

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलूर- 560 009	 सत्यमेव जयते	Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru-560 009
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सं/No.	SRPC/SE(O)/ 242 nd OCC/2026-27/ 4051-4101	दिनांक/ Date
		01 st September 2026

सेवा में / To

संलग्न सूची के अनुसार/As per the list enclosed

विषय: द क्षे वि स की प्रचालन समन्वय उप समिति की 242 वी बैठक की कार्यसूची के संबंध में ।
 Subject: Agenda for the 242nd Meeting of Operation Coordination Sub-Committee-reg.

महोदय/महोदया/ Sir/ Madam,

संलग्न, 11 सितम्बर 2026 (शुक्रवार) को 10:00 बजे से हम्पी, विजयनगर, कर्नाटक में होने वाली एस आर पी सी की संचालन समन्वय उप समिति 242 वी बैठक की कार्यसूची । कार्यसूची एस आर पी सी की वेबसाइट (www.srpc.gov.in) पर भी उपलब्ध है।

समीक्षा तैयार करने हेतु आपकी प्रणाली से संबंधित आंकड़े को कृपया दिनांक 05 सितम्बर 2026 तक भेजने की कृपा करें।

Enclosed, please find the Agenda for the 242nd Meeting of the Operation Coordination Sub-Committee of SRPC to be held on 11th September 2026 (Friday) from 10:00 Hrs at Hampi, Vijayanagar, Karnataka. The Agenda is also available at SRPC website (www.srpc.gov.in).

Kindly arrange to send the data in respect of the system latest by 05th September 2026 to enable SRPC Secretariat to prepare review sheet etc.

Kindly make it convenient to attend the meeting.

भवदीय /Yours faithfully,

Malini
 00 01/09/2026

(एन एस मालिनी / N S Malini)

अधीक्षक अभियंता (ओ, पी एंड सी) / Superintending Engineer / (O, P & C)

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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
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50. Executive Director, NLDC, Grid-India, New Delhi
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SOUTHERN REGIONAL POWER COMMITTEE (SRPC)

Agenda of the 242nd Meeting of Operation Coordination Sub-Committee (OCC) held on 11th September 2026

1. Introduction

- 1.1 The 242nd Meeting of the Operation Coordination Sub-Committee (OCC) of the Southern Regional Power Committee (SRPC) is scheduled to be held on 11th September 2026 at Hampi, Vijayanagar, Karnataka, which would be hosted by SR I, PGCIL.

2. Confirmation of the Minutes of 241st Meeting of OCC

- (i) The 241st Meeting of OCC was held on 11.08.2026 through Video Conference.
(ii) The Minutes of the Meeting were issued on 22.08.2026.

The Minutes of the 241st Meeting of OCC may please be confirmed.

3. Recurring Insulator Failures at 220 kV Pothencode Substation

- ✓ SRLDC, vide letter dated 11.08.2026 ([Annexure-3a](#)), has highlighted recurring incidents involving flashover/failure of insulators at 220 kV Pothencode Substation, resulting in operation of busbar protection and tripping of associated buses/connected elements. In one of the incidents, the entire 220 kV Pothencode Substation was affected, resulting in a load loss of about 300 MW.
- ✓ SRLDC has highlighted the following recent grid events involving 220 kV Pothencode Substation:

Date & Time	Category	Brief details
18.06.2026, 08:50 Hrs	GD-1	Failure of B-phase tension insulator near Isolator 89B of 220 kV Pothencode Bus-2. Though the fault was physically confined to Bus-2, due to the isolator status issue of 220 kV Edamon–Pothencode Line-2, the busbar protection operated for Zones A, B & C, resulting in tripping of all associated 220 kV elements and complete outage of 220 kV Pothencode Substation with about 300 MW load loss.
05.07.2026, 17:00 Hrs	GI-1	Y-G fault due to flashover of Y-phase tension insulator of 220 kV Bus-1 near the 220 kV Trivandrum–Pothencode-1 feeder, resulting in operation of busbar differential protection and tripping of all elements connected to Bus-1.
02.08.2026, 09:02 Hrs	GI-1	R-G fault due to flashover of R-phase disc insulator near Bus-1 side of 220 kV Bus Coupler-2, resulting in operation of Busbar-1 protection and tripping of all elements connected to Bus-1.

- ✓ The occurrence of three insulator-related grid events during June–August 2026 indicates the need for a comprehensive assessment of the condition and healthiness of insulators and associated equipment at 220 kV Pothencode Substation.
- ✓ In this regard, SRLDC has advised KSEB to identify the underlying causes of the repeated insulator failures and undertake suitable preventive and remedial measures, including replacement of defective, deteriorated or aged insulators, wherever required.
- ✓ SRLDC has further suggested carrying out periodic thermovision scanning and enhanced preventive maintenance, with increased frequency of inspection and maintenance activities, particularly for the

220 kV buses and associated equipment, so as to identify potential defects at an early stage and prevent recurrence of such incidents.

- ✓ Considering the repeated nature of the failures and their impact on reliable operation of the 220 kV Pothencode Substation, KSEBL may furnish the observations/findings on the above incidents, root cause(s) identified and corrective/remedial measures taken/proposed. KSEBL may also furnish the condition assessment of the insulators and associated equipment, details of insulators replaced/proposed for replacement and the preventive maintenance/thermovision scanning plan for the substation.
- ✓ Further, in respect of the event dated 18.06.2026, KSEBL may also update the corrective action taken in respect of the isolator status issue of the 220 kV Edamon–Pothencode Line-2, which resulted in operation of multiple busbar protection zones and complete outage of the 220 kV Pothencode Substation

➤ *May be discussed*

4. PGCIL Agenda: Proposal for replacement of 7 Nos 400KV reactors and 5 Nos of trnasformers based on asset ageing under Add-Cap

- a) The proposal for replacement of 7 nos. of 400 kV reactors and 5 nos. of transformers, as informed by POWERGRID, had been deliberated in the 237th and 240th OCC Meetings. The following were suggested/recommended during the OCC deliberations:

✧ The **OCC Forum acknowledged the need for replacement** of the above-mentioned equipment. However, POWERGRID (SR-I & SR-II) was advised to furnish the requisite details to CTUIL and GRID-INDIA for carrying out necessary studies to:

- (i) recommend the optimal capacity of the replacement reactors and examine the feasibility of higher-capacity reactors, such as 80 MVar/125 MVar;
 - (ii) examine the requirement for switchable and convertible reactors, including the feasibility of operating the line reactors as bus reactors, wherever required; and
 - (iii) determine the appropriate rating of the replacement ICTs.
- SRLDC/CTUIL was requested to recommend the optimal ratings/sizes based on the study.
 - POWERGRID was advised to submit a detailed proposal/agenda for the replacement of the equipment, including the technical justification, relevant study details and cost estimates, to the forthcoming OCC and CCM meetings for further examination.

