spares at Kolar end
Repaired Convertor Transformer reached Talcher in the last week of June 2026. It was dispatched from Kalva, Mumbai. It is planned is to be taken in to service in place of another in-service faulty transformer	One healthy transformer is available at Kolar end
Another faulty Convertor Transformer was transported from Talcher site and reached TARIL, Ahmedabad for repairs.	
Third Faulty Convertor Transformer is under tendering stage. The open tender would be awarded to the successful bidder based on the outcome.	

✓ PGCIL was advised to review the matter and recommended to take the repaired transformer into service by replacing the in-service transformer presently in the most critical condition.

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➢ ***SR II, PGCIL may update***

Deliberations

PGCIL, SR-II informed that HVDC Pole-1 tripped on 17.09.2026 at 11:28 hrs due to the operation of the Buchholz alarm in the R-phase converter transformer. Consequently, the one healthy spare converter transformer available at the Talcher end was utilised for Pole-1 R-phase.

The repair of removed converter transformer is to be taken up with Siemens for site inspection and internal inspection. The matter was under approval stage.

SRPC expressed concern regarding the non-availability of spare converter transformers at the Talcher end, noting that any further failure of a converter transformer at that end would result in a loss of 1,000 MW of transfer capability.

SRLDC also highlighted that, over the past two years, only one healthy spare converter transformer had been available at any given time. Further, the overloading capability of 2,500 MW had also not been available for a considerable period.

PGCIL SR-II informed that new converter transformers are under manufacturing and the transfer capability would remain limited to 2000 MW until their replacement.

SRLDC was requested to take up the matter with PGCIL.

Subsequently, SRPC would also take up the issue with Member (GO&D), CEA.

The present status of the 4 Spares for Talcher-Kolar HVDC system are as follows:

Spares at Talcher end		**Spares at Kolar end**	
Spare-1 at Talcher	Healthy spare was consumed on 17.09.2026. The repair of removed convertor transformer is to be taken up with Siemens for site inspection and internal inspection. The matter is under approval stage	Spare-1 at Kolar	One healthy transformer is available at Kolar end
Spare-2 at Talcher	Another faulty Convertor Transformer was transported from Talcher site and reached TARIL, Ahmedabad for repairs.		
Spare-3 at Talcher	Third Faulty Convertor Transformer is under tendering stage. The open tender would be awarded to the successful bidder based on the outcome.		

19. Pending Items from Previous OCCs

S. No	Items to be discussed	Status/Remarks
1	**Frequent switching of Bus Reactors at Munirabad and Raichur sub-station on voltage regulations.** **For Discussion:** **JSWEL may update the following:** a) The budgetary approval for the proposed works has been obtained. The procurement process is under progress, and the Power Order (PO) is being finalized. The compensators are expected to be delivered by December 2026/January 2027.	***SR I PGCIL/ JSWEL***

	b) The shutdown of SBU-II Unit-1 is already under shutdown to facilitate the inspection of the UAT tap settings. c) Technical issues in integrating the ABB Master PPC with the existing PPC of the renewable generating stations were observed. While the Wind PPC is already in service, the integration of the Master PPC with the existing PPCs is under progress. The OEM (ABB) team is expected to visit the site to complete the integration activities. JSW Energy informed that the commissioning of the Master PPC is expected to be completed by the third week of August 2026. **SR I PGCIL/CTUIL may update the augmentation of ICT & new STATCOM at Munirabad**	
2	**Low Voltages in Karnataka during Morning Peak Period** **The status/action may be taken for the following:** a) Capacitor bank installation & STATCOM implementation (Action plan along with capacity) b) The mock reactive energy billing for the month of February 2026 had been generated and actual billing for March 2026 would be issued shortly in line with the applicable notification. In this regard, the effectiveness of RE reactive power compliance mechanism and feedback on billing implementation may be shared. c) Steps taken to ensure reactive compensation planning at connectivity/design stage based on system studies.	***SRLDC/KAR SLDC/KPCL.***
3	**Pending Issues w.r.t Tamil Nadu system Control Area** **A. Outage of Kadamparai Units** • At present, three units are under outage due to stator earth faults, and one unit is under outage due to a rotor earth fault. As per the latest status received from the Kadamparai field authorities, the expected restoration schedule is as follows: ✓ Unit 1: March 2027 ✓ Unit 2: December 2026 ✓ Unit 3: January 2027 ✓ Unit 4: December 2026 • TN shall expedite the restoration of the Kadamparai units and keep the Forum apprised of the progress.	***TNSLDC/ Kadamparai***
	B. Low Voltage profile in 220/400 kV switchyard at NNTPS **For Discussion:** • TN SLDC informed that the Nagai Power Plant is presently providing about 30–40 MVAr of reactive power support at a generation level of around 90 MW. • With regard to the proposed 528 MVAr capacitor banks, TNSLDC informed that the revised cost estimate is under approval, following which the re-tendering process will be initiated under the new Government of Tamil Nadu.	***TNSLDC/SRLDC***
	C. High loading of 400kV Kanarpatty- S/C **For Discussion:**	

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	a) **Temporary Solution**: • TNSLDC informed that a detailed study would be carried out before taking up the proposal as operating may lead to additional RE injection into the ISTS through the Madurai ICTs. b) **SPS Implementation** • TN SLDC vide mail dtd 22.06.2026 informed that SPS was implemented on 12.06.2026. All the relevant logic was shared. c) **Permanent Solution** • In 240^{h} OCC, SR II, PGCIL informed that works are progressing as per approved schedule. The targeted completion is December 2026. Further, it was concluded that TN SLDC and SR II PGCIL may discuss together in completing the Bay construction at the earliest. **Additionally, TN SLDC may update on:** • RE Monitoring & Compliance - Provide action plan for upgrading from AMR-based to real-time RE SCADA data acquisition. Plan installation of PMUs and integration, including the required hardware arrangements, at all major RE pooling stations. • Obtain compliance reports from RE generators on LVRT/HVRT/MVar support as per CEA connectivity Reg. • Furnish a detailed incident report for the trippings on 23rd Aug 2024 and 24th Sep 2025 to SRPC In 240th OCC, TN SLDC informed that the RE developers have challenged the compliance requirements before the court. However, it was assured that they issue the necessary compliance for installation of PMUs at the identified RE pooling stations and update the status in the next OCC.	***TAN-TRANSCO/TNSLDC /PGCIL/SRLDC***
D	**Implementation of 3rd ICT (315MVA) at 400/230kV Neyveli TS 2:** • Pre-foundation works for the ICT are targeted for completion by 31.07.2026. Erection and commissioning of the ICT are planned to be completed by November 2026, after completion of the civil works, including the foundation curing period. • With regard to the permanent works, NLCIL informed that the tender had progressed up to the Pre-Qualification Requirement (PQR) evaluation stage. However, the bidder was disqualified during the evaluation process. Accordingly, the tendering process is required to be re-initiated.	***TPS II/TANTRANSCO***
E	**Sparing of one number of 315 MVA, 400/ 230 KV ICT at Kayathar 400KV** **For Discussion:** a) The tendering process for sparing of the 315 MVA, 400/230 kV ICT is still under progress & transportation of the ICT is envisaged within one month. b) Further, it was informed that the tender is presently under evaluation stage. TANTRANSCO may update on procurement of new ICT c) PGCIL informed that only the Memorandum of Understanding (MoU) remains to be executed from their end.	***TNSLDC/PGCIL***

4	**Supply to Yanam Puducherry** **PED to update the following:** • Additional connectivity to Yanam has been sought from Gollapalem Substation & the revised estimation is awaited from CGM(Commercial), APTRANSCO. In 242nd OCC, PED informed that they got the estimation from APTRANSCO in the last week for the new line from 132kV Gollapalem-Yanam • With regards to temporary diversion of 132 kV Prathap Nagar-Yanam interstate feeder, APTRANSCO informed that, as discussed in the CEA meeting, the construction of one multi-circuit tower is yet to be completed. Upon completion of the tower, the 132 kV Prathap Nagar–Yanam feeder will be shifted to the 132 kV Kakinada–Yanam feeder. APTRANSCO was advised to expedite the pending works and complete the restoration at the earliest.	***APSLDC/ PED***
5	**Reliable Power Supply to Puducherry & associated system Strengthening** **For Discussion:** • The administrative approval for the proposed 35 MW BESS is awaited prior to award of the work. Subsequently, a separate proposal will be submitted to the Government for approval of the balance 15 MW BESS. • PED, Puducherry informed that the transformer augmentation at Thondamanatham is under progress and is tentatively targeted for completion by February 2027. • With regard to the proposed works at Bahour and Villianur, it was informed that the tendering process will be initiated after obtaining approval from the Government of Puducherry, with a tentative target of March 2027. In respect of Karaikal, approval for the required Government land is still awaited. In 242nd OCC, • CTUIL informed that POWERGRID had submitted the preliminary survey report on 16.07.2026 and additional inputs on 05.08.2026. The cost analysis of the proposed transmission scheme is under preparation and, upon finalization, the scheme would be taken up in NCT for further consideration. • Regarding GNA requirement, it was informed that PED had sought 50 MW additional GNA and the requirement for additional GNA was deliberated/agreed in the concerned meeting. • MS, SRPC sought clarification regarding implementation of the proposed SPS for about 100 MW load relief on tripping of Neyveli–Puducherry line and about 200 MW load relief on tripping of SV Chatram–Puducherry line. PED was advised to coordinate with POWERGRID and seek necessary technical support for implementation of the SPS.	***SR II PGCIL/ PED***

	• Regarding reactive power support, PED informed that space is available at Thondamanatham and Bahour 230 kV substations for installation of 50 MVAr capacitor banks. PED further informed that about 70 MVAr of capacitor banks is proposed to be made available by December 2026.	
6	**Submission of Static IPv4 Address - SRLDC Outage Portal Access** • **SRLDC Outage Portal** (https://dailyreport.srldc.in/REPORTINGUI-UAT/) is being secured through implementation of IP whitelisting. Post implementation, access will be permitted only from whitelisted Static IPv4 addresses to enhance cybersecurity. • All users/entities are requested to submit their Static IPv4 address details at the earliest to **srldcoutage@grid-india.in**, along with an authorization letter for the respective IP address. Early submission is requested to ensure uninterrupted portal access and compliance with cybersecurity requirements & for checking the current IPv4 address, users may visit: www.whatismyipaddress.com **For Discussion:** SRLDC mailed all the SR constituents to furnish the details and kept August 15th as deadline for submission of the Static IPv4 address details and migration to the portal.	***SRLDC/Entities who has not furnished the IP addresses***
7	**Operational Constraints at Bhadrawati Back-to-Back HVDC Link** **Background**: Operational issues, including power fluctuations and harmonic concerns, were observed at the Bhadrawati B2B HVDC link. In earlier OCCs, Southern Regional Load Despatch Centre reported harmonic levels exceeding limits at Bhadrawati end, and PGCIL informed that the matter has been referred to Corporate Office. • SR-I, POWERGRID informed that, as per the inputs received from WR POWERGRID, the harmonic measurement results are under examination by their corporate team. The detailed report, upon finalization, shall be furnished to the Forum	***SR I, PGCIL & SRLDC may respond***
8	**Tripping of 765KV-Ariyalur-NCPS line** The recurring outages of the 765 kV Ariyalur–NCPS corridor, including the tripping of 765 kV Ariyalur–NCPS-1 on 18.05.2026 due to multiple insulator decappings, have been under deliberation in OCC. The outages of the corridor have affected the reliability of power evacuation from the NCPS complex, particularly considering the inadequate N-1 reliability of the associated transmission system. During the 242nd OCC, TNSLDC informed that replacement of insulators on the 765 kV Ariyalur–NCPS line is in pro-gress, and the requisite financial approval has been accorded by the higher management. Regarding LILO of 400 kV Manali–Puliyanthope line at NCPS, TNSLDC informed that the scheme is under tendering through TBCB.	***TN SLDC/TANTRANSCO may respond***

Deliberations:

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1. **Frequent switching of Bus Reactors at Munirabad and Raichur substation on voltage regulations.**

- ✓ SR-I POWERGRID informed that space is available at the existing Munirabad Substation for installation of a 500 MVA ICT and a 100 Mvar STATCOM.
- ✓ CTUIL informed that the proposal had been discussed in CMETS. However, no applicant had come forward under the existing application. Accordingly, the proposal could not be taken forward at present. CTUIL further stated that the proposal could be considered for approval if an application is received, considering the availability of space at the substation.

19.2 Low Voltages in Karnataka during Morning Peak Period

- ✓ KAR SLDC informed that the installation of the capacitor bank was still at the tendering stage, with no further update. Regarding STATCOM implementation, the technical study report had been submitted to higher management for further action towards execution.
- ✓ KAR SLDC further informed that reactive energy billing had been kept on hold following its implementation for March, as the matter was proposed to be taken up with KERC by the management.

19.3 Pending Issues w.r.t Tamil Nadu system control Area

A. Outage of Kadamparai Units:

- ✓ **Unit 1:** The scheduled outage completion date is March 2027. However, discussions are underway to advance the revival of the unit to January 2027.
- ✓ **Unit 2:** The generator is ready, and commissioning is expected by the first week of November 2026.
- ✓ **Units 3 & 4:** Administrative approval has been received, and the works are under the tendering process. The units are expected to be available around May 2027 and June 2027, respectively.

B. Low Voltage Profile in 220/440kV Switchyard at NNTPS

- ✓ TNSLDC informed that approval from higher management had been received for the installation of 528 Mvar capacitor banks; however, the tender was yet to be floated.
- ✓ It was also observed that data from Nagai Power Plant was not visible at the SRLDC end. TNSLDC was requested to coordinate with its SCADA team to resolve the issue and enable verification of the Mvar support from the plant.

C. High loading of 400kV Kanarpatty-S/c

- ✓ TN SLDC informed that an SPS for 900 MW had already been implemented. The proposal for an additional quantum of 200–300 MW, as requested by the field, was under process.
- ✓ Regarding AMR-based real-time RE SCADA, TN SLDC informed that discussions were being held with RE developers at the higher-management level, with a timeline of five months for furnishing real-time data.
- ✓ SE (O, P & C), SRPC highlighted that these issues were being continuously monitored at CEA and MoP levels and advised TN SLDC to accord due priority to their resolution.

D. Implementation of 3rd ICT (315MVA) at 400/230kV Neyveli TS 2:

Neyveli TS 2 updated the status as below:

Sl no	Work description	Present status	Period required	Total period required
1	ICT-3 Foundation	Transformer foundation completed.	Work completed	0

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2	230KV cable Supply,Erection and Comissioning	230 KV Cable received at site. Cable laying work Completed.Cable Joint and 230KV Cable frame foundation work in progress.	30 Days for completion of Erection and commissioning work	30 Days
3	Protection relays for ICT supply and retrofitiing - Purchase	Relay received at site. Protection logic to be finalised. Relay erection and wiring work is in progress.	30 Days for completion of Erection and commissioning work	30 days
4	Yard equipments Modification	Contract awarded. Work is in progress. Control cable and Aux power supply cable laying work is in progress.	30 days to carryout balance work.	30 days
5	Power and Control cable purchase	Material received at site	Material received at site	0
6	Healthiness checking of ICT at TANTRANCO	Work completed	Work completed	0
7	Shifting of ICT from TANTRANCO TO NLCIL	Work completed	Transformer received at TPS-2 site	0
8	Erection and commissioning of Transformer	Transformer shifted and placed on the foundation. Transformer dry out process completed. Oil filling and filtration Completed.Transformer tesing Work in progress.	1.Cooler Control panel fixed and wiring work in progress. 2.Supply,Erection and commissioning of Mulsifier system pending. 3. Transformer Electrical Testing in progress.	30 Days
9	The Total Number of days required for the entire process	**Up to 09-11-2026**		

E. Sparing of one number of 315MVA, 400/230kV ICT at Kayathar 400kV

- ✓ TN SLDC informed that the MoU with POWERGRID for sparing one 315 MVA, 400/230 kV ICT at Kayathar had been prepared. Clarifications were being sought regarding the duration, as 24 months had been indicated in the MoU instead of 36 months. The commercial aspects were also to be discussed with higher management, followed by obtaining the necessary approval.

19.4 Supply to Yanam, Puducherry

PED informed that some clarifications were sought from AP recently, subsequent approvals to be taken from Puducherry Government and tender process, tentatively will be done in 1-2 months.

With regards to temporary diversion of 132kV Prathap Nagar-Yanam interstate feeder, AP SLDC responded that multi circuit tower construction was completed and restoration was also done.

19.5 Reliable Power Supply to Puducherry & associated system strengthening

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- ✓ PED informed that approval from the Government for the proposed Battery Energy Storage System (BESS) was still awaited.
- ✓ The transformer-related works at Tondamanatham were under progress.
- ✓ Regarding the proposed 50 MVar capacitor bank, tentative estimates had been received from a few developers. A detailed estimate was to be prepared, followed by obtaining Government approval.
- ✓ PED further informed that an application for 50 MW GNA had been submitted subsequent to the previous OCC meeting.

19.6 Submission of Static IPv4 Address - SRLDC Outage Portal Access

- ✓ SRLDC informed that the agenda item could be closed.

20. Outage Planning of Transmission Lines and Elements

20.1 Monthly outages of Transmission Lines and Elements proposed in the Outage Coordination Meeting:

(i) The outages proposed for the month of ***October 2026*** in respect of Transmission Lines and Elements, State Transmission Utilities, PGCIL, other transmission licensees, and by other regions would be processed and discussed in the Outage Coordination meeting scheduled on ***08.08.2026 through VC***.

Outage statistics for August 2026: SRLDC furnished the details via e-mail dated 01.09.2026, which are in ***(Annexure-20a)*** The analysis will be carried out during the Outage Coordination Meeting on 08.08.2026.

(ii) The list of outages of Transmission Lines and Elements, proposed for **October 2026**, will be mailed to OCC Google Group after closing the outage submission window on **03.09.2026 (24:00 hr)** in the outage Portal.

- ➢ ***All the entities including generators are requested to ensure participation of their representatives in the Outage Coordination Meeting scheduled on 08.08.2026.***

- ➢ The outages proposed for the month of November 2026 in respect of Transmission Lines and Elements, State Transmission Utilities, PGCIL, other transmission licensees, and by other regions would be processed and discussed in the Outage Coordination meeting scheduled on 08.10.2026 through VC.
- ➢ Outage statistics for September 2026: The analysis was carried out, by SRLDC, during the Outage Coordination Meeting on 08.10.2026.

Total SR S/D Proposals: Received 548 (Approved:481, Rejected: 60)

Inter-Regional S/Ds: ER: Received :3 (Approved: 3), WR Received: 8 (Approved: 11)

Few S/D proposals were discussed in Outage co-ordination and carried forwarded to OCC forum for taking appropriate decision.

1. **S/D for 400kV Srikakulam-Maradam D/C for Diversion works related to Mullapeta Port Road connectivity works (Additional Agenda 3 by SR I, PGCIL)**

Bhavanapadu Port Development Corporation Limited **(BPDCL)** a subsidiary of Andhra Pradesh Maritime Board, Guntur has requested for line diversion works of 400kV D/C Srikakulam-Garividi 1&2

lines to facilitate construction of Road from Mulapeta (formerly known as Bhavanapdu) port to Tekkali connecting to NH 16 in Srikakulam.

The shutdown of lines proposed with following schedule for line diversion works:

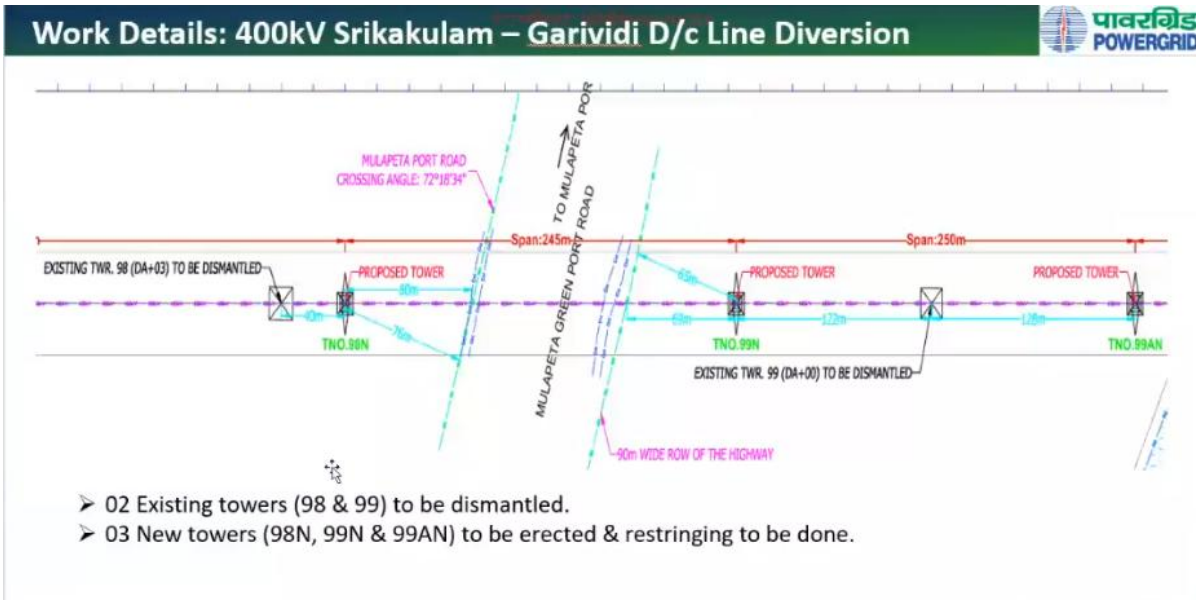
Sl. No.	Name of the line	Diversion Loc. Nos.	Works involved during S/D	Period of S/D proposed
01	400kV D/C Srikakulam-Garividi 1&2 line	96 - 101	Erection: 3 no. tower; Dismantling: 2 nos. towers; Stringing and destringing works.	10.11.26 – 09.01.27

Hence, OCC forum may kindly deliberate and concur the S/D of lines as proposed above for carrying out the line diversion works by NHAI.

Deliberations:

- ✓ In the outage co-ordination meeting, SR-I, POWERGRID, proposed a shutdown (S/D) of 60 days from 25.11.2026.
- ✓ SRLDC highlighted that the proposed shutdown would affect the Maradam and Kalpakka areas, with Maradam becoming radial and catering to a load of around 1,100–1,200 MW. In the event of a contingency, such as tripping of any single line, the voltage at Maradam could rise to 380–382 kV, raising operational concerns. Increased ICT loadings at Kalpakka and overloading of the downstream 220 kV network were also highlighted.
- ✓ SRLDC/SRPC highlighted the Standard Operating Procedure (SoP) for diversion works, emphasizing the need to avoid in-line towers to the extent possible and explore the feasibility of an Emergency Restoration System (ERS) under constrained conditions.
- ✓ SR-I, POWERGRID, presented the details of the work and informed that the transmission line crosses the National Highway at exactly 90°. As per CEA guidelines, the towers adjacent to the NHAI crossing, where the crossing angle is 70°–90°, are required to be angle towers, whereas the existing towers are suspension towers, with the permissible span limited to 250 m. Even if an alternative tower arrangement is adopted, three additional towers, apart from the two in-line towers, would be required. Hence, replacement of the in-line towers cannot be avoided under the present site conditions.
- ✓ AP SLDC opined that the shutdown of the Srikakulam–Maradam D/C line could not be accommodated in view of the planned Kalpakka–Simhadri shutdown during November, along with the NTPC Simhadri unit shutdown scheduled from 10.11.2026 for 50 days for replacement of severely corroded towers.
- ✓ SRPC observed that, considering the Kalpakka–Simhadri shutdown extending up to mid-December 2026 and the Southern Region's peak demand period in January 2027, it would not be feasible to accommodate the proposed shutdown until the peak demand period is over. Accordingly, POWERGRID was advised to explore alternatives, including ERS, and to minimize the shutdown duration.
- ✓ SR-I, POWERGRID, informed that the feasibility of ERS would be examined. However, the

site is located adjacent to a lake bed, with extensive waterlogging and paddy cultivation, severely restricting material movement and commencement of civil works. To facilitate site access, POWERGRID proposed arranging 75 HDPE sheets (Porta Decks). For the query raised by SRLDC, POWERGRID clarified that the entire work would be executed by POWERGRID and that the shutdown would be sought only after completion of the tower foundations.



Conclusion:

- POWERGRID to explore the feasibility of ERS and other alternatives, along with minimizing the shutdown duration, considering the operational constraints in the Maradam and Kalpakka areas, the planned Kalpakka–Simhadri line shutdown and NTPC Simhadri unit shutdown, and the ensuing Southern Region peak demand period in January 2027. Subsequently, POWERGRID can approach through Mid-Review window

2. **WR POWERGRID had proposed S/D of HVDC 800KV RAIGARH-GIS-HVDC POLE 1 (02.11.2026 to 03.11.2026) & POLE 2 (18.11.2026 to 19.11.2026) for AMP works.**

Deliberations:

- ✓ During the outage coordination meeting, considering the ATC curtailment of 1,500/750 MW for SR import/export, it was suggested that the shutdowns of Pole-1 and Pole-2 be clubbed with the all-pole AMP shutdown planned for December 2026. However, WR POWERGRID informed that the additional time required for these works necessitated separate shutdowns in November.
- ✓ WR POWERGRID presented the scope of work planned during the two-day all-pole shutdown and clarified that the maintenance works of Pole-1 and Pole-2 could not be accommodated along with the all-pole shutdown and the Pole-4 shutdown planned in December, owing to the substantial volume of work and space constraints that limit the simultaneous deployment of multiple work crews. Further, extensive maintenance activities are required in the common neutral area and common line area, necessitating a complete station shutdown. It was also highlighted that the accumulation of dust during November and December, due to nearby generating stations, makes cleaning of DC insulators in the poles critical.
- ✓ SR-II POWERGRID informed that the all-pole shutdown is generally availed in December

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for line maintenance, station-level Pole-4 maintenance and maintenance of common equipment associated with Bipole-1 and Bipole-2. It was further clarified that the maintenance works at the SR end would also be carried out during the same shutdown period.