Subsequently, the matter would be placed before the SRPC Forum for further deliberation and appropriate decision.

SRLDC and CTUIL agreed to furnish their observations after receipt and examination of the details submitted by POWERGRID.

✧ The same was further taken up in the 55th TCC and 58th SRPC Meetings and the following was concluded:

- ***SR-I, POWERGRID and SR-II, POWERGRID shall submit a detailed proposal duly supported by technical studies, including the requirement and sizing of the replacement equipment. The proposal shall be examined by SRLDC and CTUIL and carry out necessary system studies to:***

- *Recommend the optimal capacity of the replacement reactors and examine the feasibility of higher-capacity reactors, such as 80 MVAR/125 MVAR;*
- *Examine the requirement and feasibility of switchable and convertible line reactors, capable of being operated as bus reactors, wherever required; and*
- *Determine the appropriate rating of the replacement ICTs.*
- ✓ *The finalized equipment ratings, along with the corresponding cost estimates, shall thereafter be placed by POWERGRID as an agenda item in the forthcoming OCC and CCM meetings for further deliberation and subsequently submitted to the TCC/SRPC for consideration.*

✧ The proposal was subsequently taken up in the CCM meeting held on 24th August 2026

CTUIL and SRLDC may examine the studies/details furnished by POWERGRID and carry out necessary system studies to assess the requirement, optimal capacity/rating and configuration of the proposed replacement equipment, including the feasibility of higher-capacity, switchable/convertible reactors and appropriate ICT ratings.

- ❖ Based on the above studies, CTUIL/SRLDC may furnish their observations and recommendations, including the technically optimal ratings and configuration of the replacement equipment.
- ❖ POWERGRID (SR-I & SR-II) may furnish detailed technical studies and analysis establishing the requirement for replacement of the identified 7 Nos. of 400 kV reactors and 5 Nos. of transformers, including equipment condition, ageing details, failure history/maintenance records, technical justification and the system requirement necessitating replacement.

➤ *May be discussed*

5. Low frequency operation on 25.07.2026

- a. The issue regarding operation of AUFLS, df/dt relays during the low-frequency event of 25.07.2026, wherein the grid frequency touched 49.42 Hz at 19:20 Hrs, was deliberated in detail during the 241st OCC meeting.
- b. During the deliberations, it was observed that AUFLS/df/dt operation was reported from AP, Kerala, Telangana, Puducherry and Karnataka. Certain relays were reported to have operated at frequencies higher than the intended operating threshold, while in Karnataka, operation of df/dt Stage-I relays was observed even though the corresponding df/dt operating criterion appeared not to have been met.
- c. In 241st OCC, all the concerned entities were advised to test the relays which had operated during the event, verify their frequency set points and df/dt logic/measurement methodology, and ascertain the reasons for any premature/undesired operation. It was emphasized that the AUFLS relays should positively operate by 49.400 Hz, while premature operation at higher frequencies is not desirable.
- d. Further, all SLDCs were advised to furnish the details of AUFLS/df/dt operation to SRPC and SRLDC within 24 hours of occurrence of such events, in the format prescribed by NPC, to facilitate timely analysis and monitoring.
- e. All concerned SLDCs/entities shall test and check the logic for relays tripped before 49.41Hz, furnish the findings and update the status of compliance.

➤ *May be discussed.*

➤ *All SLDCs/SRLDC may update the details*

6. 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 FY 2025-26 data

A meeting was held under the chairmanship of JS (Distribution), MOP on 24.06.2026. The status of Captive Generation Data for FY 2025-26, including comparison of the data with respect to 2024-25, was reviewed.

With respect to the Southern Region, a year-on-year comparison of Captive Consumption for FY 2025-26 with FY 2024-25 was carried out. In 241st OCC, it was observed that the issue appears to have been resolved. In case of any further queries from MoP or CEA, the agenda would be taken up further, as required.

In view of the upcoming review meeting under the chairmanship of Secretary (Power), MoP, all SLDCs/CEIGs are requested to furnish the observations and the requisite information at the earliest to facilitate preparation for the meeting.

Status of CPP data submission for FY 2026-27 (As on 14.08.2026)

	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

Karnataka, Kerala and Tamil Nadu were requested to expedite and furnish the data pertaining to July 2026. It was reiterated that the due date was 10.08.2026

- **The data of July-26 needs to be furnished by Tamil Nadu, Kerala & Karnataka & data of July-2026 is requested to be submitted by 10.08.2026, for onward submission of CEA/MoP.**

Reconciliation of CPPs Installed Capacity records

- 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 cor-ordination 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

- TGS LDC 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 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*

7. Agenda of RPSO (South), Bengaluru

- All SLDCs/State Utilities, particularly APSLDC and TGS LDC, are requested to furnish consumer details (contract demand >500 kVA) and undertake necessary information dissemination activities to facilitate onboarding of captive consumers on the CEA Captive Power Portal and improve data coverage.
- 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.
- 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.
- 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.
- 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.
- 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 above 100 MW.
- ✓ Kerala SLDC to verify and pursue registration of BPCL Kochi Refinery on the Captive Power Portal.
- ✓ APSLDC and TGS LDC 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.

➤ *RPSO (South) may take up the agenda*

8. Operational Constraints in Charging 400 kV Kalpakka–Gazuwaka D/C Line Under Single Line Availability

- a) The issues pertaining to frequent disturbances and operational constraints in the Kalpakka–Simhadri/Gazuwaka corridor were examined by the PSAG during its meeting/site visit held on 30–31.07.2026, and the recommendations were subsequently deliberated in the 241st OCC.
- b) During the 241st OCC, APTRANSCO/APSLDC, PGCIL and NTPC Simhadri were advised to pursue the issues/recommendations identified by PSAG with their respective higher management and take necessary corrective actions. It was also decided that the loading limitation of the 400 kV Kalpakka–Gazuwaka D/C, particularly the constraints associated with clamps/jumpers, would continue to be monitored in OCC, while the other relevant protection/communication issues would be pursued in the PCSC forum. APTRANSCO/APSLDC was advised to take corrective measures to enhance the loading capability of the line up to its permissible thermal limit.
- c) Further, APSLDC/APTRANSCO, in coordination with PGCIL and NTPC Simhadri, was advised to formulate a suitable SOP covering the operational aspects and remedial measures for reliable operation of the corridor.

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.*
- *PGCIL & NTPC Simhadri - To update the action taken/progress made on the PSAG recommendations and formulation of the proposed operational SOP.*
- *The pending operational issues/corrective measures for reliable and optimum utilization of the Kalpakka–Simhadri/Gazuwaka corridor may be discussed.*

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

241 OCC: Actions to be taken

- (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 zones. 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 Stagewise 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
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

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

➤ *May be discussed*

10. Review of Transmission Line Trippings during Thunderstorm/Adverse Weather Conditions and need for enhanced Situational Awareness of Stressed Corridors (Follow-up)

- a) The issue pertaining to the increasing instances of transmission line outages, tower collapses and transmission corridor constraints during adverse weather conditions was deliberated in the 239th OCC Meeting. The forum had reviewed several critical outages that resulted in generation evacuation constraints, reduction in transmission corridor redundancy, voltage issues and reduction in Southern Region import/export capability. The concerned transmission licensees were advised to expedite restoration works, periodically update the status of restoration activities and undertake suitable preventive measures to improve the resilience of the transmission system against extreme weather events.
- b) The status of major transmission elements, wherein restoration activities were under progress during the 241st OCC meeting, is summarized below:

Sl. No.	Transmission Element	Transmission Licensee	Major Concern	Latest Status/Target
1	400 kV Kaiga–Guttur D/C	KPTCL	Evacuation of nuclear generation and overall system security and emphasized that all efforts should be made to complete the restoration works at the earliest possible date	241st OCC: KPTCL informed that due to the rainfall, the restoration activities were further delayed. Expected revival time is 25.08.2026. KPTCL to expedite completing the works at the earliest.

Sl. No.	Transmission Element	Transmission Licensee	Major Concern	Latest Status/Target
2	400 kV Gadag–Koppal D/C	Gadag Transmission Ltd.	Koppal and Gadag was being evacuated independently through their respective corridors to Kudgi, as the interconnection between Gadag and Koppal through the affected line was unavailable. Consequently, the system had lost an important network redundancy element.	240th OCC: Expedite restoration of the 400 kV Gadag–Koppal D/C line and make all efforts to complete the works before 31.08.2026, considering the RE evacuation constraints. • Deploy additional resources, wherever feasible, to expedite the restoration works. • Submit the correspondence, testing reports, RCA & other relevant documents pertaining to the tower collapse to SRPC.

➤ **KPTCL & GTL may update the status.**

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

- 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. Based on the operational analysis presented by SRLDC, it was observed that increasing RE power injection from the State transmission network into the ISTS has resulted in sustained overloading of critical ISTS corridors/ICTs, N-1 violations, voltage management issues, and reduction in the export capability (TTC/ATC) of the Southern Region.
- During the 240th OCC, TNSLDC highlighted that transparent SCADA data reporting from RE generators, particularly wind generators, is essential for accurate forecasting and demand management. SRLDC reiterated that large-scale RE injection from the State network into the ISTS, beyond the planning assumptions, continues to cause overloading of critical ISTS corridors/ICTs and voltage management issues. It was further highlighted that the 765 kV Raigarh–Pugalur HVDC is presently unable to operate in the reverse power flow direction and, under high RE injection scenarios, the Southern Region is likely to lose about 3000 MW of export capability. KAR SLDC informed that delays in transmission augmentation due to RoW constraints, inadequate reactive power support from RE generators, and pending implementation of network strengthening works are contributing to the overloading of critical ISTS corridors.
- Accordingly, TNSLDC was advised to furnish the location-wise details of the 3 GW RE capacity connected to the STU network during FY 2025-26, along with the associated evacuation arrangements, and to convene a coordination meeting involving TANTRANSCO, CTUIL, SRLDC and SRPC to identify suitable medium- and long-term mitigation measures. TANTRANSCO and KPTCL were advised to expedite transmission augmentation works and implementation of reactive power compensation measures, including capacitor banks and STATCOMs, to mitigate overloading of critical ISTS corridors and ICTs under high RE injection scenarios.
- KAR SLDC was advised to furnish the reconciled location-wise details of RE capacity integrated during FY 2025-26, expedite implementation of the FTC procedure for new RE connectivity, and continue follow-up to ensure compliance with reactive power requirements by RE generators.

- e) SRLDC was also advised to prepare a draft Standard Operating Procedure (SOP) for operation of ICTs during overloading conditions arising due to high RE injection from the State network and place the same before the Forum for consideration. Until finalization of the SOP, the concerned SLDCs shall continue to comply with the real-time operational directions issued by SRLDC to maintain secure and reliable grid operation.
- f) The agenda was deliberated in detail during the 58th SRPC–55th TCC meeting. The Minutes of Meeting (MoM) of the said meeting are awaited.

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

12. Noncompliance of IEGC-2023 Regulation 40 on Periodic Testing of Generators & HVDC

As per provisions of Regulation 40 of IEGC-2023 the following are mandated:

Regulation 40 (2) (a):

“The owner of the power system element shall be responsible for carrying out tests as specified in these regulations and for submitting reports to NLDC, RLDCs, CEA and CTU for all elements and to STUs and SLDCs for intra-State elements.”

Regulation 40 (2) (b):

“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.”

Regulation 40 (2) (c):

“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”

- ✓ In this regard, it is observed that periodic testing of generating units, as mandated under Regulation 40 of IEGC-2023, has not been carried out by a large number of generators. The matter has been continuously highlighted and sensitized through the standing agenda in OCC meetings since 207th meeting held in October-2023 and 49th TCC/ 52nd SRPC meeting held in August-2024.
- ✓ Further, vide letter dated 03.06.2025, the generators which had not furnished testing schedules for 2024-29 period, as well as, generators which had furnished testing schedules for FY 2024-25 but had not carried out the testing were informed regarding the non-compliance of Regulation 40 of IEGC-2023.
- ✓ Subsequently, vide letters dated 27.05.2026, generators which had not furnished the testing schedules for the 2024–29 period were again informed of the non-compliance and requested to furnish the same immediately. Further, generators which had furnished testing schedules for FY 2024–25, FY 2025–26 and FY 2026–27 but had not completed the tests within the indicated timelines were advised to complete the pending tests in a phased manner over the remaining period up to March 2029, so as to avoid accumulation of testing activities towards the end of the prescribed five-year cycle (2024–29).
- ✓ In view of the above, a special meeting with all conventional generators in the Southern Region was held on 18.06.2026 to review compliance with the periodic testing requirements under the IEGC, and the MoM was issued on 02.07.2026. Based on the deliberations, the periodic testing schedule for the Southern Region for the 2024–29 period was compiled and is enclosed as **Annexure-12a**.
- ✓ In 242nd OCC, it was emphasized that periodic testing should not be treated merely as a regulatory compliance requirement. It was highlighted that the testing and validation of governor response, PSS and other associated models are important for ensuring the actual performance and reliability of generating units

and, consequently, grid security. All GENCOs were requested to review the schedule and communicate any changes/updates to SRPC for necessary action.