Conclusion: After detailed deliberations, it was decided to facilitate the shutdown of Pole-1 on 14–15 November 2026 and Pole-2 on 21–22 November 2026, during the weekends following Diwali. POWERGRID shall strictly adhere to the approved shutdown schedule, and SR and WR POWERGRID shall coordinate to complete the maintenance works at their respective ends within the stipulated periods. It was further decided that no separate shutdown for HVDC Pole-1 and Pole-2 would be facilitated during the all-pole shutdown planned in December 2026. Accordingly, POWERGRID shall plan and complete the respective maintenance works within the approved shutdown windows.

3. TANTRANSCO had applied the below S/Ds for the construction of Bangalore-Chennai Express highway by the request of M/s NHAI & Stringing of 12no's twin move conductor loc No. 235-236, 240-241 and Stringing of Earth Wire 1No & OPGW

1	**400KV-ENNORE SEZ-SUNGAVARACHATRAM-1**	**17-Nov-2026 06:00**	**19-Nov-2026 23:40**
2	**400KV-NCTPS_STAGE_II-SUNGAVARACHATRAM-1**	**17-Nov-2026 06:00**	**21-Nov-2026 18:00**
3	**400KV-ALAMATHY-SUNGAVARACHATRAM-2**	**22-Nov-2026 06:00**	**23-Nov-2026 23:50**
4	**400KV-ALAMATHY-SUNGAVARACHATRAM-1**	**22-Nov-2026 06:00**	**26-Nov-2026 18:00**
5	**400KV-ALAMATHY-SUNGAVARACHATRAM-2**	**25-Nov-2026 00:00**	**26-Nov-2026 18:00**

Deliberations:

- ✓ TN SLDC presented the proposed shutdown schedule for the NHAI-related works (refer to ***Annexure-20b***) and proposed a revised schedule for the Ennore SEZ–Sungavarchatram-I line from 17 to 21 November 2026 and the Alamathy–Sungavarchatram-II line from 22 to 26 November 2026.
- ✓ SRLDC highlighted that Sungavarchatram is a low-voltage area and that the simultaneous shutdown of both circuits could aggravate the voltage situation. TN SLDC was advised to take immediate corrective action if the voltage falls below 380 kV and to furnish a contingency plan addressing the anticipated operational constraints before availing the shutdowns.
- ✓ TN SLDC assured the forum that the generation, power evacuation and voltage-related challenges would be managed during the shutdown period. It was further informed that, in the event of any constraint on the Alamathy–Vallur feeder, the loading would remain within its thermal limit of 700 MW.

Conclusion: The revised shutdown schedule for the NHAI-related works, as proposed by TN SLDC, subject to Tamil Nadu furnishing a contingency plan addressing generation, transmission and voltage-related constraints before availing the shutdowns was approved. TN SLDC shall ensure adequate operational preparedness and take necessary corrective measures to maintain grid

security throughout the shutdown period.

1	400KV-ENNORE SEZ-SUNGAVARACHATRAM-1	17-Nov-2026 06:00	21-Nov-2026 23:40
2	400KV-NCTPS_STAGE_II-SUNGAVARACHATRAM-1	17-Nov-2026 06:00	21-Nov-2026 18:00
3	400KV-ALAMATHY-SUNGAVARACHATRAM-2	22-Nov-2026 06:00	26-Nov-2026 18:00
4	400KV-ALAMATHY-SUNGAVARACHATRAM-1	22-Nov-2026 06:00	26-Nov-2026 18:00

20.1b Shutdown of 400kV Gooty – Nellore PS Ckt-1&2 for diversion works of transmission line by NHAI. (SR I - Additional Agenda No 4)

NHAI vide letter dtd: 04.09.26 has requested the shutdown of 400kV D/C Gooty – Nellore PS Ckt-1&2 line for Development of Six-Lane Access Controlled Greenfield Highway from Yerragudipadu (Ch.129+000) to Audireddipatte (Ch.160+000) Bengaluru - Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase -I in the state of Andhra Pradesh-(Package 6).

The shutdown of lines proposed with following schedule for line diversion works:

Sl. No.	Name of the line	Diversion Loc. Nos.	Works involved	Period of S/D proposed
01	400kV D/C Gooty – Nellore PS Ckt-1&2 line	453 - 455	Erection: 3 nos. towers; Dismantling:2no. tower; Stringing and destringing works.	01.10.2026 to 31.10.2026

OCC forum may kindly deliberate and concur the S/D of line as proposed above for carrying out the line diversion works by NHAI.

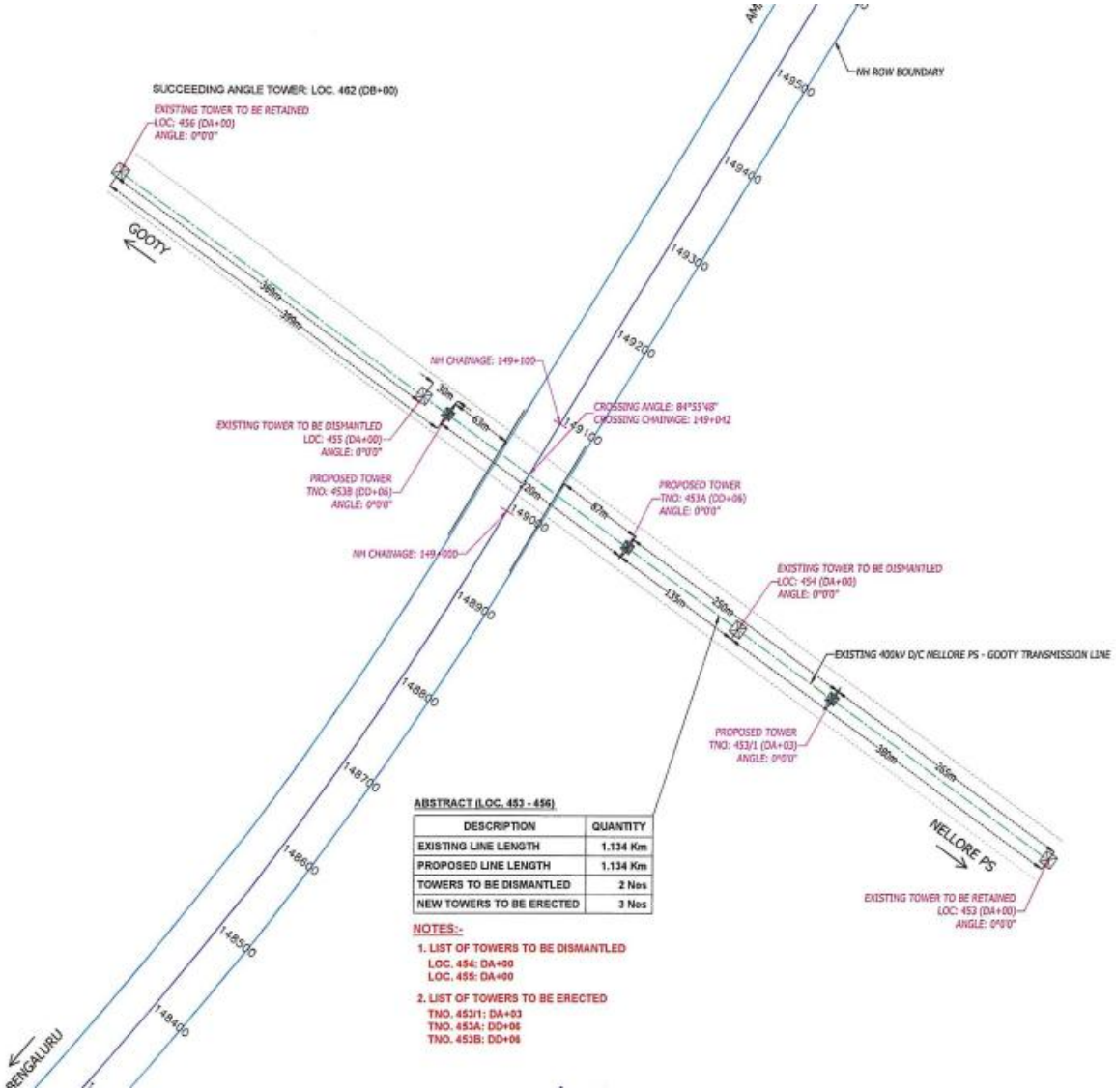
In the outage co-ordination meeting,

a) The same was discussed in the outage meeting held on 08.09.2026, it was concluded that the S/D may be availed post revival of S/D of Nellore-Thiruvallam D/C NHAI diversion works i.e., tentatively on 18.10.2026.
b) As per SoP, the aligning towers need to be avoided during diversion works, for which SR-I, POWERGRID informed that preliminary studies had been carried out and, due to RoW constraints, adoption of in-line towers was unavoidable for the subject diversion.
c) SR-I, POWERGRID was advised to furnish the detailed diversion scheme, preliminary study/justification for adoption of in-line towers and detailed plan/schedule of works to SRPC/SRLDC.

Deliberations:

In 243rd Outage co-ordination meeting, SR-I, POWERGRID, explained the technical requirements necessitating the use of in-line towers. It was informed that the transmission line crosses the

highway at an angle of 90°. As per the applicable CEA guidelines, angle towers are required adjacent to highway crossings where the crossing angle is between 70° and 90°, whereas the existing towers are suspension towers, with the permissible span limited to 250 m. Accordingly, the replacement of the existing towers with in-line tension towers was stated to be unavoidable under the prevailing site constraints.



Conclusion: The forum approved the shutdown of the 400 kV D/C Gooty–Nellore PS transmission line (Ckt-1 & 2) with effect from 23.10.2026, subject to restoration of the Nellore–Thiruvallam D/C line, which shall be revived by 23.10.2026, to facilitate the NHAI diversion works.

AA1: *Shutdown of 400kV Transmission Elements at Hyderabad Substation for Migration from Conventional Control System to SAS Based Control & Protection System*
AA2: *Shutdown of 765kV Kurnool – Nellore PS Ckt-1&2 for diversion works of transmission line by NHAI*

- Both the additional agenda items were in detail deliberated in 243rd Outage co-ordination meeting.

20.2 S/D of 400KV-JANAGAON-JULURUPADU (NHAI Diversion works)

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TGTRANSCO had requested for Erection of newly proposed tower no. 223(DD+03), 224(DB+0), Circuit-1&2 Stringing between Loc.No.222-225 (1.098KM) and commissioning by NHAI as below

a) Ckt 1 from 01st Sept to 07th Sept
b) Double ckt from 08th Sept to 19th Sept
c) Ckt 2 from 20th Sept to 21st Sept

- ✓ During the 241st Outage Coordination Meeting held on 09.08.2026, TGSLDC informed that NHAI was not ready to undertake the works during September 2026 and requested that the shutdown be deferred to November 2026.
- ✓ Further, during the 241st & 242nd OCC, TGSLDC assured that, in coordination with NHAI, the RoW diagram, requisite approvals/clearances and other relevant details of the proposed work would be furnished to the forum. TG SLDC also assured that the works would be comprehensively planned and coordinated with NHAI so that no further shutdown of the concerned transmission line would be required for the same/related works.
- ✓ It was also advised that completion of the diversion works to be taken before SR peak period, any pending AOH/routine maintenance activities on the concerned line may be suitably clubbed with the proposed long-duration shutdown, wherever technically feasible, to optimize the outage and avoid repeated shutdown requirements.

➢ ***TG SLDC may respond***

Deliberations/Conclusion:

- ➢ In the 243rd outage co-ordination meeting, TG SLDC proposed revised shutdown dates in accordance with NHAI's request and assured the forum that the works would be comprehensively planned and coordinated with NHAI to avoid any further shutdown of the concerned transmission line for the same works. TG SLDC also furnished the detailed work schedule on a day-to-day basis.
- ➢ **The forum approved the proposed shutdown schedule, as requested by TG SLDC, with Ckt-1 from 10 to 28 November 2026 and Ckt-2 from 17 to 30 November 2026**.
- ➢ TG SLDC shall furnish the Right of Way (RoW) diagram, requisite approvals/clearances and other relevant details of the proposed works before availing the shutdown. Further, TG SLDC shall furnish the progress of the works on a weekly basis to monitor adherence to the approved schedule and ensure completion within the stipulated period.

20.3 Furnishing of Maintenance Proposals Received on Monthly Basis by TANTRANSCO

a. The issue of frequent/monthly shutdown proposals for maintenance of EHV transmission elements in Tamil Nadu has been under deliberation since the 57 TCC–54 SRPC Meeting, wherein TANTRANSCO/TNSLDC was advised to formulate a comprehensive Standard Operating Procedure (SoP) for systematic planning and execution of maintenance activities, with approval at the appropriate higher management level.

b. The matter was further deliberated in detail during the 241st OCC, wherein TNSLDC informed that instructions had been reiterated to TNEB officials during the 37th GCC meeting for minimizing outages and ensuring adherence to the prescribed outage procedure. TNSLDC also informed that a separate committee was proposed to be constituted for formulation of the revised SoP and approval of the higher management of TANTRANSCO was awaited.

c. During the deliberations, maintenance practices followed by other State utilities and PGCIL were also discussed. It was observed that maintenance activities requiring shutdown are generally planned on a quarterly, half-yearly or annual basis, as applicable. The forum emphasized the need for advance planning and coordination of maintenance activities of various wings during a shutdown so as to minimize repeated outage requirements.

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d. Considering the recurring breakdowns reported particularly in and around Chennai, it was also emphasized that the proposed SoP should suitably address the maintenance requirements of critical transmission elements and elements located in high pollution/salinity areas, based on their criticality and prevailing site conditions.

e. Accordingly, all SLDCs/transmission licensees were advised to share their existing SoP/maintenance practices with SRPC for compilation and circulation among the constituents. TNSLDC/TANTRANSCO was advised to expedite formulation of the comprehensive SoP, duly considering suitable practices followed by other utilities, advance scheduling of shutdowns, identification of critical/site-specific maintenance requirements and coordination of activities of different wings during the shutdown.

f. In 242nd OCC, all transmission licensees were advised to furnish their existing maintenance SoP/practices to SRPC. Upon receipt of the inputs from all transmission licensees, SRPC shall compile the maintenance practices/SoPs, and the same shall be discussed in the upcoming OCC for evolving a comprehensive maintenance framework/best practice for the Southern Region.

g. Subsequently, SR I, POWEGRID had furnished the basic maintenance scheduling details of Transmission elements & SRPC vide mail dtd 01.10.2026 had mailed to all transmission licenses to share their best practices at the earliest for onward compiling and discussing the same in the OCC.

- ***The status of receipt/compilation of maintenance SoPs/practices from the concerned utilities***
- ***TNSLDC/TANTRANSCO may update the progress made towards formulation of the comprehensive maintenance SoP & the timeline for finalizing the same.***

Deliberations/Conclusion

- In this regard, AP SLDC, POWERGRID and KAR SLDC furnished the best practices followed by the respective transmission licensees, while TG SLDC furnished partial information. TG SLDC assured that the remaining information would be submitted by 20 October 2026. Upon receipt of the complete information from all transmission licensees, SRPC shall consolidate and finalize the SoP within one week.

20.4 Consolidated outage calendar for proposed diversion works by project developers

a) The requirement for furnishing a consolidated outage calendar for FY 2026–27 covering all infrastructure diversion works requiring shutdown of transmission elements was deliberated in detail during the 241st OCC. The calendar was envisaged to facilitate advance outage planning, identify multiple diversion works proposed on the same transmission element and explore clubbing of shutdown requirements, wherever feasible.

b) During the deliberations, it was emphasized that the consolidated calendar shall cover the shutdown requirements received from NHAI, Railways, Irrigation/Water Resources Departments and other infrastructure agencies/project developers, indicating the concerned transmission element, concessionaire/project developer, location of diversion, tentative shutdown period, status/readiness of works and expected completion schedule.

c) It was further emphasized that, for critical transmission elements, the concerned Transmission Licensee shall examine the requirement and technical feasibility of deployment of ERS/other contingency arrangements at the planning stage itself, in consultation with the concerned System Operator. Wherever ERS deployment is considered necessary, suitable provisions shall be incorporated in the agreement/MoU with the concerned project developer/concessionaire.

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d) In the 241st OCC, SR-I & SR-II, PGCIL had agreed to furnish/update their consolidated diversion plans covering the period up to March 2027. In 242nd OCC, SR I & SR II POWERGRID had furnished the consolidated outage calendar up to March 2027, covering the proposed infrastructure diversion works. APSLDC had also informed that the annual calendar covering maintenance and infrastructure diversion works was under preparation and would be submitted to SRPC.

e) Further, it was emphasized that such repeated shutdown requirements within a short interval shall be avoided through comprehensive advance planning and coordination with NHAI/concessionaires

- ***All STUs/SLDCs/Transmission Licensees may furnish/update the consolidated outage calendar, covering all known/proposed infrastructure diversion works requiring transmission outages.***
- ***The concerned Transmission Licensees may also identify critical transmission elements involving diversion works and indicate the requirement/feasibility of ERS or other contingency arrangements, wherever applicable***

- ✓ SR-I, POWERGRID furnished the revised list of transmission line diversion works.
- ✓ KSEB furnished the shutdown proposal for Kochi Metro diversion works planned for December 2026.
- ✓ TN SLDC informed that coordination with all the concerned entities is yet to be completed.
- ✓ KAR SLDC informed that proposals had been received from one zone and that the consolidated details for the remaining zones would be furnished within a week.

20.5 Diversion of 400 kV Thiruvalam - Nellore D/C, 400KV Kolar-Thiruvalam S/C, 400KV Kolar-Sriperumbduur S/C line of Multi circuit tower for NHAI Works

The Bangalore–Chennai Expressway crosses the 400 kV multi-circuit tower at location 461–462, which currently carries the following transmission lines:

400 kV Thiruvalam–Nellore D/C

400 kV Kolar–Thiruvalam S/C

400 kV Kolar–Sriperumbudur S/C

a) NHAI had initially sought shutdown of the above multi-circuit arrangement for about 26 days for execution of the diversion works.

b) The matter has been under deliberation in OCC since the 236th OCC. Considering the criticality of the corridor and the prolonged shutdown requirement, NHAI was advised to examine the feasibility of bypassing the 400 kV Kolar–Thiruvalam S/C and 400 kV Kolar–Sriperumbudur S/C at the multi-circuit tower. SR-II, PGCIL had accordingly furnished the bypass arrangement and proposed shutdown plan. However, considering the prevailing system conditions, it was decided that the shutdown could be considered only after the SR peak demand period.

c) SR-II, PGCIL further informed that, as per the latest request received from NHAI, the shutdown was proposed to be availed w.e.f. 01.09.2026. However, considering that the 400 kV Vijayawada–Nellore Ckt. 3 & 4 were expected to be revived by 02.09.2026, it was opined that the shutdown of the 400 kV Nellore–Thiruvalam D/C and associated circuits may be facilitated after revival of the Vijayawada–Nellore circuits, subject to prevailing system conditions.

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d) Accordingly, TNSLDC/TANTRANSCO and SR-II, PGCIL were advised to coordinate and facilitate the requisite 110 kV shutdown/ERS arrangement at the earliest. Thereafter, SR-II, PGCIL was advised to avail the shutdown of the 400 kV multi-circuit lines after restoration of the 400 kV Vijayawada–Nellore Ckt. 3 & 4.

e) In real time, the S/D was availed from 24.09.2026 at 13:17 & 13:20Hrs for 30 days i.e., 23.10.2026.

➢ ***SR II PGCIL may update the status.***

✓ In the OCC meeting, SR-II, POWERGRID informed that the shutdown had been availed on 24.09.2026 and the line was scheduled to be restored by 23.10.2026.

Post OCC Update:

✓ SR-II, POWERGRID, vide email dated 16.10.2026, informed that communications dated 06.10.2026, 08.10.2026 and 14.10.2026 had been addressed to NHAI regarding the delay in execution of the diversion works. Despite repeated follow-ups, the concessionaire had not adhered to the committed plan of erecting both towers simultaneously using two separate cranes. Instead, NHAI/the concessionaire proposed to partially erect one tower using a single crane and subsequently shift the same crane to erect the other tower, contrary to the commitment made at the commencement of the work. POWERGRID highlighted that this approach would significantly affect the progress of work and delay completion.

✓ It was further observed that no response or justification had been received regarding the deviation from the agreed execution plan. Subsequently, vide email dated 16.10.2026, NHAI requested an extension of the shutdown until 05.11.2026, citing inclement weather and actual site conditions. However, these constraints had not been highlighted in the earlier communications accompanying the shutdown request. The delayed execution and request for an extension raised concerns regarding adherence to the committed schedule for the national highway project and the prolonged unavailability of the transmission line.

✓ It was also observed that no progress updates or status reports had been furnished since the shutdown commenced on 24.09.2026.

20.6 Shutdown of 400kV D/C Kadapa - Madugiri Ckt-1s2 for diversion works of transmission line by NHAI.

- NHAI vide letter dtd: 18.06.26 has requested the shutdown of 400kV D/C Kadapa - Madugiri Ckt-1C2 Line for Development of Six-Lane Access Controlled Greenfield Highway from Kodur (Ch.0+000) to Vanavolu (Ch.24+300) Bengaluru Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh-(Package '1).
- The shutdown of lines proposed with following schedule for line diversion works:

Sl. No.	Name of the line	Diversion Loc. Nos.	Works involved	Period of S/D proposed
01	400kV D/C Kadapa - Madugiri Ckt-1C2 line	397 - 401	Erection: 6 nos. towers; Dismantling: 5no. tower; Stringing and destringing works.	16.08.2026 to 31.08.2026

- This S/D was discussed in 240th Outage co-ordination meeting on 09.07.2026 & approved from Last week of August 2026 after observing the line loadings from the DLR installed on 400kV Gooty-Pavagada, tentatively 26.08.2026 for 20 days. In real time, the S/D was availed from 26.08.2026 for 20 days i.e., till 14.09.2026

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- In the 242nd OCC meeting, SR-I, POWERGRID informed that, due to heavy rains, a delay of about 1–2 days in completion of the diversion works was anticipated. Considering the circumstances, the Forum concurred with the same and advised early completion/restoration of the line.
- Subsequently, SR-I, POWERGRID vide email dated 16.09.2026 informed that, during inspection, misalignment of Tower No. 401N was observed. NHAI was accordingly advised to rectify the same and had initiated dismantling of the existing foundation and recasting of the foundation. In view of the additional works involved, extension of the shutdown up to 27.09.2026 was sought.
- SRPC vide email dated 16.09.2026 expressed concern regarding the extension of the outage of the critical D/C line by nearly two weeks beyond the approved period, particularly in view of the operational constraints highlighted by SRLDC. It was also observed that the weekly progress reports stipulated while facilitating the outage had not been furnished by SR-I, POWERGRID/NHAI up to 14.09.2026.
- SR-I, POWERGRID was accordingly requested to furnish detailed justification for the misalignment of Tower No. 401N and its delayed detection, details of the pre-execution checks, supervision and quality-control measures adopted, activity-wise planned vis-à-vis actual progress, reasons for non-submission of the weekly progress reports, and a detailed day-wise restoration schedule, including manpower/machinery deployment and activities being undertaken concurrently to expedite restoration.
- SR-I, POWERGRID was further advised to monitor the works at senior management level, furnish progress updates supported by site photographs and make all-out efforts to restore both circuits at the earliest, without waiting until the last date of the requested extension

➢ ***SRLDC/SR I PGCIL may update the status***

Deliberations:

- ✓ SR-I, POWERGRID, informed that, as per the MoU between POWERGRID and NHAI, POWERGRID's role is limited to supervising site works on a sample basis, including verification of the tower profile and marking of the deviation angle through joint inspection, and certifying the same before granting the requisite approvals.
- ✓ In the present case, the tower centre was marked correctly. However, during excavation/foundation execution by NHAI, an angular deviation of approximately 2°–3° was introduced at the tower foundation of Tower No. 401N due to improper execution. This deviation was not detectable during the tower erection stage and became apparent only during subsequent stringing activities. Although a gap of approximately 10–15 days existed between completion of the tower foundation and commencement of stringing, the deviation could not be identified until the stringing work commenced.
- ✓ During stringing, a shortage of conductor was observed, prompting a detailed investigation by POWERGRID, which established that the 2°–3° angular deviation in the foundation of Tower No. 401N had resulted in the conductor shortage.

Conclusion:

- ✓ POWERGRID was advised to strengthen coordination and supervision of diversion works, within the scope of its agreed responsibilities, to ensure timely identification of deviations and prevent recurrence of similar issues in future.