➤ *May be discussed.*

13. SPS at 220kV Pothencode Substation (Follow up item)

- KSEBL vide letter dated 18.05.2026 informed that power is presently evacuated from the PGCIL Substation to 220kV Pothencode Substation through feeders 2TVPC#1, 2TVPC#2, 2TVPC#3 and 2TVPC#4. After implementation of the scheme approved by CEA, feeder 2TVPC#4 will no longer be available for power evacuation.
- In the absence of feeder 2TVPC#4, the major load of Pothencode Substation will have to be supplied through feeders 2TVPC#1, 2TVPC#2 and 2TVPC#3. These feeders are strung with single moose conductor having a current carrying capacity of 798 A each. In the event of tripping of any one of these feeders due to fault, the remaining two feeders may get overloaded, which may lead to conductor snapping of the live feeders.
- In order to avoid such a contingency, it is proposed to implement a Special Protection Scheme (SPS). Accordingly, the SPS proposed to provide overload setting logic for feeders 2TVPC#1, 2TVPC#2 and 2TVPC#3 at 220kV Pothencode Substation and proposed to be wired for load relief through 110kV feeders 1PCAT#1 & 2 and 1PCPP#1 & 2.
- In 240th OCC, Kerala SLDC informed that the SPS implementation work has been completed. However, the SPS tripping test has been scheduled for 15.07.2026. Upon successful completion of the testing, the results/status shall be communicated to SRPC and SRLDC.
- In the 241st OCC, SRLDC informed that the test results pertaining to implementation of the SPS were yet to be received from KSEBL and sought clarification on whether end-to-end testing of the SPS had been carried out. KSEBL informed that testing had been carried out at the line level and that the identified SPS load had been integrated with the existing SPS. KSEBL further informed that the SPS has been in service since 15.07.2026 and assured that the test results/report would be furnished to SRPC/SRLDC.

➤ *KSEBL may update the status of SPS implementation*

14. NTPC Agenda

NTPC vide email dtd 31.09.2026 had furnished the below schedule of the upcoming NTPC unit outages.

Station	Unit	Capacity	Reason	days	From	To (Planned)
NTPC Ramgundam	7	500	Boiler+LPT+Gener ator	35	18-11-2026	22-12-2026
NTPC Simhadri	2	500	Boiler+HPT(Rotor +Inner casing repl)+IPT+LPT+Ge n+DCS R&M+TG Valves	50	10-11-2026	29-12-2026
NTPC Telangana	1	800	Boiler + Gen-B with Rotor Thread out	35	01-11-2026	05-12-2026

➤ *May be discussed.*

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

- a) The issue regarding operationalization of 230 kV BHAVINI–Kancheepuram Line-I & II for PFBR commissioning support was deliberated in the 239th OCC Meeting, wherein the forum emphasized expeditious operationalization of the lines considering the national importance of the PFBR project. It was also decided that BHAVINI, TNSLDC, MAPS and SRLDC shall jointly study the proposed injection pattern and assess any system modifications required prior to commencement of power injection.
- b) During the meeting, BHAVINI informed that all commercial clearances and requisite clarifications had been furnished to TANTRANSCO, while TNSLDC informed that the proposal for operational approval had been submitted to the higher management and that approval for charging the feeders was expected shortly.
- c) TNSLDC/TANTRANSCO vide mail dtd 24.06.2026 informed to SR II, PGCIL that all the commercial issues were resolved and necessary consent may be forwarded to SRLDC for FTC approval as PGCIL is the bay owner. SR II, PGCIL had concurred for the same, vide mail dtd 27.06.2026

In 240th OCC,

- ✓ TNSLDC informed that the phase sequence verification at 230 kV Kancheepuram SS has been completed and the line is expected to be charged shortly.
- ✓ SR-II, PGCIL informed that the required clearance has already been accorded to TANTRANSCO SRLDC informed that the FTC clearance for 230 kV BHAVINI–Kancheepuram Line-I & II was issued on 08.07.2026 and that the operational code would be issued upon confirmation of readiness from TANTRANSCO and PGCIL (SR-II).
- ✓ SRLDC further informed that no transmission constraints were observed for the proposed injection pattern, though the 230 kV Kancheepuram–Thiruvalam S/C, 230 kV Kanchi Data CTR–Kancheepuram, and 230 kV Sriperumbudur–Kanchi Data CTR lines would require close monitoring.
- ✓ TNSLDC agreed to carry out a detailed study and furnish its observations

In 241st OCC

- ✓ It was observed that the feeders, after charging for few hours, were opened from the Kancheepuram end, as the power flow pattern in the Kancheepuram–Siruseri–BHAVINI corridor changed, resulting in operational concerns in the surrounding network.
- ✓ TN SLDC presented the load flow study covering the BHAVINI generation.
- ✓ SRLDC further observed that, as BHAVINI is presently not drawing significant power, the requirement for keeping all six lines in service needs to be assessed with reference to the actual power requirement during the start-up and commissioning stages

After detailed deliberations, it was concluded that

- ✓ BHAVINI shall obtain clarification from its higher management regarding the requirement for availability of all six evacuation lines during pre-commissioning and generation stages and furnish the same to the forum.
- ✓ TNSLDC, in coordination with SRLDC, Sub-LDC and BHAVINI, shall examine the feasibility of keeping the 230 kV BHAVINI–Kancheepuram Line-I & II in service under different system conditions and evolve suitable operational measures.
- ✓ BHAVINI shall expedite the bus coupler FTC and submit the proposed injection methodology, duly approved by its higher management, in the next OCC (242nd) meeting

- **TNSLDC, BHAVINI, and SRLDC may update the present status of operational approval, charging of the 230 kV BHAVINI–Kancheepuram Line-I & II feeders**
- **BHAVINI may furnish the study on the proposed injection pattern.**

16. Grid operational Issues – SRLDC Concerns

A) Follow up on Staggering of loads in Southern Region

- a) The issue regarding sharp evening demand reduction in the Southern Region around 17:45–18:00 hrs leading to over-frequency and over-voltage conditions was deliberated in the 238th & 239th OCC meeting. The forum noted that, pursuant to the deliberations in the 238th OCC Meeting, NLDC, vide letter dated 27.05.2026, had advised APSLDC and KAR SLDC to implement suitable measures for staggering agricultural load switching schedules to smoothen the demand profile and avoid abrupt demand variations affecting secure grid operation.
- b) During the 239-240th OCC Meeting, APSLDC and KAR SLDC informed that corrective measures had been initiated and some improvement in the demand profile had been observed. However, SRLDC observed that significant demand fluctuations continued to occur during the evening period and emphasized the need for further refinement of the staggering mechanism.

In 241st OCC,

- c) 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.
- d) 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**

17. 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.	