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21. Review of Maintenance schedule of Units (CGS/IPPs connected to ISTS)

The MoP approved Outage Plan for SR generators for the period from **April 2026 to March 2027** (segregated month-wise, Generator wise) was circulated and outage plan for the period from October 2026 to December 2026 is at (***Annexure-21a***)

a) During the last few OCC Meetings, while reviewing the unit-wise outage status, several instances were observed involving extension of approved outage durations, delay in revival beyond the approved schedule, changes in the planned outage dates, and overlapping/closely spaced outages of generating units. In certain cases, additional time was sought due to maintenance-related issues, equipment-related constraints, availability of manpower/materials and other site-specific requirements.

b) The Forum has, on various occasions, emphasized that the approved outage schedule shall be adhered to as far as possible and that any anticipated delay in revival shall be communicated well in advance, along with the revised restoration schedule. It was also emphasized that deviations from the approved outage schedule, particularly last-minute changes, may have an impact on system availability and beneficiary requirements.

c) The need for rationalization of upcoming AOH schedules was also emphasized, particularly to avoid simultaneous/overlapping outages of multiple major generating units and to ensure adequate generation availability during the Southern Region peak demand period.

d) Further, instances were observed where an ongoing outage was extended while other generating units were also scheduled/being considered for outage during the same period. Such situations necessitate closer coordination between generating stations, beneficiaries, SLDCs and SRLDC for optimizing the outage sequence and minimizing the impact on system availability.

e) In the meeting on 24.09.2026 chaired by Chairperson, CEA, the importance of maintaining adequate generation availability and optimizing planned outages was highlighted. The generating utilities were advised to examine the possibility of deferring upcoming AOH wherever feasible and, wherever possible, ensuring early revival of units already under planned outage, considering the prevailing system requirements.

f) In view of the above, the generating utilities may review their upcoming AOH schedules as well as the progress of units presently under outage and take necessary measures to optimize the outage schedule, particularly with reference to the on-going El-nino demand period.

➢ ***All the SLDCs/GENCOS/Generators may strictly adhere to the approved Maintenance schedule & hereby requested to come prepared for update the status.***

Deliberations:

NTPC/NTECL Units:

a) Telangana STPP:

✓ NTPC Telangana confirmed its plan to commence the Annual Overhaul (AOH) from 01.11.2026 as scheduled.

✓ TG SLDC requested postponement of the AOH by two weeks, considering the prevailing El Niño conditions and anticipated state demand. SRPC advised TG SLDC and NTPC Telangana to mutually discuss the proposal and finalize the schedule, considering that Telangana is a major beneficiary of the generating station.

Post OCC Update:

✓ Subsequently, TG SLDC, vide letter dated 13.10.2026 ***(Annexure-21b),*** requested NTPC Telangana to defer the AOH by two weeks. NTPC Telangana, vide its communication dated 14.10.2026 ***(Annexure-21c)***, agreed to commence the AOH from 10.11.2026 for 45 days, up to 24.12.2026.

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Conclusion: The forum approved the revised AOH schedule of Telangana STPP from 10.11.2026 to 24.12.2026 for a period of 45 days.

b) RAMAGUNDEM STPS Unit-5

- ✓ The AOH of NTPC Ramagundem was as per schedule and the unit was revived on 30.09.2026, as originally approved.

c) Talcher STPS Unit-6 & 3:

- ✓ **Unit-6:** NTPC Talcher/SRHQ was requested to furnish the reasons for the 2-day delay in revival of the unit against the approved schedule.
- ✓ **Unit-3:** NTPC Talcher/SRHQ was requested to furnish the reasons for maintaining a 4-day gap before availing the outage, despite the Forum's decision to restrict the gap between consecutive unit outages to a maximum of 2 days

d) NTPC Kudgi Unit-1

- ✓ The AOH of NTPC Kudgi Unit-1 was availed on 21.08.2026 at 08:26 Hrs for a duration of 60 days.
- ✓ NTPC Kudgi informed that the AOH is progressing as per schedule and the unit is expected to be revived on 19.10.2026, as per the approved schedule.
- ✓ The forum suggested exploring the possibility of early revival of the unit, if feasible.

Post OCC Update:

- ✓ It was noted that NTPC Kudgi Unit-1 was successfully revived on 15.10.2026 at 08:37 hrs, approximately four days ahead of the approved schedule. The forum appreciated NTPC Kudgi for the early completion of the AOH and timely restoration of the unit, thereby enhancing generation availability in the Southern Region.

e) NTPC Simhadri Unit 4:

- ✓ NTPC, vide email dated 21.09.2026, informed that Unit-4 was revived/synchronized on 20.09.2026 at 18:10 Hrs, i.e., one day beyond the approved timeline
- ✓ NTPC Simhadri attributed the delay to an unexpected issue identified in the HPT rotor.
- ✓ The forum advised NTPC to adhere strictly to the approved outage schedule and make all efforts to avoid delays in future.

f) RAMAGUNDEM STPS Unit 1:

- ✓ NTPC, vide email dated 30.06.2026, furnished the revised AOH schedule, wherein the AOH of Unit-1 was scheduled from 20.01.2027 for 30 days
- ✓ The Forum accorded in-principal approval for the AOH of Unit-1, subject to NTPC Ramagundem expediting the possibility of preponing the outage by about two weeks i.e., 01.01.2027, so as to ensure revival of the unit by the end of January 2027. The same will be discussed in the upcoming OCC.

g) Rationalization of AOH Schedules of NTPC Telangana Unit-1, Kudgi STPP Unit-3, Ramagundam STPS Unit-7, Simhadri Unit-2 & Talcher Unit 5:

- ✓ During the previous OCC meeting, NTPC was advised to rationalize the AOH schedules of the above units, considering the 1,700 MW outage limitation and the Southern Region peak demand period, and furnish the finalized/revised schedules in the subsequent OCC meeting.
- ✓ Accordingly, NTPC, vide email dated 25.09.2026, submitted revised AOH schedules for units of 500 MW and above, as detailed below:

As submitted to SRPC						New Proposed Dates		Remark
Station	Unit	MW	No Of Days	From	To	From	To	
TELANGANA STPP	1	800	45	01-Nov-26	15-Dec-26	01-Nov-26	15-Dec-26	No Change

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KUDGI STPP	**3**	800	40	15-Nov-26	24-Dec-26	15-Dec-26	23-Jan-27	Tentativey rescheduled from 15th Dec-26 to have 3 units at a time as communicated by SRPC
RAMAGUNDEM STPS	**7**	500	35	18-Nov-26	22-Dec-26	18-Nov-26	22-Dec-26	No Change
SIMHADRI	**2**	500	50	10-Nov-26	29-Dec-26	17-Nov-26	05-Jan-27	Plan changed considering Festivals.
TALCHER STPS	**5**	500	35	08-Jan-27	11-Feb-27	08-Jan-27	11-Feb-27	No Change

Deliberations:

- ✓ KAR SLDC emphasized the need to avail the AOH of NTPC Kudgi Unit-3 during the first half of November 2026, failing which the AOH might have to be deferred to the next financial year. It was also suggested that NTPC explore the possibility of deferring any other unit, if feasible, considering that some State-sector units had also postponed their outages.
- ✓ TG SLDC reiterated concerns regarding the prevailing State demand and depletion of hydro reserves and requested that NTPC units be scheduled for AOH after mid-November 2026.
- ✓ NTPC SRHQ informed that the feasibility of availing the AOH as proposed would be examined and communicated to the forum shortly.
- ✓ **Ramagundam STPS Unit-7**: NTPC Ramagundam confirmed that the AOH would be undertaken as per the approved schedule commencing on 18.11.2026.
- ✓ **Talcher STPS Unit-5:** Talcher STPS informed that the AOH of Unit-2 had been postponed due to the HVDC shutdown, necessitating a corresponding review of the schedule for Unit-5. MS, SRPC, observed that the Southern Region peak demand period would commence after mid-January 2027 and advised Talcher STPS and NTPC SRHQ to mutually review the schedule to ensure that the AOH of Unit-5 was completed by the end of January 2027.
- ✓ **Simhadri Unit-2:** AP SLDC informed that the 400 kV Simhadri–Kalpakka line shutdown had already been planned for 50 days for replacement of severely corroded towers and, therefore, requested that the AOH of Simhadri Unit-2 be undertaken as originally scheduled from 10.11.2026. However, NTPC requested approval to commence the AOH from 17.11.2026, citing difficulties in manpower mobilization during the festival season.
- ✓ All SLDCs of Andhra Pradesh, Karnataka, Kerala, Telangana, Tamil Nadu and Puducherry concurred with the proposal to undertake the AOH of four units during November 2026, subject to the deliberations and decisions recorded for the respective units.

Conclusion:

1. **NTPC Telangana Unit-1:** The AOH was approved from 10.11.2026 for 45 days, up to 24.12.2026, as mutually agreed by NTPC Telangana and TG SLDC**.**
2. **Simhadri Unit-2:** The AOH was approved from 17.11.2026 for 50 days, as requested by NTPC, considering the requirement for manpower mobilization during the festival season.
3. **Ramagundam STPS Unit-7:** The AOH was approved as per the existing schedule commencing on 18.11.2026 for 35 days.
4. **Talcher STPS Unit-5:** Talcher STPS and NTPC SRHQ were advised to review and finalize the AOH schedule to ensure completion of the overhaul by the end of January 2027, considering the Southern Region peak demand period.
5. **Kudgi STPP Unit-3:** NTPC SRHQ/NTPC Kudgi was advised to examine the feasibility of availing the AOH during the first half of November 2026, i.e., from a suitable date between 01 and 15 November 2026 for 40 days, or postponing it to the next financial year, and communicate its decision to SRPC at the earliest.

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NLCIL/NTPL Units:

h) Neyveli TPS-II Unit-4 & Unit 5:

- ✓ TPS-II, vide email dated 30.09.2026, requested an extension of the shutdown of Unit 4 up to 07.10.2026. However, as on 09.10.2026, the unit had not been revived, and the SRLDC daily report indicated the expected revival date as 13.10.2026. Further, Boiler Light-up (BLR) of Unit 5 was undertaken in parallel without prior approval and was not reflected in the SRLDC daily report.
- ✓ TPS-II informed that five out of its seven units were in service. It stated that the extension of Unit 4 AOH up to 07.10.2026 had been requested due to air preheater (APH) issues; however, the work was still in progress, necessitating a further extension up to 11.10.2026.
- ✓ It was also noted that the boiler licence of Unit 5 was due for renewal by 02.10.2026, for which a short outage of four days was availed. This was considered undesirable. In response to SRPC's query regarding whether a separate AOH would be undertaken for Unit 5, TPS-II subsequently informed that the AOH would be availed later. TPS-II was advised to furnish the reasons for not undertaking Boiler Tube Leakage (BTL) works along with the Turbine Major Overhaul (MOH).
- ✓ Further, as highlighted in previous OCC meetings, NLCIL had not yet furnished the reasons for the extension of Unit 1 & 3 outage, as sought during the 241st and 242nd OCC meetings. NLCIL was advised to furnish the reasons and formally communicate the same to SRPC/SRLDC at the earliest.

i) NTPL Tuticorin Unit 1:

- ✓ NTPL, vide letter dated 14.09.2026, requested extension of the outage up to 18.09.2026, mainly due to delay in erection and commissioning of the repaired Unit-1 R-phase Generator Transformer (GT). The repaired GT, which was received at site only on 05.09.2026, was delayed due to monsoon conditions in Kerala and manpower constraints during Onam holidays. Further, it was informed that the GT erection/commissioning activities took longer than anticipated, coupled with delay in transportation of GT oil from Gujarat. Site testing was planned on 15.09.2026, fol-lowed by obtaining the requisite CEA statutory approval and SRLDC approval for first-time charging of the GT. Accordingly, NTPL indicated a revised tentative synchronization date of 18.09.2026 and requested approval for extension of the planned outage up to the said date.
- ✓ NTPL, vide letter dated 18.09.2026, informed that further delay in receipt of GT oil had affect-ed the subsequent testing, statutory approvals and commissioning activities. Accordingly, NTPL requested further extension of the outage up to 23.09.2026, with expected synchronization of Unit-1 on 23.09.2026. It was observed with concern, that the unit was not revived as on 23.09.2026. Finally, it was revived on 24.09.2026 (as per SRLDC reports)
- ✓ NTPL explained that the delay in GT oil testing resulted in a further delay of one day in the revival of the unit

j) TPS I Exp Unit 2 & Unit 1:

Unit 2:

- ✓ TPS I Exp mail dtd 15.09.2026 & 16.09.2026 had informed that the unit 2 will be revived by 18.09.2026. However, the unit was revived on 20.09.2026 at 21:13Hrs
- ✓ TPS I Exp informed that due to GT bushing delay, 2 days was got delayed.

Unit 1:

- ✓ Further, it was informed that unit 1 will be postponed to the first week of December 2026.

k) TPS II Exp Unit 2:

- ✓ It was informed that it will be postponed to first week of January 2026 due to delay in other units.

l) NTPL Tuticorin Unit 2:

- ✓ Since the Boiler License will be expiring by 5th January 2027. Hence it may be availed during the last week of December 2026.

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Conclusion: Whenever an extension of a unit outage or postponement of AOH beyond the approved schedule is proposed, NLCIL was advised to proactively furnish a revised, comprehensive maintenance schedule covering all generating units, excluding TPS-II units, through its designated Nodal Officer.

Further, the condition of maintaining only one unit under outage at a time among NLCIL units (excluding TPS-II) and NTPL units shall be strictly adhered to, to ensure availability of generation capacity in line with the LGBR requirements of the beneficiaries.

NPCIL Units

m) Kaiga Unit 1, 4 & 2:

- ✓ Unit 1: It was informed that the revival of Unit 1 had been further postponed to the first week of November 2026, against the second week of October 2026 indicated during the 242nd OCC, due to pending activities and delays in obtaining approvals during the revival process. The Forum noted the constraints faced by Kaiga and advised strict adherence to the approved outage schedule.
- ✓ Unit 4: As indicated in Kaiga's letter dated 09.10.2026, the outage was initially planned from mid-May 2027. However, following the Forum's advice to avoid outages during the SR peak period, the schedule was discussed with AERB, and the outage was proposed to be advanced to 07.04.2027.
- ✓ Unit 2: It was informed that the AOH was planned during February–March 2027

Conclusion: The Forum advised Kaiga to review the outage schedules of Units 1, 2 and 4, as the non-availability of all these units during the SR peak demand period, which is expected to commence around February 2027, would adversely affect the interests of the beneficiaries.

Post-OCC Update: The concern regarding Kaiga planning AOH/shutdowns during the SR peak demand period was taken up with Member (GO&D), CEA, seeking appropriate directions to NPCIL.

ISTS connected IPPS units:

n) SEIL P-II Unit 1:

- ✓ SEIL Phase-II, vide email dated 08.10.2026, informed that the unit outage had been postponed due to the availability of spares. The revised outage schedule would be communicated later, based on spare availability. Forum noted the same.

o) MPGL Unit 1:

- ✓ MPGL informed that the outage schedule was affected by the non-availability of turbine and rotor spares, and the matter had been discussed with its higher management. The required materials were expected to reach the site from China by 15.01.2027. Accordingly, MPGL proposed to undertake the outage tentatively from 27.01.2027 for a period of 40 days.
- ✓ TN SLDC expressed concern that the proposed outage period would make it difficult to manage the State's demand and requested MPGL to advance the outage to before Pongal or defer it to the next financial year.

Conclusion: The Forum advised MPGL to discuss the matter bilaterally with TN SLDC and arrive at a mutually agreed outage schedule.

22. ERS-Cumulative line length (ckm) data- kV level wise wrt States/POWERGRID/TBCB projects - CEA data requirement

A. Compliance of ERS in Southern Region

a) As per MoP/CEA directions, ERS readiness in SR was reviewed on 10.05.2025; states/licensees with shortfalls were advised to prioritize procurement or mutual agreements.

b) The status is being reviewed in OCC and SRPC meetings. This agenda was deliberated in detail in the recent 55th TCC/ 58th SRPC meeting held on 24th/ 28th July 2026. Utilities were requested to furnish any further updates, if any, to SRPC

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Updated Status as per 58 SRPC-55 TCC

Entity	ERS Required	ERS Available	Shortfall / Remarks
Andhra Pradesh	5	2	**Shortfall of 3.** **55th TCC:** Administrative approval accorded. Tender specifications being prepared for 1 set of ERS.
Telangana	5	1	**Shortfall of 4.** **55th TCC**: TGTRANSCO informed that 2nd ERS system is being planned. Simultaneously, exemption is being planned to be sought from CEA to reduce the requirement from 5 Nos. to 2 Nos., considering the comparatively lower seismic risk in the geographical area of Telangana.
Karnataka	4	1	**Shortfall of 3.** **55th TCC**: KPTCL informed that 1 No. of 400 kV tower available at Bangalore and 1 No. of 400 kV tower at Hubli, which may be considered as 1 ERS system. Tendering process initiated for 3 nos. of additional ERS set.
Kerala	2	0	**Shortfall of 2**. **55th TCC**: KSEBL informed that Board has given approval for new Make in India conditions. Re-tendering process is going on. Planned to purchase ERS in 2 years. Two nos. of sets of ERS are planned to be procured (1 ERS set = 4 towers planned)
Tamil Nadu	6	2	**Shortfall of 4.** **55th TCC**: TANTRANSCO informed that four additional ERS units are planned, including one at 765 kV level, considering future transmission expansion and upcoming 765 kV infrastructure. TANTRANSCO informed they will initiate action for 4 nos. of ERS sets shortly.
Puducherry	Mutual sharing agreement	0	**55th TCC**: PED informed that PGCIL had given consent to share for natural calamities only
PGCIL – SR-II	4	2	**Shortfall of 2** **55th TCC**: POWERGRID stated that order is placed for 5 Nos. for SR. SR-1 – 2 Nos (1 No. 765 kV set: Kadapa S/S, 1 No. 400 kV set: Ghanapur (Hyderabad) S/S) SR-2 – 3 Nos. (3 Nos of 400 kV sets, one each at Somanahalli S/S, Madurai S/S and Trichur S/S) Order placed on 06.10.2025. Delivery is expected by May 2027.
PGCIL – SR-I	5	3	**Shortfall of 2**

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Kudgi TL	1	0	At least 1 ERS set is required for Kudgi TL in SR which is compatible upto 765 kV. Sterlite Invit and Kudgi TL have a binding agreement that allows Kudgi TL to deploy ERS in an emergency situation.
MTL, RSTCL, KNTL, Gadag (IndiGrid)	1	0	At least 1 ERS set is required for Indigrid in SR which is compatible upto 765 kV. **55th TCC**: Placed order for procuring ERS in SR. Expected by April 2027.
PGCIL TBCBs (VTL, PNMTL, PSITSL)	-	-	Considered in PGCIL ckm as per deliberation in 52nd TCC/55th SRPC meeting.
WKTL, Karur TL (Adani Energy Solutions Limited)	1	0	At least 1 ERS set is required for AESL in SR which is compatible upto 765 kV. **55th TCC**: 3 ERS are present on PAN India Basis. 1 ERS in NR (400 kV – 14 towers at Bikaner SS), 2 ERS in WR (765 kV – 18 towers in each set at Koradi SS(Nagpur) and Sami SS(Gujarat)). In case of emergency, the ERS be moved to SR in few days from Koradi SS which is in proximity.
Gadag TL (Gadag IIA) (Renew)	Mutual sharing agreement	0	**55th TCC**: ReNew (Gadag Transmission Limited) currently has access to one ERS set located at Kutch (Gujarat), compatible up to 400 kV. In addition, two more ERS sets are planned for procurement, to be stationed at Kutch/Solapur region, which can be mobilized for ReNew's assets during any emergency.

Updates, may be furnished

Updated Status as per 243rd OCC Meeting is mentioned in the below table:

Entity	ERS Required	ERS Available	Shortfall / Remarks
Andhra Pradesh	5	2	**Shortfall of 3.** **243rd OCC**: Tender called for 1 set of 400 kV ERS.
Telangana	5	1	**Shortfall of 4.** **243rd OCC**: TGTRANSCO informed that 2nd ERS system is being planned. Simultaneously, exemption is being planned to be sought from CEA to reduce the requirement from 5 Nos. to 2 Nos., considering the comparatively lower seismic risk in the geographical area of Telangana.

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Karnataka	4	1	**Shortfall of 3.** **243rd OCC**: KPTCL informed that 1 No. of 400 kV tower available at Bangalore and 1 No. of 400 kV tower at Hubli, which may be considered as 1 ERS system. Tendering process initiated for 3 nos. of additional ERS set.
Kerala	2	0	**Shortfall of 2**. **243rd OCC**: KSEBL informed that Board has given approval for new Make in India conditions. Re-tendering process is not yet initiated. Planned to purchase ERS in 2 years. Two nos. of sets of ERS are planned to be procured (1 ERS set = 4 towers planned)
Tamil Nadu	6	2	**Shortfall of 4.** **243rd OCC**: TANTRANSCO informed that four additional ERS units are planned, including one at 765 kV level, considering future transmission expansion and upcoming 765 kV infrastructure. TANTRANSCO informed they will initiate action for 4 nos. of ERS sets shortly.
Puducherry	Mutual sharing agreement	0	**243rd OCC**: PED informed that PGCIL had given consent to share for natural calamities only
PGCIL – SR-II	4	2	**Shortfall of 2** **243rd OCC**: POWERGRID stated that order is placed for 5 Nos. for SR. SR-1 – 2 Nos (1 No. 765 kV set: Kadapa S/S, 1 No. 400 kV set: Ghanapur (Hyderabad) S/S) SR-2 – 3 Nos. (3 Nos of 400 kV sets, one each at Somanahalli S/S, Madurai S/S and Trichur S/S) Order placed on 06.10.2025. Delivery is expected by May 2027.
PGCIL – SR-I	5	3	**Shortfall of 2**
Kudgi TL	1	0	At least 1 ERS set is required for Kudgi TL in SR which is compatible upto 765 kV. Sterlite Invit and Kudgi TL have a binding agreement that allows Kudgi TL to deploy ERS in an emergency situation.
MTL, RSTCL, KNTL, Gadag (IndiGrid)	1	0	At least 1 ERS set is required for Indigrid in SR which is compatible upto 765 kV. **243rd OCC**: Placed order for procuring ERS in SR. Expected by April 2027.
PGCIL TBCBs (VTL, PNMTL, PSITSL)	-	-	Considered in PGCIL ckm as per deliberation in 52nd TCC/55th SRPC meeting.

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WKTL, Karur TL (Adani Energy Solutions Limited)	1	0	At least 1 ERS set is required for AESL in SR which is compatible upto 765 kV. **243rd OCC**: 3 ERS are present on PAN India Basis. 1 ERS in NR (400 kV – 14 towers at Bikaner SS), 2 ERS in WR (765 kV – 18 towers in each set at Koradi SS(Nagpur) and Sami SS(Gujarat)). In case of emergency, the ERS be moved to SR in few days from Koradi SS which is in proximity.
Gadag TL (Gadag IIA) (Renew)	Mutual sharing agreement	0	**243rd OCC**: In the event of any emergency affecting ReNew's transmission assets, assistance may be availed from IndiGrid. IndiGrid maintains Emergency Restoration System (ERS) materials at Bhopal, which can be mobilized as and when required during emergency situations.

23. Crisis/Disaster Management Plan (CMP/DMP- December 2025) of Ministry of Power

a) SRPC had noted that the PSLF Division, CEA had circulated the revised CMP and DMP (Dec 2025) to strengthen emergency preparedness and disaster response in the power sector, and had requested all entities to align their respective documents accordingly. The matter, which had been deliberated in the 234th OCC Meeting, where the changes in CMP 2025 and DMP 2025 when compared with that of CMP 2024 and DMP 2024 documents were highlighted and subsequently followed up in the OCC meetings to ensure timely compliance.

b) It had also been noted that the Standard Operating Procedure (SOP) for Transmission System Restoration, issued by CEA in May 2025, held critical importance in complementing the DMP by providing detailed technical and operational guidance for restoration activities post-disaster. Entities had been advised to review and implement the SOP in conjunction with their CMP/DMP to ensure coordinated and effective response during contingencies.

c) It had been reiterated that CMP and DMP were mandatory documents and were to be aligned with MoP/CEA guidelines, institutionally adopted, and regularly updated. Entities had been advised to prepare these documents in-house to maintain confidentiality and ensure better control, with version control, date stamping, and update logs maintained as part of IMS practices.

d) All SLDCs, TRANSCOs, GENCOs, and DISCOMs had been requested to confirm completion of alignment to SRPC as per committed timelines. Entities had also been advised to conduct quarterly mock drills, submit reports to CEA (PSLF Division), and nominate/confirm nodal officers on the DRIPS portal for infrastructure inventory updates.

e) SRPC and SRLDC had offered to conduct capacity-building workshops for entities requiring support in the formulation and implementation of CMP, DMP, and SOP. On 14.07.2025, SRPC Secretariat and SRLDC had conducted an awareness session for TGTRANSCO utilities, as requested

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by them, to facilitate better understanding and implementation of the CMP, DMP, and SOP requirements.

- ✓ All SLDCs, TRANSCOs, GENCOs, and DISCOMs were advised to confirm completion of alignment activities to SRPC within the committed timelines, conduct quarterly mock drills and submit reports to CEA (PSLF Division), and nominate/update nodal officers on the DRIPS portal for infrastructure inventory management
- ✓ The latest status of CMP/DMP Alignment – State-wise/Central Sector is discussed and updated as follows. This agenda was deliberated in detail in the recent 55th TCC/ 58th SRPC meeting held on 24th/ 28th July 2026.
- ✓ TGGENCO informed they have updated their CMP/DMP documents in line with CMP/DMP-2025 issued by CEA, except for Yadadri TPS. Utilities were requested to furnish any further updates, if any, to SRPC.
- ✓ The updated table, incorporating the deliberations of the 243rd OCC meeting, is given below:

State/Entity	SLDC / Control Center	TRANSCO	GENCO	DISCOMS
Andhra Pradesh	Both CMP & DMP for APTRANSCO (includes SLDC), along with 3 DISCOMs were submitted as per 2024. However, it would be updated as per the latest 2025 document.	Both CMP & DMP for APTRANSCO (includes SLDC), along with 3 DISCOMs were submitted as per 2024. However, it would be updated as per the latest 2025 document.	Dr NTTPS (VTPS), RTPP stations document updated as per CMP/DMP 2025 document. SDSTPS stations are in the process of preparation of their CMP/DMP documents.	Both CMP & DMP for APTRANSCO (includes SLDC), along with 3 DISCOMs were submitted as per 2024. However, it would be updated as per the latest 2025 document.
Karnataka	BESCOM is preparing for all DISCOMs/SLDC/ TRANSCO except for KPCL. All the CMP/DMP were furnished to Higher Management for approval. BESCOM was requested to incorporate the new changes as per the 2025 guidelines in the document put up for management approval.	BESCOM is preparing for all DISCOMs/ SLDC/ TRANSCO except for KPCL. All the CMP/DMP were furnished to Higher Management for approval. BESCOM was requested to incorporate the new changes as per the 2025 guidelines in the document put up for management approval.	CMP/DMP documents as per 2024 guidelines were approved and ready. The modification wrt 2025 guidelines are being carried out.	BESCOM is preparing for all DISCOMs/SLDC/ TRANSCO except for KPCL. All the CMP/DMP were furnished to Higher Management for approval. BESCOM was requested to incorporate the new changes as per the 2025 guidelines in the document put up for management approval.
Kerala	CMP & DMP compiled across all wings (Transco, Genco, Discom) and formulation of SDMG submitted to Govt. After the formation of the new government, the matter will be followed up.			
Tamil Nadu	Documents are prepared. After internal deliberations, would put up to competent authority for approval	Documents are prepared. After internal deliberations, would put up to competent authority for approval	• NCTPS St-I: have updated documents wrt CMP/DMP 2024(letter dated 16.02.2026). • NCTPS Stage II documents wrt CMP/DMP 2024 were furnished on 02.03.2026. • MTPS St-I: Have updated document wrt DMP 2024(letter dated 09.02.2026). • MTPS St-II : have updated document wrt DMP 2024(letter dated 31.01.2026). • TTPS: have updated CMP/DMP asper 2025 guidelines (letter dated 05.10.2026) TNPGCL/TNGECL: Received documents from all Generating Stations including Hydro and in the process of compiling stage as	Documents are updated as per the 2025 guidelines.

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			per latest CEA 2025 document and soon would be submitted to management for approval.	
Telangana	SLDC updated in line with CEA CMP/DMP-2025	TGTRANSCO is yet to prepare CMP/DMP documents **243rd OCC:** Under process	**243rd OCC**: All TGGENCO stations updated in line with 2025 guidelines, expect Yadadri TPS	TGDISCOMs are yet to prepare CMP/DMP documents **243rd OCC:** Under process
PGCIL (SR-I/SR-II)	CMP/DMP documents aligned with 2025 MoP guidelines.			
NTPC	CMP/DMP documents aligned with 2025 MoP guidelines.			
NPCIL	**56th SRPC:** CMP/DMP already in place.			
NLCIL	NLCIL TPS II, TPS-I Exp, TPS-II Exp, NNTPS updated their CMP/DMP in line with the latest CMP/DMP 2025 guidelines.			
NTPL	NTPL proposes to engage an external agency to update the existing document in line with the 2025 guidelines issued by the Ministry of Power (MoP). Suitable agencies have been identified, and approval for floating the tender is currently under process.			

- Subsequent updates, if any, may be furnished by the utilities to SRPC through email.

24. Workforce Adequacy Guidelines for Load Dispatch Centers and Guidelines for deputation of Workspace from SLDCS to Grid - India for fixed terms

A. Work Adequacy Guidelines

a) The Ministry of Power (MoP) vide communication dated **30.10.2024** issued:
   i. **Workforce Adequacy Guidelines** for Load Despatch Centres (LDCs), aimed at benchmarking manpower adequacy for SLDCs, RLDCs, and NLDC.
   ii. **Guidelines for Deputation of Workforce** from SLDCs to Grid-India, encouraging fixed-term collaborative deputations to promote capacity building and cross-functional exposure.

b) The Ministry of Power, vide letter dated 25.11.2024, directed States/UTs to identify staffing gaps in their SLDCs and implement a phased recruitment plan, while ensuring mandatory training and certification of all system operators as per national standards. The need for urgent compliance with these Workforce Adequacy Guidelines was emphasized by the Hon'ble Minister during the Power Ministers' Conference on 12.11.2024 and acknowledged by all States/UTs.

c) This agenda was deliberated in detail in the recent 55th TCC/ 58th SRPC meeting held on 24th/ 28th July 2026. Utilities were requested to furnish any further updates, if any, to SRPC

d) The indicative **staffing norms** as per the Guidelines are:

LDCs- Workforce Staffing Norms					
	NLDC	**RLDC**	**Large SLDC**	**Medium SLDC**	**Emerging SLDC**
Grand-Total	**153**	**138**	**144**	**103**	**62**

Function-wise workforce allocation is at ***Annexure-24a*****.**

e) Status of staffing updated in 240th OCC is given below:

f) Given the presence of higher management, SRPC had requested that the matter be accorded due priority and necessary instructions issued to strengthen the SLDC workforce in line with the notified norms, as adequate manpower is essential for the efficient operation of these specialized functions.

g) CERC in its Order dated 05.10.2025 in 9/SM/2024 has suggested

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With the round-the-clock system operation, the State Load Despatch Centers are expected to contribute to Market Operation, Communication, IT services, cyber security and other establishment services to carry out the various functions with a suitably skilled workforce. There has been a dynamic shift in the power sector with the large-scale integration of renewable sources, and it brings new challenges. Furthermore, there should be a sufficient number of power system operators so that the grid can be operated safely and efficiently. Keeping in view of above facts, urgent action is required to ensure the availability of adequate number of manpower and for this SLDCs need to take up the matter with their management to provide the manpower as per their current sanctioned strength and also to approach their Management/ respective State Regulatory Commissions for approval of additional manpower in terms of MoP's Workforce Adequacy Guidelines for Load Despatch Centres. Addressing these shortfalls is essential for ensuring the smooth operation of SLDCs and effective monitoring, compliance and grid management. SLDCs may also work towards framing a separate HR Management and Development Policy, which should be aimed at structuring the movement of officers in specialised functions without disrupting operations and ensuring smooth staffing, structured job rotation, minimum tenure and continuous skill development of personnel. SLDCs also need to work towards improving the working environment and upgrading their infrastructure. In this regard, the HR policy framed by UPSLDC may be referred to by SLDCs.

The updated table, incorporating the updates of the 243rd OCC meeting, is given below:

SLDC	Norm	Sanctioned	Present	Status/ Latest Updates
AP	144	96	**68 (Technical executives = 61, Non-executive (Accounts) =7)** Rest will be recruited at the Assistant Engineer level.	APERC approval received. **243rd OCC:** 200 nos. of AE's will be recruited by October 2026. Recruitment process is going on. Some of them will be posted in SLDC.
KAR	144	99	**91** **As per the latest guidelines, the 60 Nos staff from field (communication), will be excluded.**	**57th SRPC:** KPTCL informed that the proposal was pending with the Government of Karnataka for approval of 144 posts and informed that restructuring was parallely progressing. **243rd OCC:** Approval is received from Finance Department. The proposal (along with ring fencing) is put up for government approval.
KER	103		**Technical executives = 49,** **Non executives = 19** **(Total = 68)**	• Reorganization and restructuring plan are ongoing; separate arrangements will be made for including more workforce in LD. Inclusion in the revised proposal is planned. • Total sanctioned strength remains unchanged; however, as an urgent requirement, they have sought approval from Higher Management for six additional posts on a short-term basis (2 Executive Engineers, 2 Assistant Executive Engineers, and 2 Assistant Engineers). **243rd OCC:** KSEBL stated that 6 posts were ap-

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				proved as part of next transfer and posting and also stated that restructuring was progressing in good pace and expected to be completed by FY end.
TN	144	57	**57**	**57th SRPC:** TANTRANSCO had informed that in principle approval for 49 posts were taken and 18 posts were under administrative approval. **243rd OCC:** 13 additional posts at AE level are approved by management. Filling up of the posts is under process.
TG	144	87	**96 (Technical Executives = 69, Non-Technical Executive =27)**	Recruitment ongoing. Technical Executives = 69, Non-technical Executive (Supervisors and workmen)=27. Additional Technical Executives plan: June 26 end = 34, Dec 26 = 10, June 27 = 10. Non-Technical Executive strength is planned to be reduced to 20 by June 2027. **57th SRPC:** TGTRANSCO informed that as per the norms the number of personnel shall be 144. The sanctioned posts are 59 and the strength of Executive working were 71. They also informed that the Management had approved 120 posts, as per the CEA guidelines, for Executives other than finance and HR to be inducted by June 2027. Balance 24 would be for the HR and finance wings, with a plan to be shifted from the existing posts in TGTRANSCO. **55th TCC:** The strength of Executives working are 69. Additional personnel are planned to be recruited in upcoming years.
PED	62		**Technical executive = 9, Non-executive = 3**	It is proposed to fill up 32 executives earmarked for SLDC by December 2027. (PED stated that the proposal would be submitted to the Government by February/March 2026). **238th OCC:** PED stated that they have requested for 62 nos. of posts and the Government has sought some clarification, the same has been furnished by PED. It might also go upto MHA for clearance. Presently 12 nos. of posts are filled up. **243rd OCC:**

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				In principle Government approval is obtained. Government has sought some clarification, the same has been furnished by PED. MHA approval is also required. It may take around 3 to 4 months.

- Subsequent updates, if any, may be furnished by the utilities to SRPC through email.

B. Deputation of workspace from SLDCs to Grid - India for fixed terms

a) As part of the Ministry of Power's broader initiative to enhance system operations and capacity building at Load Despatch Centres, a short-term knowledge-sharing exchange program covering System Operation, Market Operation, System Logistics, REMC function between RLDCs and SLDCs to foster cohesion and knowledge exchange was introduced.

- In 57th SRPC-54th TCC meeting, it was noted that, subsequent to the peak demand season, SRLDC would be coordinating for all the exchange programs from SLDC to SLDC, RLDC to SLDC & SLDC to RLDC, to foster cohesion and knowledge exchange among them. Further in 238th OCC, SRLDC stated that tentatively from July 2026 onwards, they would coordinate all exchange programs.
- ***SRLDC/SLDCs may update***

C. **Training and Certification of SLDC staff**

CERC in its Order dated 05.10.2025 in 9/SM/2024 has suggested

- *The continuous training and certification for SLDC staff ensure that an adequate workforce is trained and certified annually, improving operational preparedness and technical competence of the SLDCs. It is suggested that the trained staff should ideally not be shifted from the SLDCs, and to attract the staff for working in SLDCs, incentive provisions can be incorporated for the certified staff under the Fee and Charges of the SLDCs.*
- *RLDCs are directed to conduct structured capacity-building programs in collaboration with NLDC to equip SLDC personnel with the required technical skills*

In the Meeting, SRLDC stated that the requirement for knowledge-exchange modules had been taken up with all SLDCs. The SLDCs may communicate to SRLDC the specific modules for which exchange programmes may be organized. SRLDC shall coordinate and arrange such programmes in consultation with the concerned SLDCs.

25. Submission of FRC/FRP Calculation & High-Resolution Data as per IEGC, 2023

a) As per IEGC 2023, clause 30, Frequency response characteristic (FRC) calculation shall be carried out by each control area for any load or generation loss incident involving net change of more than 1000 MW of load or generation or a frequency change involving 0.1 Hz or more for the event notified by the NLDC.

- The generator is required to submit the data within two days of the event notification from NLDC. As soon as the event is notified, SRLDC also share this information in the OCC group for awareness. Now that the procedure has been notified, **it is up to the generators to submit the data in a timely manner.**

The following were concluded for compliance:

- Generators must resolve technical bottlenecks, especially at low loads.

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- ❖ Internal root-cause analysis and corrective actions to be taken proactively.
- ❖ Performance will continue to be monitored; **persistent underperformance may impact FRP-linked incentives.**

❖ SRPC had conducted a Special Meeting to deliberate on Free Governor Mode of Operation (FGMO) Performance during FY 2025-26 in Southern Region on 31.07.2026 at 10:00 hrs.

➢ Average Monthly/Cumulative FRP and FRC for all Control Areas may be presented by SRLDC.

Deliberations

❖ The forum was appraised that NLDC notified two reportable events in the month of September 2026 as tabulated below:

Sl.No	Events (Date and Time)	Region/Area	Generation (+ve) / Load (-ve) loss (MW)	Frequency Change(Hz)
1	**04-09-2026 18:15HRS**	NTPC KORBA, WR	1913	-0.029
2	**14-09-2026 12:53HRS**	KHAVDA RE Generation complex, WR	1740	-0.008

❖ SRLDC presented the station-wise performance of ISGS stations during the events as follows:

Average Monthly Frequency Response Performance for 'September' , 2026				
			Events	
			04-09-2026 18:53:16	14-09-2026 12:53:37
S No	**Generator Name**	**Beta 'ß'**	**FRP**	**FRP**
1	Neyveli I Exp- NLCIL	0.00	N/A	0.00
2	Neyveli II Stage I- NLCIL	0.50	1.00	0.00
3	Neyveli II Stage II- NLCIL	1.00	1.00	1.00
4	Neyveli II Exp- NLCIL	1.00	1.00	1.00
5	NTECL- JV (NTPC&TNPDCL)	1.00	1.00	1.00
6	NTPL-JV(NLCIL& TNPDCL)	0.50	0.00	1.00
7	Kudgi -NTPC	1.00	1.00	1.00
8	NNTPP-NLCIL	0.00	0.00	0.00
9	Telangana STPP -NTPP	1.00	1.00	1.00
10	Ramagundam Stage I&II-NTPC	1.00	1.00	1.00
11	Ramagundam Stage III-NTPC	0.77	0.54	1.00
12	Simhadri I-NTPC	0.50	1.00	0.00
13	Simhadri II-NTPC	0.64	1.00	0.28
14	Talcher II- NTPC	0.96	1.00	0.92
S No	**Generator Name IPP**	**Beta 'ß'**	**FRP**	**FRP**
15	SEILP1	0.60	0.20	1.00
16	ILFS	1.00	1.00	1.00
17	SEILP2	0.50	0.00	1.00
18	COASTAL	0.50	1.00	0.00
19	MEPL Stage - 2	1.00	1.00	1.00
20	GREENKO PSP	1.00	1.00	PUMP Mode

❖ SRLDC observed that NLC TPS-1 Exp, NLC TPS-II Stg-1, NTPL, NNTPP, SIMHADRI Stage-1 and Stage-2, SEIL-P1, SEIL-P2, and COASTAL have given average FRP response < 0.75 for the FRC events of September 2026.

❖ NLC TPS-I Expansion stated that a minor variation in generation was observed during the event on 14.09.2026; however, the response was delayed. The reason for the delay was being examined.

❖ NNTPP stated that the units were operating at low loads of less than 330 MW during the events. Under such operating conditions, the turbine-driven boiler feed pump (TDBFP) posed a technical

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constraint affecting the response. The station was examining ways to fine-tune the control logic for low-load operation, while confirming that the logic was otherwise functioning correctly

- ❖ NLC TS I stated that, due to low-load operation, mill-related issues and lignite quality constraints, the CMC and FGMO were kept in the OFF condition. The station was working to improve the milling system and was also examining possible design modifications.
- ❖ Ramagundam Stage-III stated that the unit was operating at full load during the event, with no available generation margin, resulting in limited response.
- ❖ Simhadri-I stated that a technical issue with the pump prevented the unit from providing the required response. For Simhadri-II, the station stated that the frequency had improved to 50 Hz during the response period, resulting in a limited response from the station.
- ❖ SEIL Phase-I stated that, due to low coal quality, the units were already operating at their maximum achievable generation levels, leaving no scope for additional response under FGMO.
- ❖ SEIL Phase-II stated that the TDBFP was unavailable during the event, restricting maximum generation to 620 MW and preventing the unit from responding. The issue was subsequently rectified, and the unit responded during the later event.
- ❖ CEPL stated that frequency deviation was minimal with a downward deviation of only 0.008 Hz. It was suspected that due to this reason the unit could not provide the response. Further, the variation fell within the deadband of 50.03 Hz to 49.97 Hz

26. CEA (Flexible Operation of Coal Based Thermal Power Generating Units) Regulation 2023.

(i) CEA issued a Gazette Notification dated January 30, 2023, regarding the flexible operation of coal-fired thermal generating units, stating that these units must have flexible operation capabilities with a minimum power level of 55% within one year of Notification , i.e.by January 2024 and with a minimum power level of 40 % (as per the Phasing Plan specified by the authority from time to time) at the following Ramp rate:

From	To	Ramp Rate
40%	55%	1%
55%	70%	2%
70%	100%	3%

(ii) CEA has prepared a roadmap for achieving the minimum load operation in a phased manner. Initially, it was proposed to implement flexibilization in a few thermal units of Central/State/Private sector on a pilot basis in 2023.

(iii) **The following Central/State/Private sector in Southern Region had been included in the proposal to implement flexibilization on a Pilot basis in 2023:**

Phase	Sector	Organization	Name of Project	Unit No.	Capacity (MW)
Pilot	Central	NTPC	Simhadri STPS	3	500
Pilot	Central	NLCIL	Neyveli New TPS	2	500
Pilot	State	KPCL	Yermarus TPS	1	800

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KPCL-Yeramarus TPS had received an exemption up to 5% more than Benson Point.					
Pilot	**Private**	**CEPL**	**Muthiara**	2	**600**
APL had received an exemption for MPGL (erstwhile CEPL) and nominated Raigarh TPP in its place.					

i. CEA vide notification dated 15.12.2023 had published the Final Phasing Plan as approved by CEA. **Five (5)** Phases (including Pilot) had been specified. The following needed to be ensured:

Phase	Period	No. of Units	Total Capacity of SR Generators
Pilot Phase	Up to March 2024	4	2400 MW
Phase 1	July 2024 – June 2026	31	18405 MW
Phase 2	July 2026 – June 2028	5	2980 MW
Phase 3	July 2028 – December 2029	20	7560 MW
Phase 4	January 2030 – December 2030	43	10040 MW

PHASE-IV: Duration: January, 2030 to December, 2030 (In case the utilities comprehend that 40% operation of units having age more than 40 years under this phase is not viable/possible, the utilities may opt for ***2-shift operation*** by suitable retrofits/study/tests. However, the duration for the retrofits including the study/test of this phase shall be the same.)

ii. CEA vide communication dated 30.05.2024 had intimated that Minimum Power Level of **55%** is effective in the country from **01.02.2024**.

iii. MoP vide communication dated 28.08.2024 enclosing a detailed Note on thermal flexing and need for empowerment of State Load Despatch Centre for reliable operation of the synchronous power system in India had sought the intervention of Higher Management(Chief Secretary/Special Secretary(Energy/Power) all States/UTs to pursue the respective SERCs to introduce enabling of provisions for Thermal Flexibility in line with the CEA Flexibility Regulations 2023and issue necessary directions to equip and empower the SLDCs

iv. NLDC vide communications dated 02.09.2024 had taken up the urgent need for achieving the Technical Minimum Load of 55 % as mandated by CEA Flexibility Regulations and had sensitized that the flexible operation of conventional generating plants is required for operation with high renewable generation sources.

v. The State wise Phase wise segregation is given below:

Entity	Phase 1	Phase 2	Phase 3	Phase 4
APGENCO & STU connected IPPs	3520	1180	1130	1680
TGGENCO & STU connected IPPs	3080	600	1000	250
KPCL & STU connected IPPs	1500		3260	1520
TNPGCL & STU connected IPPs	2325		250	2520

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NTPC & NTECL	4400		1000	2600
NLCIL & NTPL units	1000		920	1470
ISTS connected IPPs	2580	1200		

- ***Phase-1 identified generators to furnish latest updates via email to SRPC Secretariat /CEA***
- ***State GENCOs to approach respective SERCs for compensation mechanism as proposed at ISTS Level.***

vi. CERC in its Order dated 15.10.2025 in Petition No 9/SM/2024 had suggested

Some of the state generating stations with a total capacity of 29,364 MW are not able to achieve the MTL of 55% due to commercial as well as technical reasons. It is suggested that the States' generators may have interactive sessions with ISGS to troubleshoot the issues, where older units of 210 MW are able to operate at an MTL of 55%. State Generators may also visit the older generating stations of ISGS, like NTPC and others. Enablement of backing down of all thermal generating units till MTL of 55% shall result in availability of additional down reserves. The States should also come up with a partload compensation mechanism for thermal power plants and also explore the possibilities for the two-shift operation of the thermal generating stations, keeping in view the large RE integration in the country.

vii. TPR&M division, CEA vide letter dated 20.11.2025 ***(Annexure-26a)*** communicated regarding Furnishing of progress and updates of Phase-I units identified under CEA (Flexible Operation of Coal Based Thermal Power Generating Units) Regulation. 2023 of Units. The progress and updates as per the format attached with the letter to be sent to TPRM division CEA (<cetprm-cea@gov.in>) with a copy to SRPC. It is requested to furnish the progress and updates (as per the attached format) of Phase-I units by November 2025 end and there after ever month.

viii. **All generators are requested to complete the retrofit, control system tuning, trial runs etc. all off units under Phase-I by June 2026, in consultation with OEM positively**.

ix. In the 235th OCC Meeting, forum was appraised that a review meeting was held under the chairmanship of PCE-II, CEA on 21.01.2026 to review the progress and status of the Pilot Phase and Phase-I of the phasing plan for achieving 40% MTL operation of thermal power generating units.

x. The **status of Units identified under Phase 1 (July 2024 – June 2026) is at (*Annexure-26b*)**.

GENCOs noted for compliance.

27. Ensuring Transmission Adequacy and reliable operation of State Networks

All utilities shall furnish updates pertaining to intra-state transmission lines at the earliest.

- ***SRLDC may present the same.***
- ***All utilities may update.***

The updated list of transmission element constraints along with the proposed mitigation measures are enclosed as ***Annexure-27a***. All utilities were requested to review and update the status of the respective constraints and furnish their inputs at the earliest.

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28. Compliance to direction as per CERC Order dated 11.09.2023 in Petition No. 132/MP/2022

(i) CERC order dated 11.09.2023 in Petition No. 132/MP/2022 in the matter of over drawl from the grid by regional entities leading to insecure operation of the grid and other associated matters had directed the respondent SLDCs to adhere to some action Plan.

a) SRLDC vide communication dated 12.01.2024 had taken up with the concerned States quoting the provisions in the Order and had requested to submit the quarterly report to SRLDC on status of implementation of the action plan.
As per the directions in the Order dated 11.09.2022 on Petition No 132-MP-2022 the following direction may be noted:

Quote:

*We direct the respondents to strictly adhere to the Action plan as above. SLDCs are directed to submit the **quarterly report to the SRLDC** on status of implementation of the action plan. **Any modification in action plan** keeping in view issues arising while implementation, **may be discussed and finalised at RPC forum**.*

Unquote

- ✓ The reports are received from all three states AP, TN and Karnataka for Q1 of FY 2026-27

In the meeting the following were noted:

- ✓ **AP had furnished the report of Q2 of FY 2026-27. Karnataka and TN are requested to furnish the report at the earliest**

States to operate the Grid as per the essence of the Petition/Order.

29. Primary Response Requirement as per Indian Electricity Grid Code – 2023

SRLDC vide communication dated 27.02.2024 had brought attention to the requirements outlined in the Indian Electricity Grid Code (IEGC), 2023, particularly regarding the deployment of Primary, Secondary and Tertiary reserves for the purpose of frequency control, reducing area control error and relieving congestion. These mandates include the necessity for generating stations and units to have electronically controlled governing systems or frequency controllers in accordance with the CEA Technical Standards for Connectivity and provide primary response ancillary service (PRAS). An urgent transition plan is necessary to switch governors from Restricted Governor Mode of Operation (RGMO) to Free Governor Mode of Operation (FGMO) as it is due since 1st October 2023. This plan may be developed in collaboration with respective Original Equipment Manufacturers (OEMs) and implemented promptly.

As intimated by the generators during the deliberations in the OCC meetings, most of the generating units have already shifted to **Free Governor Mode of Operation (FGMO)**. ***Generators still under RGMO mode are requested to expedite change over to FGMO mode. Generators are requested to provide the updated FGMO implementation status. The status of units still operating under Restricted Governor Mode of Operation (RGMO) is placed at Annexure-29a***

As informed in 241st OCC, an awareness session was conducted by SRLDC on 19.08.2026 for SLDCs and GENCOs. Subsequently, a special meeting to review FGMO performance of generators during FY 2025-26 was held on 01.09.2026.

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➢ **GENCOs noted the same. MoM of the special meeting is awaited**

30. Monthly Review of LGBR for the next 13 months (Availability & Requirement)

(i) **SRLDC has declared 06:00 Hrs to 08:00 Hrs, 18:00 Hrs to 20:00 Hrs as Peak hours for October 2026.**

(ii) SLDCs to furnish the detailed Availability & Requirement for the next 13 months period from **October to October** (13 months LGBR rolling plan for energy and demand (peak hours as well as solar hours) **by 6th October 2026.** SLDCs may furnish the data for analysis.