- **SR II, PGCIL may update**

18. Pending Items from Previous OCCs

S.	Items to be discussed	Status/Remarks
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No		
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. 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	SR I PGCIL/JSWEL
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) KPCL clarified that it is not feasible for YCCPP to operate in synchronous condenser mode, as the required augmentation/modification of the generating unit assembly is not technically feasible. KPCL was advised to furnish the OEM's technical verification and detailed study report in support of the above. d) 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: 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 240th 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	TAN-TRANSCO/TNSLDC/PGCIL/SRLDC

	PMUs at the identified RE pooling stations and update the status in the next OCC.	
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/TAN-TRANSCO
E	Sparing of one number of 315 MVA, 400/ 230 KV ICT at Kayathar 400KV For Discussion: - 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. - Further, it was informed that the tender is presently under evaluation stage. TANTRANSCO may update on procurement of new ICT - PGCIL informed that only the Memorandum of Understanding (MoU) remains to be executed from their end.	TNSLDC/PGCIL
4	Power Shortage scenario of Puducherry PED to update the following: - 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. - Additional connectivity to Yanam has been sought from Gollapalem Substation & the revised estimation is awaited from CGM(Commercial), APTRANSCO. In 240th OCC, PED informed that the revised estimate is expected shortly. - 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: - 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	SR II PGCIL/ PED

	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. SR II PGCIL informed that the proposal has been forwarded to the Corporate Centre Engineering (CCE) for approval.	
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 srlldcoutage@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. - In 240th OCC, SR I, PGCIL informed that PGCIL (WR) is scheduled to avail a Line Clearance (LC) from 22.07.2026 to 24.07.2026 to carry out the required works on all eight breakers associated with the Bhadrawati Back-to-Back HVDC link. - In 241st OCC, it was informed that WR PGCIL shall prepare the detailed harmonic measurement report and present an abstract of the same in the next OCC meeting.	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 241st OCC, TNSLDC informed that, based on the laboratory test results, replacement of all 765 kV insulators along the Ariyalur–NCPS corridor had been proposed and the proposal was submitted to the higher	TN SLDC/TAN-TRANSCO may respond

	management for approval. Further, regarding the 400 kV Manali–Puliyanthope LILO at NCPS, TNSLDC informed that the works were under the tendering process.	
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19. Outage Planning of Transmission Lines and Elements

19.1 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-19a)** 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.**

19.2 Shutdown of the 400 kV Bhadrawati–Ramagundam-1 circuit

- ✓ The requirement of shutdown of the 400 kV Bhadrawati–Ramagundam-1 circuit, in connection with harmonic measurements as part of the refurbishment of the 400 kV Bhadrawati HVDC Bipole, was deliberated during the 241st OCC.
- ✓ During the deliberations, WR PGCIL informed that background harmonic measurements under no-load condition were proposed to be carried out with both poles of the HVDC bipole in block condition while keeping the transmission line charged. SRLDC raised concerns regarding the adequacy of the proposed measurement duration and whether measurements for a limited period would adequately capture the variation in harmonic profile under different system operating conditions.
- ✓ Accordingly, WR PGCIL was advised to obtain detailed technical clarification from the OEM regarding the measurement methodology, duration, operating conditions to be considered and adequacy of the proposed measurements for assessment/design of harmonic filters, and present the same in the next OCC meeting.
 - **PGCIL/SRLDC may respond**

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

Telangana 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, TGS LDC 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 OCC, TGS LDC 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. TGS LDC 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 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***

19.4 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.
- 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.
 - ***The status of receipt/compilation of maintenance SoPs/practices from the concerned utilities***
 - ***TNSLDC/TANTRANSCO may update the progress made towards constitution of the committee and formulation of the comprehensive maintenance SoP & the timeline for finalisa.***

19.5 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.
- 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. APSLDC had also informed that the annual calendar covering maintenance and infrastructure diversion works was under preparation and would be submitted to SRPC.
 - **All STUs/SLDCs/Transmission Licensees may furnish/update the consolidated outage calendar for FY 2026–27, 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**

19.6 Diversion of 400 kV Thiruvallam - Nellore D/C, 400KV Kolar-Thiruvallam S/C, 400KV Kolar-Sriperumbudur 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 Thiruvallam–Nellore D/C

400 kV Kolar–Thiruvallam 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–Thiruvallam 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) Subsequently, during the Outage Coordination Meeting held on 09.06.2026, the shutdown was proposed to be availed from 20.06.2026 for about 25 days. However, the same could not be availed due to

non-availability of the requisite shutdown/permission for the associated 110 kV Thiruvallam–Melvenkatapuram line from TANTRANSCO.

- d) The matter was again reviewed in the 240th OCC, wherein TNSLDC informed that the concerned DISCOM was willing to facilitate the 110 kV shutdown on 18.07.2026. SRLDC informed that the associated 400 kV shutdown could also be considered from 18.07.2026, subject to deferment of other overlapping outages and prevailing system conditions.
- e) During the deliberations, it was observed that the shutdowns of 400 kV Vijayawada–Nellore D/C and 400 kV Nellore–Thiruvallam D/C could not be facilitated concurrently. Accordingly, SR-I and SR-II, PGCIL were advised to jointly coordinate and finalize the shutdown programme without overlap. Subsequently, as NHAI could not avail the Nellore–Thiruvallam shutdown, the shutdown of the 400 kV Vijayawada–Nellore circuits was taken up from 22.07.2026.
- f) During the 241st OCC, SR-II, PGCIL informed that NHAI had been pursuing the requisite 110 kV shutdown for the preceding two months and discussions were underway between the higher management of TANTRANSCO and NHAI regarding the modalities for facilitating the same. It was informed that the 110 kV shutdown was proposed to be facilitated through deployment of ERS, for which the manpower and associated arrangements were being worked out with the support of NHAI.
- g) 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–Thiruvallam D/C and associated circuits may be facilitated after revival of the Vijayawada–Nellore circuits, subject to prevailing system conditions.
- h) 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.

➤ **TN SLDC/TANTRANSCO may respond.**

➤ **SR II PGCIL may update status of coordination with NHAI.**

19.7 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 241st OCC, it was informed that based on the real time conditions, S/D will be facilitated.

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

19.8 Shutdown of 400kV Vijayawada - Nellore Ckt-3 & 4 for diversion works of transmission line by NHAI.

- NHAI vide letter dtd: 30.06.26 has requested the shutdown of 400kV Vijayawada - Nellore Ckt-3C4 Line for Development of Six-Lane Access Controlled Greenfield Highway from Polavaram (Km 260+000) to Marripudi (Km.285+500) Bengaluru Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh- (Package 12).
- 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 VIJAYAWADA-NELLORE_AP-3	471 - 472	Erection: 2 nos. towers; Dismantling: 1 no. tower; Stringing and destringing works.	10.08.2026 To 23.08.2026
02	400KV NELLORE_AP-VTPS_IV-1			

- In 240th OCC, the S/D was approved from 12th August for 14 days, without overlapping of other Nellore S/Ds.
- It was noted that the S/D was availed on 14.08.2026 & revived back on 25.08.2026

(Vijayawada Nellore_AP-3 availed @08:14Hrs, 14.08.2026 & revived on 25.08.2026 @20:23Hrs, Nellore_AP-VTPS_IV-1 availed @08:20Hrs, 14.08.2026 & revived on 25.08.2026@20:49Hrs)