➢ ***The plan for meeting the LGB (Month wise) may be submitted in writing.***

Deliberations/Conclusion

SRPC presented the summary of 13 Month LGBR (based on the data furnished by SLDCs) as follows:

Andhra Pradesh

ANDHRA PRADESH														
	Month	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27
Solar Peak (MW)														
Availability	MW	14367	13503	13243	13937	14460	14433	14186	14363	14587	15013	14726	14958	14648
Requirement		13152	12691	12161	13364	14303	14976	14711	15368	14549	15024	14447	14745	13809
Deficit/ Surplus		1215	812	1082	573	157	-543	-525	-1005	38	-11	279	213	839
	%	9	6	9	4	1	-4	-4	-7	0	0	2	1	6
Evening Peak (MW)														
Availability	MW	10627	9928	9148	9735	10212	10259	9818	10138	10594	11124	10614	10784	10466
Requirement		11481	10534	9556	9484	10046	10612	11316	11256	11014	11009	10856	10957	11181
Deficit/ Surplus		-854	-606	-408	251	166	-353	-1498	-1118	-420	115	-242	-173	-715
	%	-7	-6	-4	3	2	-3	-13	-10	-4	1	-2	-2	-6
MU														
Availability	MU	8421	7732	7588	8085	7586	8536	7992	8495	8366	8887	8883	8411	8489
Requirement		8399	7517	7577	7817	7422	8813	8844	8832	8114	8633	8519	8225	8221
Deficit/ Surplus		21	216	11	268	164	-277	-852	-337	252	254	364	186	268
	%	0	3	0	3	2	-3	-10	-4	3	3	4	2	3

Karnataka

KARNATAKA														
	Month	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27
Solar Peak (MW)														
Availability	MW	17560	17538	18428	18793	20162	21239	19826	18162	15975	16733	16589	16852	16214
Requirement		18063	17990	18559	19346	19993	20010	19361	18386	15544	16488	16188	16503	17063
Deficit/ Surplus		-503	-452	-131	-553	169	1229	466	-223	431	245	401	349	-849
	%	-3	-3	-1	-3	1	6	2	-1	3	1	2	2	-5
Evening Peak (MW)														
Availability	MW	13082	11890	12688	13110	13610	14501	14405	13476	12217	11917	11208	12620	12880
Requirement		13258	12126	11573	13025	14078	14967	14678	13009	11864	11713	11066	12604	12921
Deficit/ Surplus		-175	-236	1115	85	-469	-466	-272	466	353	204	142	15	-40
	%	-1	-2	10	1	-3	-3	-2	4	3	2	1	0	0
MU														
Availability	MU	9073	9170	9917	10118	9638	10556	9852	10000	8701	7706	7855	8530	8626
Requirement		9019	9393	9301	10048	9550	10737	10425	9408	9020	6466	7489	8464	8970
Deficit/ Surplus		53	-223	616	69	88	-181	-573	592	-318	1239	365	67	-344
	%	1	-2	7	1	1	-2	-5	6	-4	19	5	1	-4

Kerala

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KERALA														
	Month	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27
Solar Peak (MW)														
Availability	MW	3642	3615	3895	3974	4278	4566	4636	4723	3774	3674	3656	3978	3742
Requirement	MW	3600	3554	3832	3935	4223	4532	4635	4635	3708	3605	3605	3914	3708
Deficit/ Surplus	MW	42	61	64	40	55	34	1	88	66	69	51	64	34
	%	1	2	2	1	1	1	0	2	2	2	1	2	1
Evening Peak (MW)														
Availability	MW	4670	4823	4828	5195	5524	5898	6398	6441	5041	4575	4693	5198	4882
Requirement	MW	4649	4803	4770	5143	5480	5814	6380	6420	5030	4515	4615	5168	4881
Deficit/ Surplus	MW	21	20	58	52	44	84	18	21	11	60	78	30	0
	%	0	0	1	1	1	1	0	0	0	1	2	1	0
MU														
Availability	MU	2759	2618	2823	2927	3254	3555	3361	3896	3020	2670	2658	3046	2911
Requirement	MU	2698	2594	2768	2888	3180	3460	3344	3821	2970	2620	2592	2999	2833
Deficit/ Surplus	MU	62	24	55	38	74	94	17	75	50	50	66	47	78
	%	2	1	2	1	2	3	1	2	2	2	3	2	3

Tamil Nadu

TAMIL NADU														
	Month	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27
Solar Peak (MW)														
Availability	MW	23706	22728	22091	24303	25337	25370	25370	25370	25370	26645	26605	25698	25698
Requirement	MW	20169	19471	19447	18842	20678	21743	23224	21122	22863	24189	24200	24220	21984
Deficit/ Surplus	MW	3537	3257	2644	5461	4659	3627	2146	4248	2507	2456	2405	1478	3714
	%	18	17	14	29	23	17	9	20	11	10	10	6	17
PEX		0	0	0	0	0	0	0	0	0	0	0	0	0
Deficit/ Surplus	MW	3537	3257	2644	5461	4659	3627	2146	4248	2507	2456	2405	1478	3714
Evening Peak (MW)														
Availability	MW	16761	15679	15115	17559	17775	17580	17580	17580	17580	18738	18688	18188	18188
Requirement	MW	20400	19641	18886	18947	20502	21513	23124	21567	22376	24330	24300	24350	22236
Deficit/ Surplus	MW	-3639	-3962	-3771	-1388	-2727	-3933	-5544	-3987	-4796	-5592	-5612	-6162	-4048
	%	-18	-20	-20	-7	-13	-18	-24	-18	-21	-23	-23	-25	-18
PEX		3639	3962	3771	1388	2727	3933	5544	3987	4796	5592	5612	6162	4048
Deficit/ Surplus	MW	0	0	0	0	0	0	0	0	0	0	0	0	0
MU														
Availability	MU	11861	11299	11448	12636	11622	12436	11975	12546	12743	13100	13100	13146	13146
Requirement	MU	11548	10892	11256	10775	10921	13118	14369	13732	13850	15276	13650	14098	12241
Deficit/ Surplus	MU	313	407	192	1861	701	-682	-2394	-1186	-1107	-2176	-550	-952	905
	%	3	4	2	17	6	-5	-17	-9	-8	-14	-4	-7	7
Purchases		0	0	0	0	0	682	2394	1186	1107	2176	550	952	0
Deficit/ Surplus	MU	313	407	192	1861	701	0	0	0	0	0	0	0	905

Deficits are observed during evening peak and TN had informed that the deficits are planned to be met through met through Power Exchange purchases as tabulated above.

Telangana

TELANGANA														
	Month	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27
Solar Peak (MW) at 12:00 hours														
Availability	MW	18121	15767	16554	17811	18202	18389	18436	18231	16446	16972	18728	18627	19223
Requirement	MW	19622	11476	14254	16086	17443	19216	16215	12226	12945	16969	18934	20689	20557
Deficit/ Surplus	MW	-1501	4291	2300	1725	759	-827	2221	6005	3501	3	-206	-2062	-1334
	%	-8	37	16	11	4	-4	14	49	27	0	-1	-10	-6
Evening Peak (MW)														
Availability	MW	14557	11822	12909	13529	13768	14097	16299	16532	12557	13805	14733	16068	15398
Requirement	MW	19778	13301	15852	17314	18267	19750	17404	13128	13901	17725	19666	20801	20720
Deficit/ Surplus	MW	-5221	-1479	-2943	-3785	-4498	-5653	-1105	3404	-1344	-3919	-4933	-4734	-5323
	%	-26	-11	-19	-22	-25	-29	-6	26	-10	-22	-25	-23	-26
MU														
Availability	MU	10067	8192	8843	9571	8788	9812	9584	9908	8828	9130	10553	10314	10833
Requirement	MU	9017	6944	8004	8802	8755	10965	9303	7726	7839	8946	10261	10143	9433
Deficit/ Surplus	MU	1050	1248	839	769	34	-1153	282	2182	989	184	292	171	1400
	%	12	18	10	9	0	-11	3	28	13	2	3	2	15

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Puducherry

PUDUCHERRY														
	Month	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27
Solar Peak (MW)														
Availability	MW	580	580	570	585	585	595	595	700	700	650	590	590	590
Requirement		500	490	495	505	510	515	530	534	505	496	490	481	495
Deficit/ Surplus		80	90	75	80	75	80	65	166	195	154	100	109	95
	%	16	18	15	16	15	16	12	31	39	31	20	23	19
Evening Peak (MW)														
Availability	MW	545	545	545	545	545	555	580	590	600	601	575	561	542
Requirement		540	540	530	545	560	570	585	594	597	604	565	560	550
Deficit/ Surplus		5	5	15	0	-15	-15	-5	-4	3	-3	10	1	-8
	%	1	1	3	0	-3	-3	-1	-1	1	-1	2	0	-1
(MU)														
Availability	MU	395	390	380	385	385	395	400	400	400	395	410	400	400
Requirement		350	342	345	340	350	356	365	380	378	389	386	365	360
Deficit/ Surplus		45	48	35	45	35	39	35	20	22	6	24	35	40
	%	13	14	10	13	10	11	10	5	6	2	6	10	11

Conclusion

In view of the significant increase in electricity demand being witnessed across the country since August, 2026, states/UT are requested to maintain Load-Generation Balance to meet to the demand.

31. ACTIONABLE POINTS FOR COMPLIANCE AS PER IEGC 2023

31.1 Periodic Testing of Generators, HVDC/FACTS Devices

(i) Regulation 40 (1) of CERC (IEGC) Regulations, 2023 stipulate that there shall be periodic tests, as required under clause (3) of this Regulation, carried out on power system elements for ascertaining the correctness of mathematical models used for simulation studies as well as ensuring desired performance during an event in the system.

(ii) The tests shall be performed once every five (5) years or whenever major retrofitting is done. If any adverse performance is observed during any grid event, then the tests shall be carried out even earlier, if so advised by SLDC or RLDC or NLDC or RPC, as the case may be.

(iii) Further, Regulation 40(1)(b) stipulate that "*All equipment owners shall submit a testing plan for the next year to the concerned **RPC 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 concerned RPC in advance.*"

(iv) Generators and HVDC/FACT owners were to furnish the Testing schedule for 2024-25 by 31st October 2023.

Name of the test for Periodic Testing of Generators

1) Real and Reactive Power Capability assessment.
2) Assessment of Reactive Power Control Capability as per CEA Technical Standards for Connectivity
3) Model Validation and verification test for the complete Generator and Excitation System model including PSS
4) Model Validation and verification of Turbine/Governor and Load Control or Active Power/ Frequency Control Functions.
5) Testing of Governor Performance and Automatic Generation Control.

Name of the test for HVDC & Facts:

1) Reactive Power Controller (RPC) Capability for HVDC/FACTS

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2) Filter bank adequacy assessment based on present grid condition, in consultation with NLDC.
3) Validation of response by FACTS devices as per settings.

(v) SRPC had expressed concern over the widespread non-compliance by several generators with the provisions of Regulation 40(1) and Regulation 40(1)(b) of the CERC (IEGC) Regulations, 2023, particularly with respect to periodic testing requirements. A non-compliance notice had been issued to such generators. The list of generators who have not furnished the testing schedule for the period 2024–29 and the list of generators who had furnished testing schedules for FY 2024–25 but have not conducted the tests and/or not submitted test reports to SRPC also have been furnished.

(vi) In this regard, SRPC vide letter dtd 27.05.2026 communicated over non-compliance of the above Reg 40 (1) & 40(1)(b) to all the generators.

❖ A Special Meeting on Non-Compliance of IEGC-2023 Regulation 40 on Periodic Testing of Generators with respect to conventional generators was held on 18.06.2026. A detailed review of the status of all the conventional generators was taken. The record notes of the meeting were issued on 02.07.2026. The testing schedule for the periodic testing schedule for the periodic testing of conventional generating station in the Southern Region for the period 2024-29 is enclosed as ***Annexure-31a***. GENCOs are requested to share any corrections/changes in the schedule to seoprnsrpc-ka@nic.in and srpc.operation@gmail.com for necessary updating.

➢ ***All the generators to note all the above for strict Compliance***

31.2 Operational Planning Study

(i) As per IEGC (Regulation 33) on Operational Planning Study the following is to be noted by all concerned:

TIME HORIZON FOR OPERATIONAL PLANNING STUDY

Time horizon of operational planning Study	Agency	Means for carrying out study
Real time and Intra-day	NLDC, RLDC and SLDC	For various operating conditionsusing online/offline SCADA/EMS system
Day-ahead	NLDC, RLDC, and SLDC	For various operating conditionsusing offline tools
Weekly	NLDC, RLDC, and SLDC	For various operating conditionsusing offline tools
Monthly/Yearly	RPC	For various operating conditionsusing offline tools

➢ **All concerned entities need to initiate actions to comply the following IEGC provisions:**

(i) IEGC 2023 Regulation 33 (6) – "Operational planning study shall be done **to assess whether the planned operations shall result in deviations** from any of the system operational limits defined under these regulations and applicable CEA Standards. **The deviations, if any, shall be reviewed in the monthly operational meeting of RPC** and significant deviations shall be monitored by RPC for early resolution.

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(ii) IEGC 2023 Regulation 33 (8) – "NLDC, RLDCs, RPCs and SLDCs shall have operating plans to address potential deviations from system operational limit identified as a result of the operational planning study. These operating plans shall be communicated to users in advance so that they can take corrective measures. **In case any user is unable to adhere to such an operating plan,** it shall inform the respective SLDC, RLDC and NLDC in advance with detailed reasons and explanations for the non-adherence. **These detailed reasons and explanations shall be discussed in the monthly operation sub-committee of the respective region and a quarterly report shall be submitted by the respective RPC to the Commission and CEA**"

(iii) SRLDC to furnish OP Study for **September 2026**

- **SRLDC /SLDCs may update on the status of RA study.**
- **Review of past month operational studies**
- **This month operational studies**

It was noted that there was no operational planning study carried out

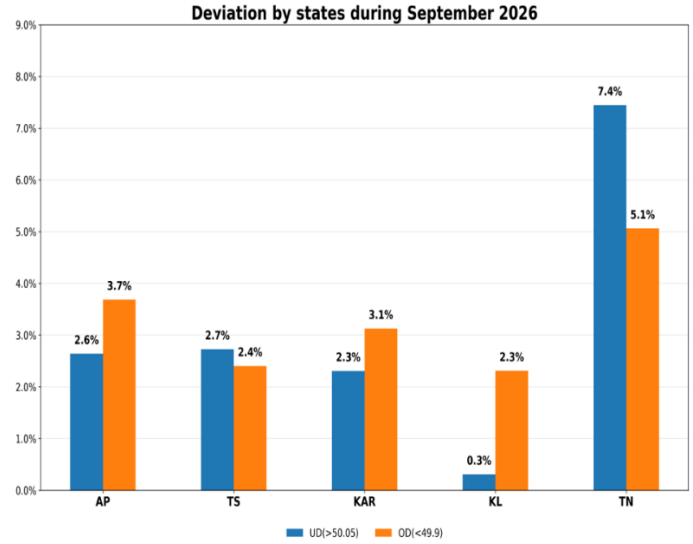
32. Grid Operation during September 2026

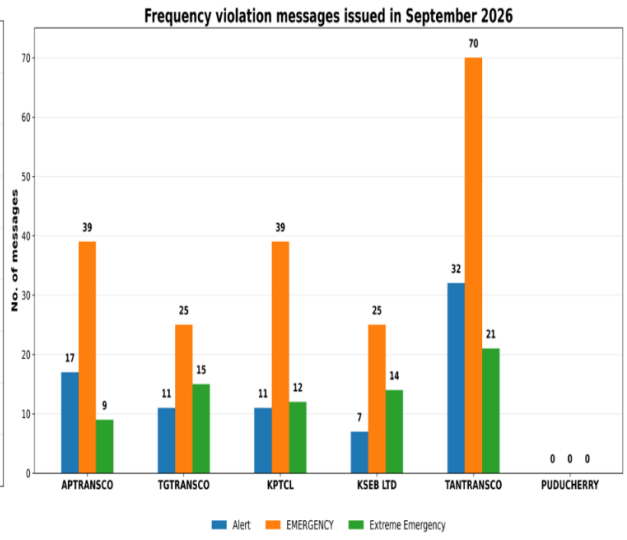
1) **Operational discipline by SLDCs, ISGS and ISTS licensees**
2) **Schedule v/s Actual Generation of various power stations**
3) **SPS Status in SR: Existing and proposed.**
   Details of utilization of ISGS URS power
4) **Frequency related issues (underdrawal/overdrawal)**
5) **Instance of deployment of Ancillary Services/AGC**
6) **Maximum demand met and details of mix of generation in meeting the demand.**
7) **Solar generation hours during the month/ solar Peak**
8) **Wind generation pattern and peak**
9) **Transmission network / system operation issues.**
10) **Any specific issues need attention.**

Deliberations:

SRLDC presented the monthly highlights for September 2026: (***SRLDC PPT*** - ***Annexure-32a***)

32.1 Operational discipline by SLDCs, ISGS and ISTS licensees





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(i) SRLDC observed that during September 2026, the majority of extreme emergency/emergency/alert messages were issued to TANTRANSCO, followed by APTRANSCO, KPTCL, TGTRANSCO and KSEBL.

(ii) During high grid frequency conditions (i.e., frequency > 50.05Hz), underdrawal was there by TN, AP, TG and KA for 7.4%, 2.6%, 2.7% and 2.3% of time respectively and when the frequency was below 49.9Hz, overdrawal was thereby TN, AP, TG and KA for 5.1%, 3.7%, 2.4% and 3.1% of time respectively.

Frequency violation messages issued in **September 2026:**

State	Alert messages	Emergency messages	Extreme Emergency messages
AP	17	39	9
TG	11	25	15
KA	11	39	12
KL	7	25	14
TN	32	70	21
PU	0	0	0

Conclusion:

- All states were advised to initiate timely measures to control overdrawal (OD) and underdrawal (UD) in order to avoid large deviations from schedule.
- Adequate reserves to be maintained by the states.

32.2 Schedule v/s actual generation of various power stations

SRLDC presented the Schedule v/s Actual generation of various power stations (based upon the SEM data available). The Over Injection and Under Injection at different frequency were analysed.

The following were noted:

✓ When frequency is >= 49.90 to <=50.05: Total No. of blocks: 1987 out of 2592.

- Under injection was observed from NTPC Simhadri Stage-II (82.2%) and NTPC Simhadri Stage-I (79.2%). Over injection was observed from NLCIL TPS II St-II (74.6%) and NLCIL TPS II St-I (65.8%). On MW basis, the highest quantum of under injection block wise was observed from NTPC RSTPS 1 to 6 (547 MW) and NNTPS (343 MW) and over injection was observed from NLCIL TPS II St-II (267 MW) and NLCIL TPS II St-I (239 MW).

✓ When frequency is < 49.90: Total No. of blocks: 397 out of 2592.

- Under injection was observed from NLCIL TPS I Exp (82.6%), NTPC Talcher Stage-II (61.7%) and RSTPS U7 (61%). On MW basis, the highest quantum of under injection block wise was observed from NTPC Telangana (310 MW) and NNTPS (306 MW), NTPC Talcher Stage-II (257 MW).

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- NTPC Telangana representative replied that the under injection on 13th/15th Sep 2026 was due to partial outage.
- NTPC Talcher Stage-II informed that the under-injection was attributable to the high moisture content in coal, due to which the Declared Capacity (DC) of the station was also reduced. It was further informed that some improvement had been observed with the reduction in rainfall, enabling the station to declare around 96% of its capacity.
- SRLDC expressed concern regarding the under-injection by NLCIL TPS-I Expansion Station. In response, the representative of NLCIL TPS-I Expansion informed that the under-injection was due to partial outages arising from issues related to lignite quality and ID fan issue.

✓ When frequency is> 50.05: Total No. of blocks: 208 out of 2592.

- NLCIL TPS II St-II and NLCIL TPS II St-I were over injecting 74% and 64.4% of the time respectively. On MW basis, the highest quantum of over injection was observed from NLCIL TPS II St-II (201 MW).
- NLCIL TPS-II representative stated that over-injection by the units was observed when the schedules were at or slightly above the Technical Minimum. The units generally over-injected by up to 10% above the schedule. In response to a query from SRLDC, the representative further clarified that higher MW injection was observed during certain time blocks of solar hours.

Conclusion:

- Generators to take necessary steps to avoid over injection at high frequency and under injection at low frequency.

Partial Outages observed in state generators:

Deliberations/Action Points

❖ SRLDC presented the status of partial outages in thermal stations, particularly during non-solar hours (19:00 to 24:00 hrs) (***SRLDC PPT***- ***Annexure-32a***).

❖ In case of **Andhra Pradesh**, it was informed that the average partial outage is 14 %.

PARTIAL OUTAGE SUMMARY - THERMAL (01-09-2026 TO 30-09-2026)

STATION	AVG. RUNNING CAPCAITY GROSS (MW) [A]	AVG. RUNNING CAPCAITY NET (MW) [B]	AVERAGE PARTIAL OUTAGE (MW) [C]	PERCENTAGE (%) [C/B*100]	Significant Reason
ANDHRA PRADESH_THERMAL	6743	6271	855	14	
VIJAYAWADA TPS	2518	2342	311	13	Poor Quality of Coal, coal feeding constraint, Aux trouble(Mill-2c problem)coal feeding constraints, Aux trouble (PA, ID Fans problem), Back fown
RAYALASEEMA TPP	1582	1471	198	13	Backdown, Poor Quality of Coal, IDF's loading, ESP probelm, IDF-4B vibrations, PA fan oil leak
KRISHNAPATTANAM	2400	1885	327	17	Poor Quality of Coal, PA fans taking high currents, Load Back down, Backdown
SEIL P2 Unit-2	616	573	19	3	----

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- APGENCO informed that it is planning to procure higher-quality coal and that an improvement in performance is expected by the end of October 2026.

❖ In case of **Telangana**, it was informed that the average partial outage is 24 %.

PARTIAL OUTAGE SUMMARY - THERMAL (01-09-2026 TO 30-09-2026)					
STATION	AVG. RUNNING CAPCAITY GROSS (MW) [A]	AVG. RUNNING CAPCAITY NET (MW) [B]	AVERAGE PARTIAL OUTAGE (MW) [C]	PERCENTAGE (%) [C/B*100]	Significant Reason
TELANGANA_THERMAL	7098	6601	1616	24	
KOTHAGUDEM TPS	1587	1476	295	20	Coal quality issue, Coal shortage
SINGARENI TPS	1040	967	13	1	Coal quality issue, Coal shortage
RAMAGUNDAM-B	0	0	0	Plant Out	----
BHADRADRI TPS	855	795	80	10	Coal quality issue
KAKATIYA ST1&ST2	1083	1008	0	0	----
YADADRI	2533	2356	1228	52	Coal quality issue, Coal Shortage

- SRLDC expressed concern over the high partial outages at Yadadri TPS during the period from April to September 2026. In response, TGGENCO informed that it was procuring higher-quality coal (G9 grade) from other mines as well and that an improvement in performance was expected by the end of October 2026.
- TGGENCO informed that Unit 5 CoD is expected by October 2026 end.
- SRPC recalled that a review meeting on partial and forced outages of thermal power plants was held by CEA under the Chairperson, CEA, on 24.09.2026. It was informed that, in cases where States request additional power allocation from CGS/ISGS, CEA also analyses the partial outages of State generating units before submitting its comments to MoP.

During the meeting held on 24.09.2026, the Chairperson, CEA, observed that States reporting higher levels of partial outages might not be given preference in the allocation of additional power. The issue of coal shortages faced by generating stations would also be addressed by CEA. It was further suggested that plants with boilers designed for higher Gross Calorific Value (GCV) coal may consider procuring washed coal or imported coal.

A follow-up meeting would be convened by the Chairperson, CEA, to review the actions planned and taken by the generating stations.

❖ In case of **Karnataka**, it was informed that the average partial outage is 18 %.

PARTIAL OUTAGE SUMMARY - THERMAL (01-09-2026 TO 30-09-2026)					
STATION	AVG. RUNNING CAPCAITY GROSS (MW) [A]	AVG. RUNNING CAPCAITY NET (MW) [B]	AVERAGE PARTIAL OUTAGE (MW) [C]	PERCENTAGE (%) [C/B*100]	Significant Reason
KARNATAKA_THERMAL	4049	3766	688	18	
YERAMARAS TPS	1280	1190	300	25	Coal quality issue, Bunker feeding issues
RAICHUR TPS	1419	1320	249	19	Condenser vaccum low/CHP-Miscellaneous,TURBINE VIBRATION HIGH, DRUM PRESSURE RESTRICTION, Poor quality of coal
BELLARY TPS	1350	1256	140	11	Low heat value coal and equipment constraints (Mills loaded more than rated capacitayFurther loading may lead to ash handling problems), Condenser Vacuum Low, Non availability of one CWP

- KPCL stated that an improvement in performance was expected by the end of October 2026

❖ In case of **Tamil Nadu**, it was informed that the average partial outage is 17 %.

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TAMILNADU_THERMAL	4171	3879	649	17	
NORTH CHENNAI TPS STG-II	980	911	311	34	To maintain the boiler parameters
TUTICORIN	749	697	66	9	due to BTL
NORTH CHENNAI TPS STG-III	747	694	317	46	Coal quality issue
North Chennai TPS	588	547	183	33	Mill issue, due to Drum level very low trip
ST - CMS	175	163	8	5	----
METTUR TPS	1224	1138	81	7	ESP Issues, Backdown due to less demand, Ash Evacuation Problem
SEPC	455	423	0	0	----
UDANGUDI	660	614	163	27	Slag Issue, Clinker formation in the bottom ash hopper (BAH), Poor coal quality

- SRLDC observed that high partial outages are observed in NCTPS stations and Udangudi TPS.