➤ **SR I PGCIL/SRLDC may confirm**

20. Review of Maintenance schedule of Units (CGS/IPP's 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 September 2026 to November 2026 is at (**Annexure-20a**)

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

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

A. Compliance of ERS in Southern Region

- 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.
- 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

Updated Status as per 240th OCC

Entity	ERS Required	ERS Available	Shortfall / Remarks
Andhra Pradesh	5	2	Shortfall of 3. 240th OCC: Administrative approval accorded. Tender specifications being prepared for 1 set of ERS.
Telangana	5	1	Shortfall of 4. 240th 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.
Karnataka	4	1	Shortfall of 3. 240th 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 additional ERS set.
Kerala	2	0	Shortfall of 2. 240th OCC: KSEBL informed that Board has given approval for new Make in India conditions. Re-tendering process is going on.
Tamil Nadu	6	2	Shortfall of 4. 240th 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 shortly.
Puducherry	Mutual sharing agreement	0	240th OCC: PED informed that PGCIL had given consent to share for natural calamities only
PGCIL – SR-II	4	2	Shortfall of 2 239th OCC: POWERGRID stated that order is placed for 5 Nos. for SR. SR-1 – 2 Nos SR-2 – 3 Nos. Order placed on 06.10.2025. Delivery is expected by April 2027
PGCIL – SR-I	5	3	Shortfall of 2
Kudgi TL	1	0	Atleast 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	Atleast 1 ERS set is required for Indigrid in SR which is compatible upto 765 kV. 240th 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 52 nd TCC/55 th SRPC meeting.
WKTL, Karur TL (Adani Energy Solutions Limited)	1	0	Atleast 1 ERS set is required for AESL in SR which is compatible upto 765 kV. 240th 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 would be moved to SR in few days from Koradi SS which is in proximity.
Gadag TL (Gadag IIA) (Renew)	Mutual sharing agreement	0	240th OCC: 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.

22. 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 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

State/Entity	SLDC / Control Center	TRANSCO	GENCO	DISCOMS
Andhra Pradesh	Both CMP & DMP for AP-TRANSCO (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. NTPS(VTPS) station document updated as per CMP/DMP 2025 document. RTPP, 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). GENCO: Received documents from all Generating Stations	Documents are prepared. After internal deliberations, would put up to competent authority for approval

			including Hydro and in the process of compiling stage as per latest CEA 2025 document and soon would be submitted to management for approval.	
Telangana	Vide mail dated 22.04.2026, TGS LDC communicated that SLDC draft CMP/DMP has been prepared in line with CEA CMP/DMP-2025 and furnished for suggestions	TGTRANSCO is yet to prepare CMP/DMP documents	TGGenco vide letter dated 17.02.2026 communicated that they have updated their documents as per CMP 2024 and DMP 2024 documents. They have to update wrt 2025 guidelines	TGDISCOMs are yet to prepare CMP/DMP documents
Puducherry	CMP/DMP documents were prepared wrt earlier guidelines. Updation wrt 2024/2025 guidelines needs to be taken up	PED is yet to prepare CMP/DMP documents		PED is yet to prepare CMP/DMP documents
PGCIL (SR-I/SR-II)	240th OCC: CMP/DMP documents aligned with MoP guidelines.			
NTPC	240th OCC: CMP/DMP documents aligned with MoP guidelines.			
NPCIL	57th SRPC: CMP/DMP already in place.			
NLCIL	240th OCC: CMP/DMP documents aligned with MoP 2024 guidelines. The updation of documents wrt 2025 guidelines is expected to be completed in a week.			
NTPL	57th SRPC: Under Preparation, would complete at the earliest.			

➤ **Entities may update the status**

23. 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-23a](#).

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

SLD C	Norm	Sanctioned	Present	Status/ <u>Latest Updates</u>
AP	144	96	68 (Technical executives = 61, Non-executive (Accounts) =7) Rest will be recruited at the Assistant Engineer	APERC approval received. 57th SRPC: APTRANSCO stated that they would recruit 300 personnel for various posts by April-2026 end and some personnel would be assigned to APSLDC. 240th OCC: 3 nos. of additional engineers have joined on deputation basis.
KAR	144	99	91 As per the latest guidelines, the 60 Nos staff from field (communication), will be excluded.	240th OCC: KPTCL informed that the proposal was pending with the Government of Karnataka for approval of 144 posts and informed that restructuring was parallelly progressing.
KER	103		Technical executives = 48, Non executives = 19 (Total = 67)	- 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). 240th OCC: KSEBL stated that 6 posts were approved as part of next transfer and posting and also stated that restructuring was progressing in good pace and expected to be completed by September 2026 end.
TN	144	57	57	240th OCC: TANTRANSCO had informed that in principle approval for 49 posts were taken and 18 posts were under administrative approval.

TG	144	87	98 (Technical Executives = 71, Non-Technical Executive =27)	33 additional have been approved. Recruitment ongoing. Technical Executives = 71, 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. 240th OCC: 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 Dec 2026. Balance 24 would be for the HR and finance wings, with a plan to be shifted from the existing posts in TGTRANSCO.
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). 240th 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 MoP/MHA for clearance. Presently 12 nos. of posts are filled up

- a) 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.
- b) CERC in its Order dated 05.10.2025 in 9/SM/2024 has suggested

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.

➤ **States/UT/Entities may update**

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

- 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.
- This was deliberated in the 54rd TCC and 57th SRPC and further followed up in OCC Meetings.
- The latest update is as follows:

Visit of SLDC officials to SRLDC (02.06.2025 - 21.10.2025)						
State	System Operation (Shift)	System Studies	Market Operation	Market Operation & REMC	System Logistics	Total
TN	21	8	14	9	-	52
TG	-	3	4	1	1	9
AP	1	-	1	-	2	4
KA	2	-	-	-	-	2
KER	2	-	-	-	-	2
Total	26	11	19	10	3	69
Status of deputation from SRLDC to states is as follows:						
Utility	Market Operation	System Operation	Cyber Security	SCADA	System Logistics	
KPTCL	1	1	1			
KSEBL		3	3	3		

PED	2	2	2		2	
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➤ **SRLDC/SLDCs may update**

- 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.

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.

24. 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.
- ❖ 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

25. 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
KPCL-Yeramarus TPS had received an exemption up to Benson Point.					5% more than
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 2023 and 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
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-25a**) 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-25b). GENCOs noted for compliance.**

26. 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-26a. All utilities were requested to review and update the status of the respective constraints and furnish their inputs at the earliest.