❖ **State IPPs:** It was observed that the average partial outage in IPPs is 1%.

STATION	AVG. RUNNING CAPCAITY GROSS (MW) [A]	AVG. RUNNING CAPCAITY NET (MW) [B]	AVERAGE PARTIAL OUTAGE (MW) [C]	PERCENTAGE (%) [C/B*100]	Significant Reason
STATE IPP_THERMAL	2640	2455	32	1	
HINDUJA POWER CORPORATION LTD	589	548	4	1	Coal feeding problem
UPCL	960	893	0	0	----
JINDAL	1091	1014	28	3	----

❖ **Regional IPPs:** It was observed that the average partial outage in IPPs is 2%.

REGIONAL IPP_THERMAL	4292	3992	71	2	
SIMHAPURI ENERGY PVT LTD	460	428	15	4	Generated as per Schedule, Coal feeding issue
IL&FS	1200	1116	8	1	ID fan issue
COASTAL ENERGEN	740	688	28	4	Unit 1 withdrawn due to MS drain line leakage
SEIL	1232	1146	19	2	Generated as per Schedule
SEIL-PROJECT2 U1	660	614	1	0	----
MEENAKSHI ENERGY LTD	0	0	0	Plant Out	----

❖ **ISGS:** It was observed that the average partial outage is 9%, with NLCIL stations exhibiting higher partial outages mostly attributed to mill outages and FBHE Fluidization issue in NLCIL TS II Expansion.

STATION	AVG. RUNNING CAPCAITY GROSS (MW) [A]	AVG. RUNNING CAPCAITY NET (MW) [B]	AVERAGE PARTIAL OUTAGE (MW) [C]	PERCENTAGE (%) [C/B*100]	Significant Reason
ISGS_THERMAL	13162	12240	1144	9	
RAMAGUNDAM - UNIT7	500	465	7	2	Wet Coal
TALCHER ST2	2000	1860	103	6	MILL 4H TRIPPED, Generated as per Schedule, Coal shortage
VALLUR TPS	1333	1240	88	7	Wet Coal, UNIT 2 ESP evacuation issue and Ash Slurry pumps non availability, Centralized Monitoring Basin pump not available, U-3 BUNKERING ISSUE AND CMB PUMPS NOT AVAILABALE
NTPL	617	574	14	2	Generated as per schedule
SIMHADRI STAGE II	633	589	25	4	Poor coal quality,Wet coal
NEYVELI TS II - STG1	462	430	110	26	Mill Outage, Wet lignite
NNTPS	867	806	272	34	Mill outages, Lignite Quality Issues
KUDGI	1600	1488	52	4	Wet coal issue
NEYVELI TS II EXPN	433	403	90	22	Mill Outage, FBHE Fluidisation issue, LIGNITE B FEEDING SYSTEM WORK
NTPC-TELANGANA STPP	1600	1488	73	5	Coal quality and Mill issues
NEYVELI TS I EXPN	252	234	19	8	Lignite Quality Issues, Mill outages and Wet lignite
Simhadri Stage I	1000	930	56	6	Coal quality issue, Generated as per Schedule
RAMAGUNDAM - UNIT1to6	1423	1324	141	11	Mill issues, Coal quality issue and bunkering issues in all units, ID Fan tripped on Earth fault, Bottom ash evacuation issues
NEYVELI TS II - STG2	441	410	95	23	Mill outages and Wet lignite

- NTECL Vallur representative stated that most of the issues have been sorted out and performance of plant is expected to improve.

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- The NLCIL TPS-II representative stated that, compared to the previous year, the Plant Availability Factor (PAF) of the units had improved and partial outages had reduced. It was further informed that long-term investments were being made to address the mill-related issues.
- NLCIL TPS-II Expansion representative informed that the units do not have mills and that fluidisation issues in the Fluidised Bed Heat Exchanger (FBHE) remain an ongoing concern. Further, lignite feeding issues were experienced during September 2026 due to rainfall. However, these issues had reduced during October 2026.
- It was informed that the partial outages at NNTPS were attributable to an afterburner issue in the boiler. The required imported spares had been procured and were scheduled for replacement within the next two weeks. Following the replacement, a reduction in partial outages and an improvement in the performance of NNTPS units is expected.
- The NTPC RSTPS Units 1–6 representative informed that the mill-related issues in Units 1 and 3 had been addressed. No mill related issues were reported in Units 4, 5 and 6. In Unit 2, four out of the six mills were reported to be in operation.

Conclusion:

All generators may take necessary measures to minimize partial outages in thermal generating units and ensure full availability.

32.3 SPS Status in SR: Existing and proposed

❖ Nil

a) Details of utilization of ISGS URS power

The following were noted during September 2026:

❖ **APTRANSCO:**

- NLCIL Stations: AP utilized approximately 80 MW of URS power from NTPL on 19.09.2026.
- NTPC Stations: AP utilized approximately 70 MW of URS power from NTPC Kudgi on 19.09.2026.

❖ **KPTCL:**

- ER Generating Stations: Approximately 330 MW of URS power was utilized from FSTPP Stage-I & II on 30.09.2026.
- NLCIL Stations: Karnataka utilized URS power on several days during the month. The maximum URS power availed was approximately 330 MW from NNTPS on 03.09.2026.
- NTPC Stations: Karnataka utilized URS power on several days during the month. The maximum URS power was availed from NTPC RSTPS units and NTPC Kudgi.

❖ **KSEBL:**

- ER Generating Stations: Kerala utilized URS power from NTPC Barh, with a maximum utilization of approximately 270 MW on 10.09.2026.
- NLCIL Stations: The maximum URS power utilized from NTPL and NLCIL TPS-II Expansion was approximately 80 MW.
- NTPC Stations: Kerala utilized URS power from NTECL Vallur, with a maximum utilization of approximately 450 MW on 22.09.2026.
- WR Generating Stations: Kerala utilized URS power from NTPC Sipat, with a maximum utilization of approximately 425 MW

❖ **PED:**

- NLCIL Stations: The maximum URS power utilized from NLCIL TPS-I Expansion was approximately 32 MW on 15.09.2026.
- NTPC Stations: The maximum URS power utilized from NTPC RSTPS units 1 to 6 was approximately 57 MW and from NTPC Simhadri Stage-II was approximately 35 MW on 15.09.2026.

❖ **TGTRANSCO:**

- ER Generating Stations: The maximum URS power utilization from NTPC FSTPP Stage-I & II was approximately 450 MW on 11.09.2026.
- NLCIL Stations: The maximum URS power utilization from NTPL was approximately 85 MW.
- NTPC Stations: The maximum URS power utilization from NTPC Simhadri Stage-II and NTPC Kudgi was approximately 250 MW.
- WR Generating Stations: The maximum URS power utilization was approximately 670 MW from NTPC Sipat. The average URS utilisation was around 200 MW.

❖ **Power made available in the market by GENCOs during September 2026:**

The following were noted during September 2026:

- DAM sale by NLCIL/NTPL generators: Maximum power sold was around 150 MW by NNTPS and NLCIL TPS-II.
- DAM sale by NTPC/NTECL generators: Maximum power sold was around 250 to 350 MW by NTECL.
- RTM sale by NLCIL/NTPL generators: The quantum of RTM sale is observed to be more than that of DAM sale during the month. Maximum power sold is around 400 MW by NTPL.
- RTM sale by NTPC/NTECL generators: The quantum of RTM sale is observed to be more than that of DAM sale during the month. Maximum power sold by NTPC Kudgi was around 580 MW.

32.4 Frequency related issues (under drawal(UD)/ over drawal(OD))

State wise deviation Vs frequency presented by SRLDC for September 2026.

The following were highlighted regarding the UD and OD beyond the prescribed limit:

State	OD beyond the limit at low frequency	UD beyond the limit at high frequency
AP	3.6	2.1
TG	2.3	2.0
KA	2.9	1.6
TN	4.7	6.5

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KL	2.3	0.2

- AP: OD instances up to 1800 MW, UD instances up to 1500 MW
- TG: OD instances more than 3000 MW, UD instances more than 2000 MW
- KA: OD instances up to 2000 MW, UD instances up to 1800 MW
- TN: OD instances up to 2000 MW, UD instances up to 4000 MW
- KL: OD instances up to 800 MW, UD instances up to 500 MW

- SRLDC observed that OD at low frequency during September 2026 is around 2 to 3 times more than that of August 2026.
- KSEBL stated that hydro generation was being utilized to the maximum extent possible. At the beginning of September 2026, one unit at Idukki was under emergency repairs, while one unit at Sabarigiri was also under outage. Further, some of the power contracted by Kerala could not be realized due to non-supply from certain generating stations. An increase of more than 14% in demand was also observed during the month.

  KSEBL further informed that some of the contracted power was being realized in October 2026 and, therefore, significant deviations were not expected during October 2026.

Conclusion:

- SLDCs to take necessary measures to restrict over drawal and under drawal instances.

32.5 Instance of deployment of Ancillary Services/AGC

SRLDC presented the SRAS and TRAS deployed in September 2026 in SR

a. SRAS Maximum UP dispatch: 458 MW on 19.09.2026.

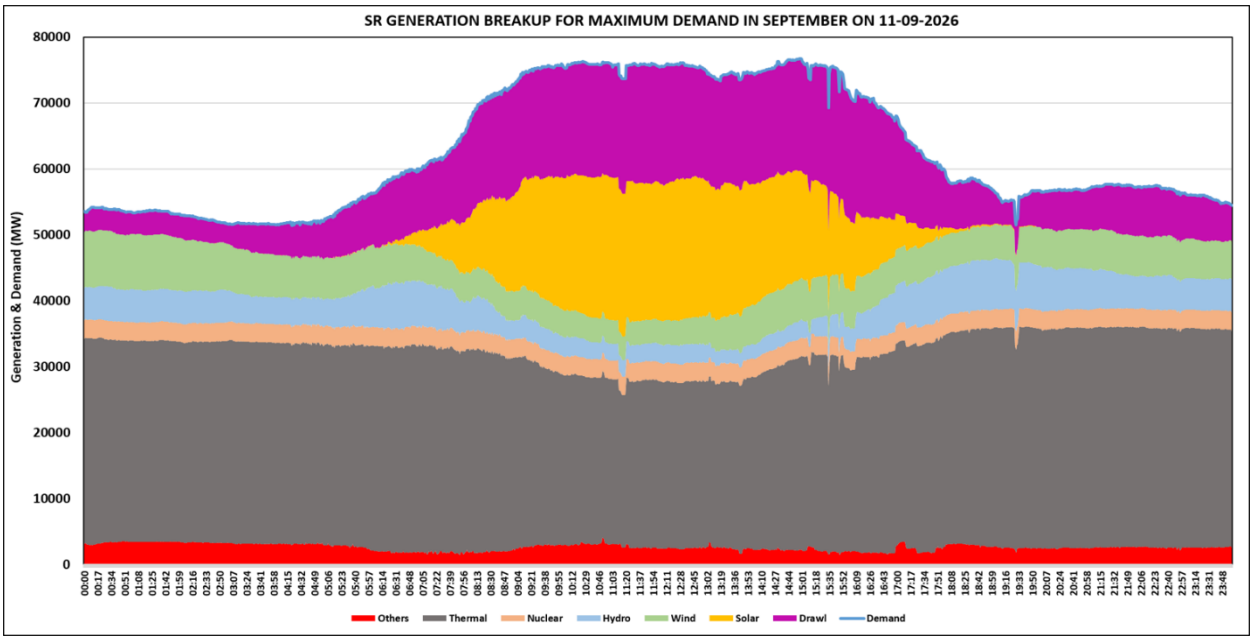
b. SRAS Maximum DOWN dispatch: 427 MW on 06.09.2026.

c. TRAS Maximum UP dispatch: 1829 MW on 12.09.2026.

d. TRAS Maximum DOWN dispatch: 2848 MW on 21.09.2026.

32.6 Maximum demand met and details of mix of generation in meeting the demand.

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SRLDC presented the following:

- It was noted that the Southern Region achieved its maximum demand in the month of September 2026 on **11.09.2026**, when the demand touched **76747 MW** at **14:57 hours**.
- The generation breakup indicated that thermal power was contributing 29159 MW, hydro generation was contributing 2731 MW, while renewable energy sources - solar was contributing 16465 MW and wind was contributing 6263 MW, drawal was 17007 MW.
- The energy generation on 11.09.2026 was 1480 MU. Thermal contribution was 48%; Hydro contribution was 7%.

32.7 Solar generation hours during the month/solar Peak

SRLDC presented the Solar generation pattern for the month of September 2026, highlighting the maximum and minimum generation day patterns. The following were noted:

- Maximum solar generation was **192 MU on 05.09.2026**. On that day, Maximum Solar Generation was **24925 MW at 10:41 hours.**
- Minimum solar generation was **121 MU on 23.09.2026**. On that day, Maximum Solar Generation was **15251 MW at 12:27.**

32.8 Wind Generation pattern and peak

SRLDC presented the Wind generation pattern for the month of September 2026, highlighting the maximum and minimum generation day patterns. The following were noted:

- Maximum wind generation was **331 MU** on **24.09.2026**. On that day, Max Wind Generation was **15235 MW at 20:25 hours.** The trend of increasing wind generation is observed.
- Minimum wind generation was **50 MU** on **28.09.2026**. On that day, Max Wind Generation was **3816 MW at 17:43 hours.**
- Maximum total Renewable Energy generation was 462 MU on 24.09.2026, due to increase in wind generation.
- Minimum total Renewable Energy generation was 221 MU on 28.09.2026.
- The comparison of Renewable Energy generation in September 2026 and September 2025 was also presented.

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32.9 Transmission network/system operation issues.

Voltage Related Issues

- SRLDC presented the analysis on the % of time voltages were beyond IEGC limit (26 S/S details were presented). In view of the anticipated voltage profile, it is suggested that the commissioning of the planned reactors may be expedited.
- High voltage conditions were observed across Telangana during night hours.

Conclusion

- TGSLDC/Other SLDCs to coordinate internally to plan measures to control high voltages effectively, ensuring protection of capital assets.

32.10 Any specific issues need attention

Nil

33. SRLDC Agenda Items

SRLDC vide mail dated 01.10.2026, had furnished the agenda ***(Annexure-33a)***

1. Prolonged outage of Bus reactors & Line reactors w.r.t following substations:

Sl No	400 kV Element	Reason	Outage Date and Time	Update as per SLDC/242nd OCCM
1	HEBBANAHALLI - 400KV B/R 1	Forced outage due to CB issues. R phase bushing flashover	22-Nov-2024 20:39	KAR SLDC informed that the required material is yet to be received for installation of Hebbanahalli B/R. It is awaited to arrive from Germany.
2	SEIL_P2 - 400KV B/R 1	Oil Leak from the Radiator. Later isolator got damaged	24-Jun-2025 10:01	SEIL P2 informed that material is in transit and expected to reach site by 1st week of October 26. Restoration of the B/R is planned by October 26 end.
3	KV_KOTA - 400KV B/R 1	PRV Operated	21-Aug-2025 10:54	Quotation sanction is under process. Upon approval, the matter regarding the deputation of a BHEL (OEM) engineer will be taken up.
4	TALGUPPA - 400KV B/R 2	Y-ph CB failed	07-Feb-2026 06:46	KAR SLDC informed that OEM had submitted a quotation earlier. Following subsequent negotiations, the quoted price

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Sl No	400 kV Element	Reason	Outage Date and Time	Update as per SLDC/242nd OCCM
				was reduced, and the revised quotation has been forwarded to management for approval.

Table 3

Updates:

- ✓ **Hebbanahalli - 400KV B/R 1**: KAR SLDC informed that the required material is yet to be received for installation of Hebbanahalli B/R. It is awaited to arrive from Germany.
- ✓ **SEIL P2 - 400KV B/R 1**: SEIL P2 informed that material is received. Restoration of the B/R is planned by October 26 end.
- ✓ **KV KOTA - 400KV B/R 1**: Quotation sanction is under process. Upon approval, the matter regarding the deputation of a BHEL (OEM) engineer will be taken up.

Talguppa - 400KV B/R 2*: KAR SLDC informed that been forwarded to management approval is received for the revised quotation. It will be procured and commissioned in 3 months period.*

2. Prolonged AC transmission elements outage:

Sl No	400 kV Element	Reason	Outage Date and Time	Update as per SLDC/242nd OCCM
1	400KV/230KV PULI-YANTHOPE-ICT-2	Y Phase differential protection operated	02-Apr-2026 20:29	Rectification of the ICT is in the scope of supplier
2	400KV-ENNORE SEZ-NCTPS_STAGE_II-1	flange insulator failure between the 401 CTB to disconnector module 401-89B and 401 – 89BE	11-May-2026 14:07	Breaker issue to be rectified by OEM(BHEL).

Table 4

Updates:

- ✓ **400KV/230KV Puliyanthope ICT-2**: Rectification of the ICT is in the scope of supplier.
- ✓ **400KV Ennore SEZ-NCTPS Stage-II-1**: Breaker issue to be rectified by OEM(BHEL).

3. Operational issues faced in SR Grid:

a. ICT loading issues:

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ICT N-1 loading violation observed at Bidadi, Gazuwaka, Guttur, Hoody, Jindal, Kalikiri, KV Kota, Mysore, Narendra, Nelamangala, Ramagundam, Somanahalli, Vijayawada, Vemagiri, Arasur, Neyveli TSII, NNTPP and Yelahanka substations during September 2026. Respective entity may please take action.

Deliberations:

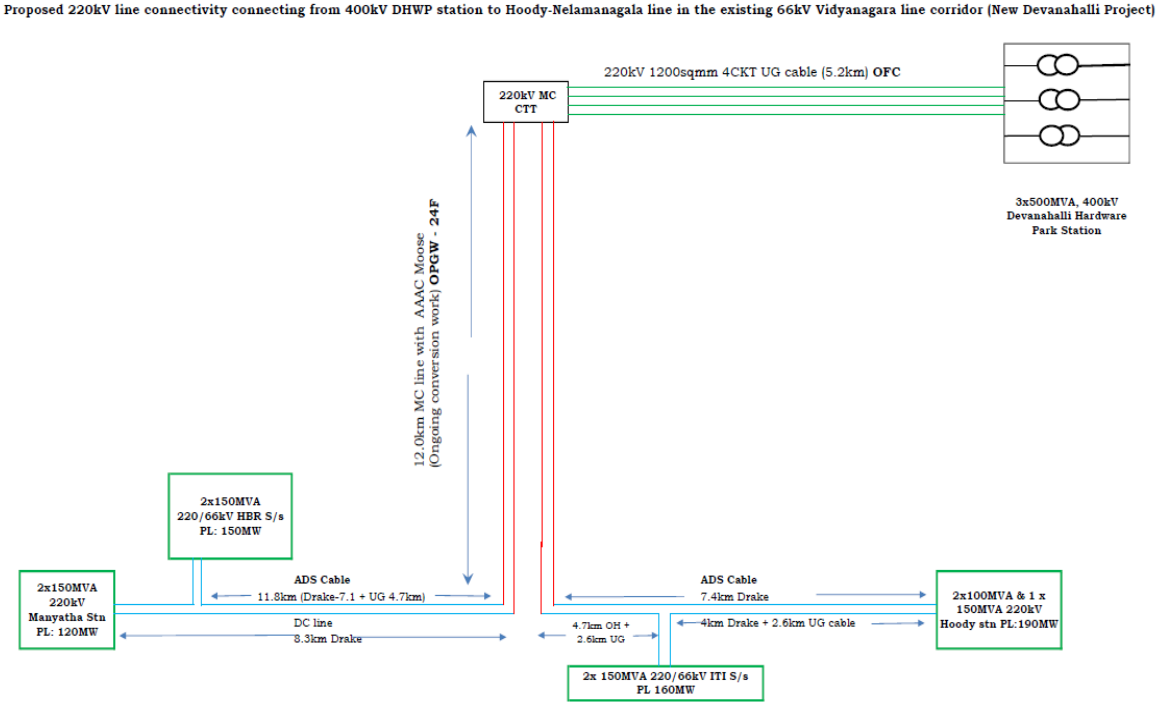
SRLDC presented the N-1 violation of the following ICTs during September 2026:

S.No	Element	N-1 Limit	N-1 Violation (%)
Karnataka			
1	400/220 kV Bidadi(PG) ICTs (2 x 500 MVA)	272, 272	35, 35
2	400/220 kV Jindal ICTs (2 x 315 MVA)	198, 198	12, 12
3	400/220 kV Guttur ICTs (2 x 315 MVA)	194, 194	16, 16
4	400/220 kV Hoody ICTs (3 x 500 MVA)	316, 316, 316	56, 56, 56
5	400/220 kV Narendra(PG) ICTs (2 x 500 MVA)	308, 308	39, 39
6	400/220 kV Nelamangala ICTs (3 x 500 MVA)	316, 316, 316	10, 10, 10
7	400/220 kV Yelahanka ICTs (2 x 500 MVA)	238, 238	20, 20
8	400/220 kV UPCL ICTs (2 x 315 MVA)	175, 175	2, 2
Andhra Pradesh			
1	400/220 kV KV Kota ICTs (2 x 315 MVA)	218, 218	10, 10
2	400/220 kV Vemagiri(AP) ICTs (3 x 315 + 1 x 500 MVA)	228, 228, 228, 361	14, 14, 14, 14
3	400/220 kV Vijayawada ICTs (2 x 315 + 1 x 500 MVA)	210, 210, 333	12, 12, 12
4	400/220 kV Gazuwaka ICTs (2 x 315 + 1 x 500 MVA)	236, 236, 373	25, 25, 25
Telangana			
1	400/220 kV Nagarjunasagar(PG) ICTs (2 x 315 + 1 x 500 MVA)	213, 213, 337	6, 44, 0
Tamil Nadu			
1	400/230 kV Arasur(PG) ICTs (2 x 315 + 2 x 500 MVA)	239, 239, 379, 379	3, 3, 3, 3
2	400/230 kV Neyveli TS-II ICTs (2 x 250 MVA)	158, 158	23, 23
3	400/220 kV NNTPS ICTs (2 x 500 MVA)	283, 283	27, 27
Kerala			
1	400/220 kV Kozhikode ICTs (2 x 315 + 1 x 500 MVA)	203, 203, 322	13, 13, 13

- KPTCL stated that the loading on Hoody ICTs is expected to reduce with the commissioning of Dommasandra S/S (by Nov 26). Also, additional ICTs are expected to be commissioned at Bidadi(PG), Narendra(PG) and Yelahanka(PG) S/S.

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220 kV Devanahalli- HBR, 220 kV HBR – Manyata, 220 kV Devanahalli- Manyata, 220 kV Devanahalli – ITI, 220 kV ITI – Hoody, 220 kV Devahalli - Hoody are under progress and expected to commission very shortly in Oct 26, thereby loading on Yelahanka(PG) S/S will reduce.



b. Low voltages in Southern Region:

Low voltage conditions were observed at 400 kV stations, particularly during the morning peak hours, at Doni, Guttur, Hoody, Jagalur, Munirabad, Mylasandra, Somanahalli, Hosur, Pondy and Vellalaviduthi.

As per IEGC 2023 Annexure-4 regarding Reactive Power Compensation,

"Reactive power compensation should ideally be provided locally, by generating reactive power as close to the reactive power consumption as possible. The regional entities are expected to provide local VAR compensation or generation such that they do not draw VARs from the EHV grid, particularly under low-voltage condition. "

It is therefore requested that, corrective actions in this regard may please be taken for safe & secure operation of the grid.

Deliberations:

- The following is noted from the graphs wrt Substations:

Substation	Duration for which voltage is less than 390 kV	Duration for which voltage is more than 420 kV	Minimum Voltage (kV)
400 kV Somanahalli	13.94	1.02	370.45
400kV Bidadi	4.03	8.54	376.92
400kV Devanahalli	6.22	4.25	380.57
400kV Doni	16.56	0	375.54

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400kV Guttur	7.11	0.01	381.33
400 kV Hoody	8.65	2.09	378.06
400 kV Hosur	13.76	0.08	371.05
400 kV Jagalur	7.01	0.01	383.09
400 kV Yelahanka	1.26	11.17	383.09
400 kV Munirabad	25.38	0	372
400 kV Mylasandra	14.62	3.56	370.51
400 kV Nelamangala	2.20	10.81	380.88
400kV Vellalaviduthi	4.90	0.02	378.22
400kV Sriperumbudur	1.56	0	382.48
400kV NNTPS	3.66	0	377.92
400kV Puducherry	15.03	0	372
400kV SV Chatram	3.01	0	382.55
400kV Trichy	1.08	0	384.36

c. Deviation in drawal by States:

Persistent deviations from the schedule by Tamil Nadu, Karnataka, Andhra Pradesh, Kerala and Telangana have been observed during September 2026. The matter has been consistently taken up through various communications and real-time messages. Physical regulation measures were also undertaken during the month on several occasions to control the deviations and maintain grid security. However, despite these measures, instances of significant deviations continued, particularly during non-solar hours, at times leading to critical grid operating conditions and adversely affecting frequency stability and overall grid security.
It is pertinent to mention, CERC, vide its Order dated 11.09.2023 in Petition No. 132/MP/2022, in the matter of "Over-drawl from the Grid by Regional Entities leading to insecure operation of the Grid and other associated matters", had directed the respondent SLDCs to adhere to an Action Plan for ensuring grid security and controlling over-drawl/deviations.
In this regard following clauses of the Indian Electricity Grid Code (IEGC) 2023 shall be noted and complied:

30.(3) All users shall adhere to their schedule of injection or drawl, as the case may be, and take such action as required under these regulations and as directed by NLDC or respective RLDCs or respective SLDCs so that the grid frequency is maintained and remains within the allowable band.
45. (6) Each regional entity shall regulate its generation or demand or both, as the case may be, so as to adhere to the schedule of net injection into or net drawal from the inter-State transmission system.