27. 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

- ✓ SRLDC, through its letter dated 22.05.2026 had reviewed the compliance report submitted by TANTRANSCO regarding the directions issued by the Hon'ble CERC in Petition No. 132/MP/2022, which pertained to persistent overdrawal by Southern Region constituents during low-frequency conditions.
- ✓ Based on operational data for Q4 of FY 2025-26 (January–March 2026), SRLDC observed that despite various corrective measures reported by TANTRANSCO, significant overdrawal and schedule deviations continued. During the quarter, 1066 time blocks (12% of total time blocks) recorded overdrawal exceeding 250 MW, with the maximum overdrawal reaching 1252.52 MW and the maximum overdrawal under low-frequency conditions reaching 1224.22 MW.

- ✓ SRLDC had emphasized that the continued occurrence of such deviations indicates the need for stronger grid discipline and improved operational practices in accordance with the Indian Electricity Grid Code (IEGC). TANTRANSCO was advised to strengthen real-time operational response, improve demand and renewable energy forecasting, ensure adequate reserve management, and minimize persistent overdrawal and large deviations.
- ✓ Accordingly, TANTRANSCO was requested to take necessary corrective actions and ensure strict compliance with the directions of the Hon'ble CERC to facilitate secure and reliable grid operation.
- ✓ SRLDC noted that AP, TN and Karnataka had furnished the report for Q4 of FY 2025-26. AP and TN had furnished the report for Q1 of FY 2026-27. Karnataka was requested to furnish the report for Q1 of FY 2026-27
- ✓ The reports are received from all three states AP, TN and Karnataka for Q1 of FY 2026-27
 - *TN SLDC may respond*
 - *States to operate the Grid as per the essence of the Petition/Order.*

28. 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-28a](#)*

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.

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

- (i) **SRLDC has declared 06:00 Hrs to 08:00 Hrs, 19:00 Hrs to 20:00 Hrs and 21:00 Hrs to 22:00 Hrs as Peak hours for September 2026.**
- (ii) **SLDCs to furnish the detailed Availability & Requirement for the next 13 months period from September to September (13 months LGBR rolling plan for energy and demand (peak hours as well as solar hours) by 6th September 2026. SLDCs may furnish the data for analysis.**
 - *SLDCs to furnish the detailed Availability & Requirement for the next 13-month period from September 2026 to September 2027.*
 - *The plan for meeting the LGB (Month wise) may be submitted in writing.*

30. ACTIONABLE POINTS FOR COMPLIANCE AS PER IEGC 2023

30.1 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
- 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-30a**. 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**

30.2 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 conditions using online/offline SCADA/EMS system
Day-ahead	NLDC, RLDC, and SLDC	For various operating conditions using offline tools
Weekly	NLDC, RLDC, and SLDC	For various operating conditions using offline tools
Monthly/Yearly	RPC	For various operating conditions using 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.
- (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 **August 2026**
- **SRLDC /SLDCs may update on the status of RA study.**
- **Review of past month operational studies**
- **This month operational studies**

31. Grid Operation during August 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.

32. SRLDC Agenda Items

SRLDC vide mail dated 31.08.2026, had furnished the agenda **(Annexure-32a)**

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/241 st 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 expected to be dispatched from Sweden by August 2026 end. Restoration of the B/R is planned by September 26.
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 was reduced, and the revised quotation has been forwarded to management for approval.

Table 1

2. Prolonged AC transmission elements outage:

Sl. No	400 kV Element	Reason	Outage Date and Time
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1	400KV/230KV PULI-YANTHOPE-ICT-2	Y Phase differential protection operated	02-Apr-2026 20:29
2	400KV-ENNORE SEZ-NCTPS_STAGE_II-1	flange insulator failure between the 401 CTB to disconnect module 401-89B and 401 – 89BE	11-May-2026 14:07

Table 2

3. Operational issues faced in SR Grid:

a. ICT loading issues:

ICT N-1 loading violation observed at Bidadi, Gazuwaka, Hoody, Kalikiri, Mysore, Kalvendapattu, Narendra, Nelamangala, NNTPP, Sholinganallur, Sattenapally, Somanahalli, Vijayawada, Vemagiri and Yelahanka substations during August 2026. Respective entity may please take action.

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, Munirabad, Mylasandra, Somanahalli, Hosur, Manali, 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.

c. Deviation in drawal by States:

Persistent deviations from the schedule by Tamil Nadu have been observed on 08th, 09th, 10th, 11th, 17th, 20th, 22nd, 23rd and 24th, 26th, 27th, 28th August 2026. This issue has been consistently taken up through various communications and real-time messages.

However, despite these efforts, instances of significant deviations have continued. At times, these deviations have pushed the grid into critical operating conditions, particularly during non-solar hours, thereby adversely affecting frequency stability and overall grid security.

Persistent deviations from the schedule by Karnataka have been observed on 22nd and 23rd August 2026.

Considering the above, it is reiterated that proactive planning of the Load-Generation Balance (LGBR) and optimal management of the State’s power portfolio must be ensured.

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.

Communications issued in this regard on 14th, 24th and 28th August 2026.

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

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

S.No.	Substation	ICT Capacity	Latest Update (241 st OCC)
1	Kurnool-3 new S/S	9 x 500 MVA, 400/220 kV, ICT (1 to 9)	54 JCC: ICT 1-4,6-7: commissioned in March 2025 ICT 5: Charged in October 2025 ICT 8-9: Oct 2027
2	Kurnool New S/s	1 x 1500 MVA, 765/400 kV ICT (3)	54 JCC: charged on 28.03.2026
3	Koppal PS	1x500MVA, 400/220kV ICT (6th)	54 JCC: charged on 03.12.2025
4	Gadag PS	1x500MVA, 400/220kV ICT (6th)	54 JCC: charged on 11.03.2026
5	Tuticorin-II GIS PS	500 MVA, 400/230kV ICT (6th)	54 JCC: By August 2026
6	NP Kunta PS	1x500 MVA, 400/220kV ICT (5th)	54 JCC: By August 2026
7	Tumkur (Pavagada) 400/220kV PS	2x500MVA, 400/220kV ICTs (7th & 8th)	54 JCC: ICT 7: By July 2026 ICT 8: By October 2026
8	Karur PS	2x500 MVA, 400/230 kV ICT (3rd & 4th)	54 JCC: ICT 3: By Oct 2026 ICT 4: By Jan 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)	54 JCC: By end of March 2030
10	Tumkur (Pavagada) PS	2x500 MVA, 400/220 kV ICTs (9th & 10th)	54 JCC: By December 2026
11	Yelahanka (GIS) S/S	1x500MVA, 400/220kV ICT (3rd)	54 JCC: By June 2027
12	Bidadi (GIS) S/S	1x500 MVA, 400/220kV ICT (3rd)	54 JCC: By June 2027