Various Communications were issued in this regard during September 2026.

Deliberations:
✓ From the graphs, the following is noted (Refer SRLDC PPT)

kerala:

Date	**OD quantum (MW)**	**UD quantum (MW)**
03.09.26	795	-308

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04.09.26	602	-279
08.09.26	553	-281
11.09.26	607	-320
15.09.26	665	-406
16.09.26	805	-573

- KSEBL stated that load restriction measures were taken during September 2026, but the increase in demand was more than anticipated. In the month of October 2026, additional power was contracted and deviations would be avoided to the extent possible.

- Physical regulatory measures were taken by SRLDC to control the OD in AP, TG, KA, TN.

Andhra Pradesh:

Date	**OD quantum (MW)**	**UD quantum (MW)**
03.09.26	1020	-1059
04.09.26	1309	-615
05.09.26	1795	-476
06.09.26	882	-837
08.09.26	992	-1599
09.09.26	1502	-1105
10.09.26	1336	-846
11.09.26	892	-806
15.09.26	815	-881
16.09.26	982	-839
19.09.26	1167	-565
21.09.26	1022	-1481

Karnataka:

Date	**OD quantum (MW)**	**UD quantum (MW)**
09.09.26	1998	-486
11.09.26	1699	-934
14.09.26	1045	-716
15.09.26	1816	-722
16.09.26	1521	-867

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29.09.26	1204	-779

Telangana:

Date	OD quantum (MW)	UD quantum (MW)
03.09.26	1162	-966
08.09.26	1374	-2226
09.09.26	1799	-982
11.09.26	1551	-1420
21.09.26	1792	901
28.09.26	1025	-1544
29.09.26	1389	-874

Tamil Nadu:

Date	OD quantum (MW)	UD quantum (MW)
03.09.26	1627	-849
04.09.26	2107	-1560
08.09.26	1844	-1718
09.09.26	2151	-799
10.09.26	1860	-1026
11.09.26	1733	-1106
16.09.26	1579	-1763

- SRLDC observed that Resource adequacy needs to be carried out by all states and power may be procured as per requirement and dependency on market needs to be reduced.

d. Resource Adequacy and Maintaining Grid Discipline During High-Demand Conditions

Due to El Niño conditions, deficient rainfall, and persistently high temperatures, Southern Region has been experiencing a high-demand scenario. From 01 September 2026 onwards, resource inadequacy has been observed in Southern Region states to meet the increased demand.
During the morning and evening peak periods, system frequency has also been observed to remain on the lower side, primarily due to sudden load ramp-up, compounded by low wind generation and reduced hydro inflows.
The States are requested to take necessary proactive measures to address resource inadequacy, support system ramping requirements, minimize deviations and maintain grid discipline during the prevailing high-demand conditions. In this regard,

- States to ensure diligent preparation of Load Generation Balance (LGB) considering expected demand, generation availability, outages and renewable generation.

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- Ensure realistic scheduling commensurate with available resources and minimize deviations from schedule.
- Ensure real-time preparedness and coordination to maintain grid discipline and system security during high-demand conditions.

Deliberations:

- SRLDC presented the seasonal outlook for rainfall for June to Sep 26 period and also for October 2026 sourced from IMD.

Seasonal outlook for Rainfall during Post-Monsoon Season 2026 and Rainfall and Temperature during October 2026

Highlights

a) **Seasonal rainfall during October to December (OND) over South Peninsular India** consisting of five meteorological subdivisions (Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe, and South Interior Karnataka) **is most likely to be normal (88-112% of Long Period Average (LPA)).** Most parts of the country are expected to receive below-normal rainfall, except some areas of Northwest India and southern parts of the peninsular India, where rainfall is likely to be normal to above-normal.

b) **Monthly rainfall over the country as a whole during October 2026 is likely to be below normal (<85 % of LPA).** In October 2026, most parts of the country are expected to receive below-normal rainfall except, some areas in Northwest India, southern parts of peninsular India and isolated areas of the East India, which may experience normal to above normal rainfall.

c) In October, above-normal maximum temperatures are likely over most parts of the country except some regions of the northeast India and isolated pockets of central and northwest India where normal maximum temperatures are expected. During October, above normal minimum temperatures are likely over most parts of the country except in most parts of Northeast India where normal to below normal minimum temperatures are likely.

d) Strong El Niño conditions are currently prevailing over the equatorial Pacific Ocean, with sea surface temperatures well above average (especially in the eastcentral and eastern equatorial Pacific). Forecasts from the Monsoon Mission Coupled Forecast System (MMCFS) and other major climate models indicate that El Niño will continue to strengthen through the end of the year.

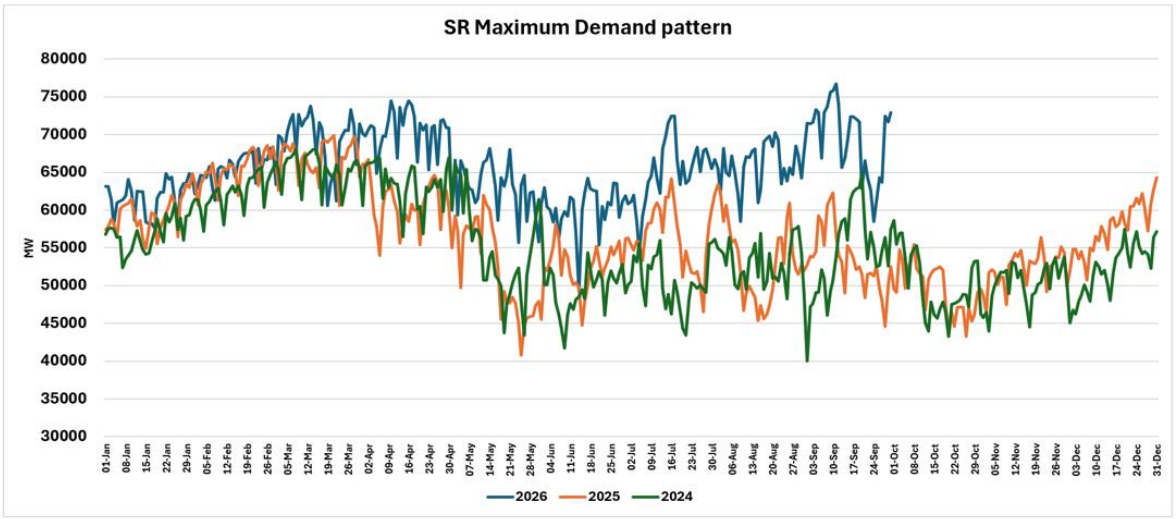
e) Neutral Indian Ocean Dipole (IOD) conditions are currently prevailing over the Indian Ocean. The latest MMCFS forecast indicates that neutral IOD conditions are likely to continue during NE Monsoon season.

f) **IMD will issue the outlook for the rainfall and temperature during November 2026 towards the end of October 2026.**

Region	Season rainfall (01.06.2026 to 29.09.2026)		
	Actual (mm)	Normal (mm)	Departure (%)
East & Northeast India	1016.3	1361.2	-25%
Northwest India	552.9	586.6	-6%
Central India	952.3	974.7	-2%
South Peninsula	539	710	-24%
The Country as a Whole	758.5	865	-12%

Source: IMD (Published on 29.09.26)

- SRLDC presented the SR demand pattern comparison:



- High demand growth is observed during the last few months in 2026 (23% more when compared to last year).

Conclusion:

- All SLDCs may ensure Resource adequacy, plan for procurement of additional power to meet the state demand.

34. Status of Augmentation capacity under implementation by PGCIL/RTM

The following ICTs are under implementation in SR under RTM route:

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S.No.	Substation	ICT Capacity	Latest Update (243rd OCC)
1	**Kurnool-3** new S/S	9 x 500 MVA, 400/220 kV, **ICT (1 to 9)**	**55 JCC:** ICT 1-7 commissioned ICT 8-9: Oct 2027
2	**Kurnool New S/s**	1 x 1500 MVA, 765/400 kV **ICT (3)**	**55 JCC:** charged on 28.03.2026
3	**Koppal PS**	1x500MVA, 400/220kV **ICT (6th)**	**55 JCC:** charged on 03.12.2025
4	**Gadag PS**	1x500MVA, 400/220kV **ICT (6th)**	**55 JCC:** charged on 11.03.2026
5	**Tuticorin-II GIS PS**	500 MVA, 400/230kV **ICT (6th)**	**55 JCC:** commissioned on 03.08.2026
6	**NP Kunta PS**	1x500 MVA, 400/220kV **ICT (5th)**	**55 JCC:** By Oct 2026
7	**Tumkur (Pavagada) 400/220kV PS**	2x500MVA, 400/220kV **ICTs (7th & 8th)**	**55 JCC:** ICT 7: Charged on 28.07.2026 ICT 8: By Nov 2026
8	**Karur PS**	2x500 MVA, 400/230 kV ICT (3rd & 4th)	**55 JCC:** ICT 3: By Feb 2027 ICT 4: By Mar 2027
9	**Onshore Pooling Station (GIS)** near Avaraikulam, Tirunelveli District and **Offshore (OSS-1) SS-1 (GIS)**	2x500 MVA, 400/230 kV ICTs at Onshore Pooling Station 300 MVAr STATCOM along with 2x125MVAr MSR 2x315 MVA, 230/66kV ICTs at OffShore Substation-1 (GIS)	**55 JCC:** By end of March 2030
10	**Tumkur (Pavagada) PS**	2x500 MVA, 400/220 kV ICTs (9th & 10th)	**55 JCC:** By Feb 2027
11	**Yelahanka (GIS) S/S**	1x500MVA, 400/220kV **ICT (3rd)**	**55 JCC:** By June 2027
12	**Bidadi (GIS) S/S**	1x500 MVA, 400/220kV **ICT (3rd)**	**55 JCC:** By June 2027
13	**Tuticorin-II GIS S/S**	1x500 MVA, 400/230kV **ICT (7th)**	**55 JCC:** By February 2028
14	**Nagarjunasagar S/S**	1x500 MVA, 400/230kV **ICT (4th)**	**55 JCC:** By May 2027
15	**Kozhikode S/S**	1x500 MVA, 400/220kV **ICT (4th)**	**55 JCC:** By June 2027
16	**Trivandrum S/S**	1x500 MVA, 400/220kV **ICT (4th)**	**55 JCC:** By June 2027
17	**Udumalpet S/S**	1x500 MVA, 400/220kV **ICT (2nd or new)**	**55 JCC:** By June 2027

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18	**Thrissur VSC HVDC S/S**	1x500 MVA, 400/220kV **ICT (3rd)**	**55 JCC:** By December 2027
19	**Narendra S/S**	1x500 MVA, 400/220kV **ICT (3rd)**	**55 JCC:** By Sept 2027
20	**Kalivanthapattu S/S**	1x500 MVA, 400/220kV **ICT (4th)**	**55 JCC:** By June 2027
21	**Davangere SS**	1x500 MVA, 400/220kV **ICT (9th)**	**55 JCC:** By Dec 2028

35. The following ICTs are under implementation in SR under TBCB route:

S.No.	Substation	TBCB	ICT Capacity	Latest update (243rd OCC)
1	**Kasargode GIS S/S**	Udupi Kasargode TL (Sterlite)	2x500MVA, 400/220 kV **ICTs**	**55 JCC:** COD is dependent on completion of Udupi-Kasargode line which is delayed due to RoW issues
2	**Narendra (New) (GIS)**	WRSR Power TL (Adani)	4x1500 MVA, 765/400 kV ICTs	**55 JCC:** By Dec 2026
3	**New pooling station** at suitable border location between Ananthpuram & Kurnool distt	Ananthpuram Kurnool TL (PGCIL)	7x500MVA, 400/220 kV **ICTs**	**55 JCC:** Deemed CoD declared wef 24.06.2026
4	**Koppal-II (Phase- A) Pooling Station**	Koppal II Gadag II TL (PGCIL)	4x1500 MVA, 765/400 kV ICTs (1-4) 4x500 MVA, 400/220 kV ICTs (1-4)	**55 JCC:** 765/400 kV ICT-1, 3, 4 charged on 30.09.2026, 22.09.2026 and 30.09.2026 respectively 400/220 kV ICT-1&2 charged on 23.09.2026 Anticipated COD progressively Sept 2026 – Oct 2026
	Gadag-II (Phase -A) Pooling Station		2x500 MVA, 400/220 kV ICTs (1-2)	**55 JCC:** charged on 27.09.2026
5	**Bidar SS**	Bidar TL (PGCIL)	3x1500 MVA, 765/400 kV ICTs (1-3) 5x500 MVA, 400/220 kV ICTs (1-5)	**55 JCC:** 765/400 kV ICT 1&2 charged on 20.09.2026. 765/400 kV ICT 3 charged on

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				27.09.2026 400/220 kV ICT (1-5) – Charged on 20.09.2026.
6	**Tumkur-II PS**	Tumkur-II REZ Power TL (GR Infra)	4x500 MVA, 400/220 kV ICTs	**55 JCC:** By Mar 2027
7	**Bijapur PS**	Bijapur REZ TL (GR infra)	5x500 MVA, 400/220 kV ICTs	**55 JCC:** By Jun 2027
8	**Koppal-II PS**	Gadag II and Koppal II TL (PGCIL)	3x1500 MVA, 765/400 kV ICTs (5-7) 5x500 MVA, 400/220 kV ICTs (5-9)	**55 JCC:** By Mar 2027
	Gadag-II PS		7x500 MVA, 400/220 kV ICTs (3-9)	
9	**Bidar PS**	Bidar TL (PGCIL)	1x1500 MVA, 765/400 kV ICT (4) 3x500 MVA, 400/220 kV ICTs (6-8)	**55 JCC:** 765/400 kV ICTs by June 2027 400/220 kV ICTs by June 2027
10	**Davanagere /Chitra-durga**	Chitraddurga Bel-lary REZ TL (PGCIL)	4x1500 MVA, 765/400 kV ICTs (1-4) 4x500 MVA, 400/220 kV ICTs (1-4)	**55 JCC:** By Sept 2027
	Bellary PS		4x500 MVA, 400/220 kV ICTs (1-4)	**55 JCC:** By Sept 2027
11	**Kurnool-IV PS**	Kurnool-IV TL (PGCIL)	4x1500 MVA, 765/400 kV ICTs (1-4) 4x500 MVA, 400/220 kV ICTs (1-4)	**55 JCC:** By Sept 2027
	C'Peta SS		1x1500 MVA, 765/400 kV ICTs (3)	
12	**Kurnool-III PS**	Kurnool-III PS RE TL (PGCIL)	3x1500MVA, 765/400 kV **ICTs** 1x1500 MVA, 765/400 kV ICTs (7^{th})	**55 JCC:** Jun 2027
13	**Anathapuram-II PS**	Anathapur II REZ TL (Resonia)	4x1500 MVA, 765/400 kV ICTs (1-4) 6x500 MVA, 400/220 kV ICTs (1-6)	**55 JCC:** March 2027
14	**Anathapuram-II PS**	Anantapur II Power TL (Shiva-laya construction Ltd.)	1x500 MVA, 400/220 kV ICT 2x1500 MVA, 765/400 kV ICTs 6x500 MVA, 400/220 kV ICTs	**55 JCC:** April 2028

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	CN'Halli SS		3x1500 MVA, 765/400 kV ICTs	**55 JCC:** April 2028
15	**Davanagere PS**	Davanagere Power TL (PGCIL)	4x500 MVA, 400/220 kV ICTs (5-8)	**55 JCC:** September 2027
	Davanagere /Chitra-durga PS		1x1500 MVA, 765/400 kV ICT	**55 JCC:** September 2027
16	**Davanagere PS**	Bellary Davanag-ere TL (PGCIL)	2x1500 MVA, 765/400 kV ICTs (6-7)	**55 JCC:** February 2028
	Bellary PS		6x500 MVA, 400/220 kV ICTs	**55 JCC:** February 2028
17	**Tumkur-II PS**	Tumkur II RE TL (PGCIL)	3x500 MVA, 400/220 kV ICTs (5-7) 3x500 MVA, 400/220 kV ICTs (8-10)	**55 JCC:** May 2029
18	**Kurnool-IV PS**	Kurnool IV REZ Power TL (Re-sonia)	4x500 MVA, 400/220 kV ICTs 2x1500 MVA, 765/400 kV ICTs 6x500 MVA, 400/220 kV ICTs	**55 JCC:** May 2029
	Doma SS		4x1500 MVA, 765/400 kV ICTs	
19	**Kakinada (GIS) SS**	Kakinada I TL (PGCIL)	3x1500 MVA, 765/400 kV ICTs	**55 JCC:** Dec 2028
20	**Krishnagiri PS**	Krishnagiri REZ TL (PGCIL)	4x1500 MVA, 765/400 kV ICTs 5x500 MVA, 400/220 kV ICTs	**55 JCC:** Aug 2029
	Sagar SS		3x1500 MVA, 765/400 kV ICTs	**55 JCC:** Aug 2029
21	**Pendurthi (Vizag) GIS SS**	Vizag PTL (Adani Ltd.)	4x1500 MVA, 765/400 kV ICTs	**55 JCC:** Feb 2029
	Khammam-II SS		3x1500 MVA, 765/400 kV ICTs	**55 JCC:** Feb 2029

36. Assessment of online Dynamic Line Rating-Pilot Scheme

a) PGCIL had conducted a training session through Siemens Energy on the DLR Sensors Dash-board on 13.07.2026 for the sensors installed on the 400 kV Gooty–Pavagada transmission line.
b) The matter was deliberated in the 58th SRPC/55th TCC Meetings. Regarding the Tuticorin–Ma-durai line, PGCIL (SR-I) informed that the pilot project involving 18 ODLR sensors had been implemented at a cost of approximately ₹8 crore.
c) TATA, the OEM, subsequently quoted ₹4.6 crore (excluding GST) for shifting and re-installa-tion of the 18 sensors, vide its offer dated 23.07.2026.
d) PGCIL expressed its inability to bear the shifting cost, considering the substantial expenditure involved. It was also clarified that the original pilot project had been awarded through open bid-ding when only a limited number of vendors/OEMs were available.
e) As the quoted cost for shifting appeared substantial, it was decided that the matter would be ex-amined by the concerned SRPC Sub-Committees, and their recommendations would be placed before the TCC/SRPC for further deliberation.

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Action to be taken:

Beneficiaries to furnish their views on the proposed shifting and re-installation of ODLR sensors, including the way forward, for detailed deliberation in the meeting.

- ***POWERGRID/SLDCs may share their views.***

Deliberations

The forum sought clarification from PGCIL regarding the quoted cost of ₹4.6 crore (excluding GST) for shifting and re-installation of the 18 ODLR sensors, considering that the total cost of the original pilot project was approximately ₹8 crore.

PGCIL (SR-II) informed that the matter was being coordinated by PGCIL Corporate with the vendor. The forum requested PGCIL (SR-II) to arrange a meeting with the vendor and the constituents to discuss the proposal and the vendor may be instructed to furnish a detailed break-up of the estimated cost of ₹4.6 crore for further examination.

Further, SRLDC was requested to study whether the line loading on the Tuticorin-Mardurai line would approach or exceed the desired loading of 1.2 pu during the upgradation works of Udumalpet-Madurai 400 kV S/C line to 400 kV Quad D/C and reconductoring of the associated Tirunelveli-Udumalpet and Pugalur-Madurai 400 kV D/C lines.

Action Points

1. PGCIL (SR-II) to arrange a meeting with the vendor and the constituents and obtain a detailed break-up of the estimated cost of ₹4.6 crore (excluding GST).

2. SRLDC to examine whether the loading on the Tuticorin–Madurai line would approach or exceed 1.2 p.u. during the upgradation of the Udumalpet–Madurai 400 kV S/C line to 400 kV Quad D/C and reconductoring of the associated Tirunelveli–Udumalpet and Pugalur–Madurai 400 kV D/C lines.

37. Status of New Thermal Projects of Central /State Sector (Scheduled for COD during 2026-27)

Sl No	Name of project	Capacity in MW	Status (243rd OCC)
1	**TANGEDCO-North Chennai Stage III**	1 x 800	**243rd OCC:** COD declared on 24.01.2026.
2	**TANGEDCO-Udangudi Stage I**	2 x 660	**243rd OCC**: Unit 1: COD declared on 05.09. Unit 2: expected by October 2026
3	**TANGEDCO-Ennore SEZ STPP (North Chennai Stg IV)**	2 x 660	**243rd OCC:** Expected date of commissioning for Unit 1: August 2027 Unit 2: October 2027
4	**TANGEDCO-Ennore TPS Exp.**	1 x 660	**240th OCC:** ETPS Expansion project to be established on "as is where is basis condition" under DBFOO model through tariff based competitive bidding, approval obtained from Hon'ble TNERC and Tender opening is 15.07.2026. **58th SRPC:** The tender opening date is extended to 20.08.2026

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5	**Uppur TPS**	2x800	**243rd OCC** Under discussion to revive the project. Earlier the project was stopped while in construction stage.
6	**TSGENCO-Damaracherla (Yadadri)**	5 x 800	**243rd OCC** Unit-1: COD declared on 12.07.2025 Unit 2: COD declared on 25.01.2025 Unit-3: COD declared on 13.05.2026 Unit-4: COD declared on 08.01.2026 Unit-5: COD expected in October 2026

38. Implementation of Bus and Line Reactors by the Utilities

1. APTRANSCO:

Sl. No	Substation (400kV)	Type/Capacity	Approved in	Status (243rd OCC)
1	**Atchutapuram**	**1x125+2x80**		Expected completion by December-2026. Works are under progress for SS and the Reactor.
2	**Kakinada SEZ**	**125**		Expected completion by June-2027. Works are under progress for SS and the Reactor.

2. APGENCO:

Sl. No	Substation (400kV)	Type/Capacity	Approved in	Status (243rd OCC)
1	**VTPS Stage IV**	**Bus Reactor/ 1x125 MVAr**	39th SC	Material reached site. Civil works in progress. Expected by end of December, 2026
2	**Polavaram HEP**	**Bus Reactor/ 2x125 MVAr**	42nd SC	Included in EPC contract. Drawings are submitted. Reactor is a part of Switchyard commissioning works. Work of switchyard are still to commence. Once the line works is completed, then erection will be started.

3. KPCL:

Sl. No	Substation (400kV)	Type/Capacity	Approved in	Status (243rd OCC)
1	**Yeramarus**	**Bus Reactor/ 1x125 MVAr**	1st SRSCT	**58th SRPC:** Budgetary approval of approx. 54 cr was accorded for installation of Bus reactor along with associated by

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				equipment. The proposal is required to be approved by Technical Management Committee and subsequently Board. Negotiations were directed with BHEL and other bidders for cost optimization.

4. TANTRANSCO:

Sl. No.	Substation	MVAR	Type	Approved in	Status (243rd OCC)
1	**Coimbatore (765kV)**	2 x 330	Line	42nd SC	Portion of land required for Coimbatore 765KV SS to be acquired. G.O. issued on 29.12.2022 for compulsory acquisition of land and being processed. Tender floated under TBCB. The reactor will be commissioned along with SS.
2	**Kayathar**	1x125	Bus	42nd SC	Space availability confirmed from the field for provision of these Bus reactors in the Substations. Administrative Approval yet to be obtained.
3	**Kamuthi**	1x125	Bus	42nd SC	
4	**Parali**	125	Bus	42nd SC	Awarded on 21.01.2021. Work will be taken up along with establishment of Substation.
5	**Arni**	2 x 125	Bus	42nd SC	Administrative Approval for SS and Reactor to be obtained.
6	**Edayarpalayam**	2 x 125	Bus	38th SC	Contract terminated. Retendered under TBCB. The reactor will be commissioned along with SS.
7	**Ottiyambakkam**	2x125	Bus	2nd SRSCT	DPR to be evolved and Fund to be tied up.

5. TGTRANSCO:

Sl. No	Substation (400kV)	Bus Reactor MVAr	Approved in	Status (243rd OCC)
1	Uddandapur	1x125	1st SRPC (TP)	Contract awarded on 04.03.2022. Reactor received at site. Reactor foundation works under progress
2	Narlapur	1x125	1st SRPC (TP)	Contract has been awarded for the erection of 400KV LI SS along with the supply & erection of 125 MVAR Reactors. The civil works of associated equipment are completed. erection works at Narlapur are under progress Expected date of commissioning is **31.10.2026**
3	Yedula	1x125	1st SRPC (TP)	Contract has been awarded for the erection of 400KV LI SS along with the supply & erection of 125 MVAR Reactors. The civil works of associated equipment are completed. The date of commissioning of 125MVAR Reactors at Yedula & Vattem are as detailed below. **Yedula : 01.09.2026** **Vattem : 13.08.2026**
4	Vettam	1x125	1st SRPC (TP)	

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39. Daily Load Forecast by SLDCs

(i) SLDCs are requested to divide the state load in to area-wise (district-wise/Substation wise) while carrying out the forecasting incorporating weather conditions etc.

(ii) SLDCs are requested to furnish the load forecast error (forecast Vs actual demand) on monthly basis to SRLDC along with reasons for sustained deviation.

(iii) SLDCs may share the day-ahead forecast by 12:00 hrs every day to SRLDC, for the subsequent day.

(iv) In the **208th/209th** Meetings of OCC, **SRLDC has circulated standardized formats for presentation of data over a period of days (weekly/monthly/yearly).**

✓ *Details furnished by SLDCs are attached as* ***Annexure-39a***

40. RE Forecast by SRLDC/SLDCs

(i) SRLDC to present the forecast, actual and forecast errors for wind and solar for the previous month in the OCC Meeting. All states had been requested to furnish the implemented forecast; day ahead forecast &actual also (before 5th of every month).

(ii) SLDCs may also carry out the analysis and present the observations of their RE forecast, issues faced etc. in the meeting.

➢ ***SRLDC/SLDCs may present the data for September 2026.***

Regulatory Reference: IEGC 2023 - Clause 31 (3) b

Quote

According to Clause 31 (3) b of the IEGC 2023, RLDC is responsible for forecasting generation from wind, solar, ESS, and Renewable Energy hybrid generating stations that are regional entities, while SLDC is responsible for forecasting generation from intra-state renewable energy sources for various time horizons, as per Clause (1) of Regulation 31 of these regulations for operational planning. **Unquote**

➢ ***All SLDCs may present the same.***

Deliberations

- SRLDC presented on the Normalized Root Mean Square Error (NRMSE) of ISTS renewable for September 2026. (Refer PPT at Annexure-32a)
- DA NRMSE %: Wind average error was 7.7 %, Solar average error was 6.5 % and combined average error was 5.3 %. (Refer PPT at Annexure-32a)
- Intraday NRMSE %: Wind average error was 5.5 %, Solar average error was 5.5 % and combined average error was 4.3 %. (Refer PPT at Annexure-32a)
- SR ISTS RE Block wise Error, SR ISTS Solar forecast Vs Actual and SR ISTS Wind forecast Vs Actual was also projected. (Refer PPT at Annexure-32a)
- RE forecast errors details submitted by SLDCs are attached as ***Annexure-39a***

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41. Automatic Demand Side Management Scheme (ADMS)

(i) As per clauses 36 (2) of IEGC, SLDC, in coordination with STU and Distribution Licensee (s), shall develop Automatic Demand Management scheme with emergency controls at SLDC.

(ii) CERC order dated 11.09.2023 in Petition No. 132/MP/2022 in the matter of over drawl from the grid by regional entities leading to insecure operation of the grid and other associated matters had directed the respondent SLDCs to ensure Automatic Demand Management System (ADMS) is in place in accordance with the Grid Code with appropriate feeders mapping to get the desired load relief. If the ADMS is in implementation stage in any State then till the time of implementation of ADMS manual load shedding of radial feeders identified by SLDCs which shall be done with concerned SLDCs instructions without any delay during emergency conditions shall be shared with SRLDC. **The Status of the implementation of ADMS shall be updated to the SRLDC on quarterly basis by the respective SLDC**.

In 242nd OCC, it was concluded as below:

- ✓ TN SLDC and Telangana SLDC were requested to conduct mock tests and review the quantum of relief being achieved under ADMS. If required additional feeders may be identified to achieve the desired relief of 200 MW in each stage.
- ✓ TN SLDC and Telangana SLDC report of mock test to be furnished to SRPC and SRLDC.
- ✓ AP SLDC was requested to submit a proposal regarding the possibility of overlapping ADMS feeders with feeders covered under AUFLS, Islanding Scheme or SPS arrangements. SRPC and SRLDC would review the proposed combinations and evolve an appropriate solution.

➢ ***TN SLDC/TN SLDC/ AP SLDC may update the action taken***

➢ ***Discussed under Agenda No. 4***

42. MVAR Performance of generating units

(i) Generators to take necessary action for absorption of MVAR up to the Capability. OEMs needed to be approached in case of less absorption and ensure MVAR absorption up to Capability.

(ii) At any point of time injection of MVAR shall be strictly avoided if voltages are higher than rated voltages. Tap position to be relooked wherever found feasible.

(iii) All the generators to analyze MVAR interchange on monthly basis and address the issues, if any, with intimation to SRLDC/SRPC.

(iv) In 239th OCC meeting, SRPC observed that the matter requires further examination and it was concluded that the observations and data presented by both sides would be examined in detail. The issue may be further deliberated between APL, SRLDC and SRPC.

(v) Further, the 16th Meeting on MVAR Performance Analysis of State Generating Stations was convened on 06.07.2026, followed by the meeting on MVAR Performance Analysis of ISTS-connected Generating Stations on 07.07.2026. During the meetings, all SLDCs, SRLDC, and the individual generating stations presented their respective analyses. The Minutes of Meeting (MoM) are awaited.

Deliberations

SRLDC presented the generating units exhibiting poor MVAR performance (SRLDC presentation is at ***Annexure-31a***) as follows:

- ❖ **CEPL Unit 1**: Many instances of injection at high voltages. SRLDC requested an update on the recommendation of tap changing.

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- **Kothagudem TPS Unit 11**: Many instances of injection at high voltages
- **Mettur TPS Unit 2**: Many instances of injection at high voltages of upto 125 MVAR were observed at high voltages of 230 kV
- **Tuticorin Unit 3**: No absorption of MVAR.
- **Yadadri Unit 2**: Many instances of injection at high voltages

Conclusion

Concerned SLDCs are requested to monitor the performance of these generators. GENCOs are requested to implement the recommendation of the 16th Meeting of MVAR Performance Analysis

43. Black Start Mock Drill Exercises

(i) Regulation 5.8b of CERC IEGC Regulation stipulates that "*Mock trial runs of the procedure for different subsystems shall be carried out by the Users/CTU/STU at least once every six months under intimation to the RLDC. Diesel Generator sets for black start would be tested on weekly basis and test report shall be sent to RLDC on quarterly basis".*

(ii) Point to point mock exercise for black start to be carried out by the constituents.

(iii) SRLDC had clarified that as per new IEGC Black-start mock drill is to be conducted **once in every financial year** and requested all the constituents to furnish the tentative schedule of Black start exercise for 2026-27.

The tentative schedule of Black start exercise for the year 2026-27 may be updated by all states.

- ***SRLDC/SLDCs may update the status of the tests carried out during June 2026 & Plan for June 2026, as well as the proposed schedule for the period July-September 2026.***

As per IEGC 2023, Regulation 34

Clause 2

Quote

Each RLDC, in consultation with the NLDC, CTU, and the concerned STUs, SLDCs, users and RPC, shall prepare detailed procedures for restoration of the regional grid under partial and total blackouts which shall be reviewed and updated annually by the concerned RLDC

Unquote

Clause 4

Quote

Simulation studies shall be carried out by each user in coordination with RLDC for preparing, reviewing and updating the restoration procedures considering the following:

(a) Black start capability of the generator;

(b) Ability of black start generator to build cranking path and sustain island;

(c) Impact of block load switching in or out;

(d) Line/transformer charging;

(e) Reduced fault levels;

(f) Protection settings under restoration condition.

Unquote

- States were requested to inform SRLDC, CROOM on D-1 basis regarding the Black-start mock exercise to enable real-time monitoring from SRLDC
- In 233rd OCC, the following points were noted
  - The Actual Dates of Mock drill exercise to be informed on D-7 basis.

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- To inform Control Room, SRLDC on D-1 basis regarding the Black-start mock exercise for monitoring in real-time.
- Point-to-point Mock drills to be completed

In 240th OCC, it was informed that there were no mock drill was conducted in June 2026 & only Lower Sileru was planned in the month of July 2026.

- ❖ States were requested to update the tentative schedule of Black start exercise for the year 2026-27 to SRLDC. SRLDC further emphasized that 3 months of FY 2026-27 have already completed and requested all GENCOs to finalize and furnish their testing schedule for 2026-27 at the earliest and plan the completion of all mock-drills by December 2026
- ❖ SRLDC appraised that the workshop is due to be conducted this year and requested all states to propose suitable dates for conduct of the workshop with their stakeholders.

Action Points

- ➢ **States are requested to update the tentative schedule for 2026-27**
- ➢ **Point to Point criteria needs to be ensured during Black Start Mock Drill**
- ➢ **States are requested to propose dates for workshop on black start procedures.**
- ➢ **PowerGrid may propose suitable dates for Black Start mock drill exercises of HVDC stations**
- ➢ ***SLDCs/Utilities may update.***

Deliberations

- ❖ No mock drills were conducted in September 2026
- ❖ The following mock drills are planned during October 2026.

Station (State)	Proposed date	Remarks
Nagjheri PH	15.10.2026	
Sarkarpathy PH	30.10.2026	
Papanasam PH	23.10.2026	
Srisailam RB	12.10.2026	

- ❖ SRLDC highlighted that Black Start Mock Drill is required to be conducted atleast once in a year and requested the GENCOs to undertake the mock drill by the end of December-2026.
- ❖ Further, SRLDC stated that workshop on Black Start Restoration Procedure is due to be conducted this year and requested states to convey their convenient dates for the workshop within a week.
- ❖ SRLDC noted that Black Start Mock Drill of Pugalur VSC, Bhadrawati B2B and Gazuwaka B2B HVDC stations is due. SRLDC proposed to conduct the Gazuwaka B2B HVDC Black start mock drill along with the outage of Simhadri units. The concurrence of the beneficiaries was requested.
- ❖ SRLDC highlighted that as per IEGC it was the utilities responsibility to propose and carry out the mock drills.

Action Points

- ➢ **TG was requested to update the tentative schedule for 2026-27**
- ➢ **Point to Point criteria needs to be ensured during Black Start Mock Drill**
- ➢ **States are requested to propose dates for workshop on black start procedures.**
- ➢ **PowerGrid may propose suitable dates for Black Start mock drill exercises of HVDC stations**

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44. PSS Tuning of Generating Units

(i) The Regulation 29(7) of CERC (IEGC) Regulations 2023 stipulates that 'The tuning of AVR, PSS, Voltage Controllers (PPC) including for low and high voltage ride through capability of wind and solar generators or any other requirement as per CEA Technical Standards for Connectivity shall be carried out by the respective generating station:

- *at least once every five (5) years;*
- *based on operational feedback provided by the RLDC after analysis of a grid event or disturbance; and*
- *in case of major network changes or fault level changes near the generating station as reported by NLDC or RLDC(s), as the case may be.*
- *in case of a major change in the excitation system of the generating station.*

(ii) Regulation 29(8) of CERC (IEGC) Regulations 2023 stipulates that Power System Stabilizers (PSSs), AVRs of generating units and reactive power controllers shall be properly tuned by the generating station as per the plan and the procedure prepared by the concerned RPC. In case the tuning is not complied with as per the plan and procedure, the concerned RLDC shall issue notice to the defaulting generating station to complete the tuning within a specified time, failing which the concerned RLDC may approach the Commission under Section 29 of the Act.

(iii) The Procedure finalised in the Meeting held on 27.09.2023 through VC is available at SRPC website. As per the Procedure, the Annual Plan for PSS turning of generating units under commercial operation in SR will be prepared by SRPC and finalized every year in the February-March month OCC Meetings for next FY. The plan will be reviewed in monthly OCC Meetings.

(iv) **Plan for PSS Tuning for the Year 2026-27 (Five Year cycle basis)** ***Annexure-44a***
In case the tuning is not complied with as per the plan and procedure, SRLDC shall issue notice to the defaulting generating station to complete the tuning within a specified time, failing which the concerned RLDC may approach the Commission under Section 29 of the Act.

(v) The MoM of 16th Meeting of PSS Tuning held on 13.07.2026 was issued and made available on website. All concerned are requested to initiate the actions as per MoM and accordingly intimate to SRPC/SRLDC.

Generators noted the above.

45. Implementation of Scheduling, Accounting, Metering and Settlement of Transactions in Electricity (SAMAST) by State Utilities

❖ Ministry of Power Committee to address issues related to Renewable (Solar/Wind) generators in the Deviation Settlement Mechanism Regulations, 2022 has recommended that for judicious apportionment of deviation among intra state entities within states it is essential that the SAMAST framework should be implemented in each state.

State/Utility	Status (243rd OCC)
Andhra Pradesh/ APTRANSCO	**57th TCC/243rd OCC:** All necessary approvals have been obtained, and the tender is expected to be floated soon.
Kerala/ KSEBL	**57th TCC/243rd OCC**: Software SAT has been completed. Certain punch points pertaining to the remaining four modules are yet to be resolved and are expected to be completed by September/October 2026. VAPT is yet to be carried out, and the work order has been issued to an external agency.

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Telangana/ TGTRANSCO	**57th TCC/243rd OCC:** i. Metering module: Meters have been commissioned at almost all locations, with only 10 meters remaining to be commissioned. ii. IT Module: Retendering is under progress. Subsequently, the remaining two modules, namely the AMR module and the hardware component, will be taken up immediately after the completion of the Scheduling Package.

46. Status of Implementation Automatic Generation Control (AGC)

a) Central Sector:

❖ **All CGS stations of SR had implemented AGC.**

1. All generators to look into the inconsistencies observed in AGC corrections during low frequency events, especially when operators report receiving advise for opposite responses. Ensure ongoing communication with NLDC to address any issues promptly, especially given the current unavailability of machines.
2. **SRLDC** may **s**chedule sessions with relevant stakeholders to discuss specific issues related to AGC performance, especially concerning lower frequency scenarios. Provide additional training or resources to operators to help them better understand AGC corrections and responses, especially in complex scenarios. Create a feedback loop for operators to report issues or **confusion regarding AGC operations so that they can be addressed in real-time.**
   - ➢ ***All the ISTS Generators may update the status***

b) State Level-Pilot Project identification &Implementation:

State	Generator	Status
Andhra Pradesh	**Krishnapatnam (2x800MW)**	**55th TCC**: All units will be put under AGC by 2026-27(along with SCADA up gradation). APGENCO had started procurement of required materials
Karnataka	**Sharavathy Generating Station** (1035MW) (Available MW for AGC is 10 % of live load up to maximum of 100 MW (10% of 1035 MW)	**55th TCC:** KPCL stated that AGC is ready at Sharavathy & Varahi. Whenever, clearance is given by SLDC, it will be enabled.
	Varahi Under Ground Power House (4x115 MW) (Available MW for AGC is 20% of live load up to maximum of 80 MW as per the programme planned)	
Kerala	**Kuttiady Unit No.5 (50 MW)**	**55th TCC** Being in the Northern Kerala, dedicated resources cannot be allocated for AGC at the moment. After commissioning of UPCL-Kasargod line, it might be possible.

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	Idukki Unit No.1 (130 MW)	KSEBL is in negotiation with M/s GE (OEM) and the proposed cost is exorbitantly high. So, the issue is held up. It is being pursued by SLDC as well.
Tamil Nadu	**1 North Chennai TPS Stage-II (2 x 600 MW)**	**55th TCC**: PO placed for materials. Materials reached. Work is in progress. **58th SRPC**: Order was placed in March 2026. Material is received and erection and commissioning works are in progress. Expected to be completed by end of August 2026
	2 MTPS-II(1 x 600MW)	**55th TCC**: PO placed for materials. Material is awaited. Work is in progress. **Both are expected to be completed by Nov-2026. Integration with SLDC would be taken up along with upgradation of SCADA** **58th SRPC**: Order was placed in March 2026. Material is awaited.
Telangana	**TS GENCO Stations**	**55th TCC:** All units will be put under AGC by 2026-27(Along with SCADA upgradation.**)** However, before that it is planned to test with PDA servers from SLDC to KTPS Stage VI. TGGENCO had also taken up for providing their end equipment.

47. Furnishing of information/data to SRPC Secretariat/CEA on regular basis

1) **PSP-daily Demand and Consumption pattern (CEA requirement):**

The daily Demand and Consumption pattern and the reason for significant variations w.r.t last year and past few days **is to be furnished in the prescribed format.**

2) **Category-wise Consumption Pattern (CEA requirement):**

RPCs had been requested to discuss/collect the data in respect of category-wise consumption of electricity in the States/UTs in OCC meetings on a regular basis in the prescribed format. All utilities may furnish data**.**

3) **Status of Implementation of the revised FGD Installation/ESP Up-gradation Plan (CEA/MoP requirement):**

(i) All the concerned to comply with norms, as per CPCB timelines and changes thereof since the activity is monitored by Hon'ble Supreme Court/Government.

(ii) **Updated information in respect of implementation of revised FGD installation/ESP to be furnished to CE (TPR&M), CEA** (cetprm-cea@gov.in) with a copy to SRPC**.**

4) **Strict Compliance of Environment Emission Norms**

CEA is monitoring the compliance of Environment Emission norms. In this regard, it is requested that the requisite information in the specific format may kindly be furnished by all the TPPs on monthly basis **to CE (TPR&M), CEA** (cetprm-cea@gov.in) with a copy to SRPC.

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The progress of Installation of Pollution control equipment may kindly be updated in the OCC meetings.

5) **Capacitor Installation:**

Details of capacitors installed by all the states needed to be submitted on monthly basis to SRPC Secretariat.

- **SLDCs/TRANSCOs to carry out studies on voltage issues and plan for Capacitor Installation in low voltage pockets. Especially KPTCL to look into Bangalore area and TN SLDC to Chennai Area.**

6) **U/F & df/dt Relays Schemes:**

Utilities are requested to update the status on regular basis.

7) **Compliance of CEA Regulations for Grid connectivity of RE Sources:**

All the SLDCs are requested to update the status on RE SCADA availability on monthly basis. All the states/STUs should adhere to the Grid Connectivity Regulations as amended.

8) **Certification of Healthiness of Islanding Scheme (CEA/MoP requirement):**

- ✓ Participating Generator Utilities /transmission utilities/SLDCs/SRLDC may confirm the healthiness of the Islanding Schemes. This is a monthly requirement and all the utilities to furnish the information by first week of every month so that the consolidated information can be passed on to CEA/MoP.
- ✓ Utilities are requested to confirm the Healthiness of Islanding scheme on monthly basis in the prescribed format within the specified dates (by the 3rd working day of the month) mailed to srpc.protectiondata@gmail.com & srpc.operation@gmail.com.

9) **Updating Daily/Monthly Generation and outages Data online at National Power Portal (NPP):**

- ✓ The generating stations are requested to update the data online on NPP portal regularly.
- ✓ SLDCs are responsible for the updating of data for all the generators including IPPs which are connected to respective network (even though in some stations PPA might have expired). The issues if any faced in updating the data may be taken up with CEA.

10) **Furnishing of Monthly Operating Report/Monthly Generation Report (CEA requirement):**

- ✓ CEA, OPM Division vide E-mail dated 28.06.2022 had informed that as per CEA (Furnishing of Statistics, Returns and Information) Regulations, 2007 data for the Monthly Operating Report/ Monthly Generation Report should be submitted by 7th of the month. However, it is noticed that the data is being sent by many stations/utilities till 15th of the month which results in inordinate delay in preparation of report by CEA.
- ✓ In view of above, it is requested that the data for the Monthly Operating Report/ Monthly Generation Report should be submitted by 7th of the month to the email id: mgrceaopm@gmail.com
- ✓ The monthly generation data w.r.t SR generators are being furnished to CEA by SRPC Secretariat. It is requested to all SLDCs and Generators to submit the generation data by 5th of every month (irrespective of date of OCC Meeting) to enable SRPC to consolidate the same and furnish to CEA by 5thof every month.

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11) **Monitoring of Unscheduled Capacity in Intra-State Thermal Stations**

(i) MoP vide letter dated 13.10.2023 has been conveyed that for State Generating Companies, it has been decided that CEA will obtain the details from each State Generating company (pant wise) in the prescribed format. From this format, conclusion can be drawn whether or not thermal stations are offering its unscheduled capacity to the market for optimum resource utilization.

(ii) It is requested to furnish the unscheduled capacity in Intra- State Thermal Stations for each state generating company (plant wise) in the prescribed format on a daily basis.

(iii) The data may please be mailed in the prescribed format by SLDCs to GM division, CEA (gmcea@nic.in) with a copy to SRPC Secretariat.

12) **Shifting of agricultural loads from Non-Solar hours to solar hours.**

(i) MoP vide communication dated 01.02.2024 had communicated certain observations regarding RE installed capacity and meeting the huge demand anticipated in the coming years.

(ii) **The following were the updates furnished by the SLDCs in the OCC meetings w.r.t shifting of agricultural loads to solar hours as per MoP communication:**

State/UT	Status of Agricultural Load Shifting	Remarks/Next Steps
Andhra Pradesh	- AP SLDC (05.03.2024): All 3 DISCOMs shifted 100% agricultural loads from non-solar to solar hours.	Fully implemented as per MoP directives.
Karnataka	- Except feeders with transmission constraints, all other agricultural feeders shifted to solar hours.	ESCOMs & transmission wings following up on remaining feeders.
Kerala	- Agricultural load is minimal (~2% of total load).	Impact of rooftop solar installations on power distribution being addressed.
Tamil Nadu	- Agricultural feeder segregation under RDSS and in progress.	- Current supply hours: 08:00-18:00 & 22:00-06:00.
Telangana	- TS SLDC: As per Telangana Govt. policy, 24-hour agricultural supply is provided.	No action taken to restrict load to solar hours.
Puducherry	- 24×7 agricultural power supply ensured. No load scheduling enforced.	- No feeder segregation done.
	- Consumers are being sensitized about MoP directives to encourage appropriate power consumption.	

48. Grid Highlights September 2026

(i) System Frequency

1. The grid operated above the IEGC range of 50.05 Hz for 15.5% of the time. It is concerning that the frequency was higher than normal for considerable durations on certain days, with the grid operating within the IEGC range only 68.81% of the time.
2. On **September 28**, 2026, the maximum frequency reached 50.42 Hz at 13:06 hours, while Tamil Nadu was underdrawings by approximately 500 MW. Notably, there was no significant over-drawal by other SR states during this instant. The drawal pattern for that day is presented in the graphs provided by SRLDC (see PPT at Annexure-32a).

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3. Additionally, the grid frequency occasionally fell below the IEGC range, operating below 49.90 Hz for 15.69% of the time during the month. The minimum frequency recorded was 49.41 Hz at 18:42 hours on 29.09.2026. TN was over drawing at that instant. The corresponding drawal pattern for that day is also available in the graphs presented by SRLDC (refer to PPT at Annexure-32a)

(ii) Pump Mode Operation

1. Srisailam pump mode consumption was 0.00MU.
2. N' Sagar pump mode consumption was -95.19 MU.
3. Kadamparai pump mode consumption was 0.00 MU.

(iii) Generation Capacity Addition

Tamil Nadu

S. No	Developer	Capacity (MW)	Location	Make	Voltage Level	Commissioning Date
1	M/s.Lavender Ecopower Pvt Ltd	1x 3.000 (3.000)	Tuticorin	Inox	33 KV	10.09.2026
2	M/s.Dahila Green Energy Pvt Ltd	1x 2.100 (2.100)	Tuticorin	Suzlon	33 KV	10.09.2026
3	M/s.Lavender Ecopower Pvt Ltd	2x 2.100 (4.200)	Tuticorin	Suzlon	33 KV	10.09.2026
4	M/s.Lilac Ecoenergy Private Limited	1x 3.000 (3.000)	Tuticorin	Inox	33 KV	10.09.2026
5	M/s.Lavender Ecopower Pvt Ltd	1x 3.000 (3.000)	Tuticorin	Suzlon	33 KV	24.09.2026
6	M/s.Lilac Ecoenergy Private Limited	1x 2.100 (2.100)	Tuticorin	Suzlon	33 KV	29.09.2026
7		17.4	Tirunelveli	-	-	September 2026

Andhra Pradesh

- 8 MW of Wind energy commissioned by M/s JSW Renewable energy cement Ltd, Aspari, Kurnool District on 30.09.2026.

(iv) Transmission elements commissioned

S.NO	Name of Element	Date of Charging
NIL		

49. Items for Information

It may be noted that CP, SRPC, had initiated necessary action in accordance with the recommendations of the 58 SRPC - 55 TCC meeting.

S.No	Details of the Agenda	Action Taken
1	Segregation and recovery of Deviation and Ancillary Services deficit charges attributable to embedded GNA/GNA-RE entities	CP SRPC vide letter dated 05.09.2026 ***(Annexure-49a)*** addressed the issue to CP, CERC

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2	Strengthening of the Standard Operating Procedure for Transmission Line Shutdowns for Infrastructure Diversion Works	CP SRPC vide letter dated 21.09.2026 ***(Annexure-49b)*** addressed the issue to Secretary, MoP
3	Raigarh -Pugalur HVDC System- Expeditious consideration of pending proposals for enhancement of reverse power flow capability	CP SRPC vide letter dated 03.09.2026 ***(Annexure-49c)*** addressed the issue to CP, NCT
4	Review of the regulatory framework governing connectivity of Renewable Energy generating stations/loads connected below 33 kv and issuance of appropriate technical standards/guidelines	CP SRPC vide letter dated 15.09.2026 ***(Annexure-49d)*** addressed the issue to CP, CEA & separate letter dated 05.09.2026 ***(Annexure-49e)*** to Secreatary, MoP

Forum noted the above

50. Date &Venue/Mode of the 244th Meeting of OCC/Outage coordination.

Meeting	Date	Time	Mode
244th OCC Outage Coordination Meeting for Transmission Elements	09.11.2026	10:00Hrs	Online
244th OCC Meeting	11.11.2026	10:00Hrs	Online