13	Tuticorin-II GIS S/S	1x500 MVA, 400/230kV ICT (7th)	54 JCC: By February 2028
14	Nagarjunasagar S/S	1x500 MVA, 400/230kV ICT (4th)	54 JCC: By May 2027
15	Kozhikode S/S	1x500 MVA, 400/220kV ICT (4th)	54 JCC: By Feb 2027
16	Trivandrum S/S	1x500 MVA, 400/220kV ICT (4th)	54 JCC: By June 2027
17	Udumalpet S/S	1x500 MVA, 400/220kV ICT (2nd or new)	54 JCC: By June 2027
18	Thrissur VSC HVDC S/S	1x500 MVA, 400/220kV ICT (3rd)	54 JCC: By December 2027
19	Narendra S/S	1x500 MVA, 400/220kV ICT (3rd)	54 JCC: By Sept 2027
20	Kalivanthapattu S/S	1x500 MVA, 400/220kV ICT (4th)	54 JCC: By June 2027

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

S.No.	Substation	TBCB	ICT Capacity	Latest update (241 st OCC)
1	Kasargode GIS S/S	Udupi Kasargode TL (Sterlite)	2x500MVA, 400/220 kV ICTs	54 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	54 JCC: By October 2026
3	New pooling station at suitable border location between Ananthpuram & Kurnool distt	Ananthpuram Kurnool TL (PGCIL)	7x500MVA, 400/220 kV ICTs	54 JCC: Deemed CoD declared wef 21.06.2026
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)	54 JCC: progressively Jul 2026 – Sept 2026
	Gadag-II (Phase -A) Pooling Station		2x500 MVA, 400/220 kV ICTs (1-2)	54 JCC: by July 2026
5	Bidar SS	Bidar TL (PGCIL)	3x1500 MVA, 765/400 kV ICTs (1-3) 5x500 MVA, 400/220 kV ICTs (1-5)	54 JCC: Aug 2026
6	Tumkur-II PS	Tumkur-II REZ Power TL (GR Infra)	4x500 MVA, 400/220 kV ICTs	54 JCC: By Nov 2026

7	Bijapur PS	Bijapur REZ TL (GR infra)	5x500 MVA, 400/220 kV ICTs	54 JCC: By Mar 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)	54 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)	54 JCC: 765/400 kV ICTs by June 2027 400/220 kV ICTs by June 2027
10	Davanagere /Chitradurga	Chitradurga Bellary REZ TL (PGCIL)	4x1500 MVA, 765/400 kV ICTs (1-4) 4x500 MVA, 400/220 kV ICTs (1-4)	54 JCC: By Sept 2027
	Bellary PS		4x500 MVA, 400/220 kV ICTs (1-4)	54 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)	54 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)	54 JCC: March 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)	54 JCC: March 2027
14	Anathapuram-II PS	Anantapur II Power TL (Shivalaya construction Ltd.)	1x500 MVA, 400/220 kV ICT 2x1500 MVA, 765/400 kV ICTs 6x500 MVA, 400/220 kV ICTs	54 JCC: April 2028
	CN'Halli SS		3x1500 MVA, 765/400 kV ICTs	54 JCC: April 2028
15	Davanagere PS	Davanagere Power TL (PGCIL)	4x500 MVA, 400/220 kV ICTs (5-8)	54 JCC: September 2027
	Davanagere /Chitradurga PS		1x1500 MVA, 765/400 kV ICT	54 JCC: September 2027
16	Davanagere PS	Bellary Davanagere TL (PGCIL)	2x1500 MVA, 765/400 kV ICTs (6-7)	54 JCC: February 2028

	Bellary PS		6x500 MVA, 400/220 kV ICTs	54 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)	54 JCC: May 2029
18	Kurnool-IV PS	Kurnool IV REZ Power TL (Resonia)	4x500 MVA, 400/220 kV ICTs 2x1500 MVA, 765/400 kV ICTs 6x500 MVA, 400/220 kV ICTs	54 JCC: May 2029
	Doma SS		4x1500 MVA, 765/400 kV ICTs	

35. Assessment of online Dynamic Line Rating-Pilot Scheme

- The DLR pilot project on the **400 kV Tuticorin PS–Madurai D/C line**, approved by SRPC (TP) The Dynamic Line Rating (DLR) pilot project, approved by SRPC with PGCIL as the Nodal Agency, was commissioned on the 400 kV Tuticorin PS–Madurai D/C line under PGCIL's R&D fund. However, due to inadequate line loading, the intended sag measurement could not be completed, necessitating identification of an alternate line. Subsequently, SRPC, TCC, and OCC forums directed PGCIL, in consultation with SRLDC, to identify a suitable high-loading transmission corridor, assess the feasibility of shifting the DLR system, and submit the associated implementation timeline and cost implications. After technical evaluation, the 400 kV Pavagada–Gooty line was identified as the most suitable location for the pilot, considering its sustained high loading and potential to demonstrate renewable energy evacuation benefits. PGCIL has initiated action with the OEM/agency to assess feasibility and submit the commercial offer and implementation schedule, which are presently awaited.
- In the **239th OCC meeting**, PGCIL SR-II informed that the concerned agency had been requested to submit its feasibility report and commercial offer. The details are awaited.
- Subsequent to the deliberations in the 239th OCC meeting, PGCIL initiated action for shifting and implementation of the Dynamic Line Rating (DLR) pilot project on the 400 kV Pavagada–Gooty Line-I. PGCIL informed that the Siemens make DLR sensors would be installed as a pilot project without any financial implication, and that the 400 kV Pavagada–Gooty D/C line (Twin Moose conductor) had been identified as the most suitable transmission corridor based on CEA deliberations and system studies, considering its sustained high loading during peak solar generation and its potential to demonstrate enhanced transmission capacity and renewable energy evacuation benefits through DLR implementation. Accordingly, shutdown of the line was sought for installation of the sensors. During the coordination process, SRLDC requested PGCIL to furnish details regarding the number and proposed locations of the DLR sensors (KMZ file), along with arrangements for providing dashboard access to enable real-time monitoring of DLR measurements and line ratings during system operation. Subsequently, SRPC advised that the shutdown may be facilitated subject to prevailing grid conditions, while directing PGCIL to adhere strictly to the approved outage schedule for execution of the installation works.
- Subsequently, SR II PGCIL vide email dtd 30.06.2026 informed that 14 Nos of DLR sensors were successfully commissioned, by availing S/D from 25.06.2026 to 27.06.2026. Further, PGCIL requested SRPC/SRLDC to furnish the email IDs of the concerned officials for inclusion in the DLR platform user

list, to facilitate provisioning of dashboard access and enable real-time monitoring of DLR measurements and line ratings during the pilot operation.

- e) PGCIL conducted a training session on the DLR Sensors Dashboard through Siemens Energy on 13.07.2026 for the sensors installed on the 400 kV Gooty–Pavagada transmission line
- f) This was discussed in 58 SRPC meeting and the MoM is awaited.

➤ **SR-I may update the status.**

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

Sl No	Name of project	Capacity in MW	Status (240 th OCC)
1	TANGEDCO-North Chennai Stage III	1 x 800	235th OCC: COD declared on 24.01.2026. SRPC requested TNPGL/SLDC to formally communicate the commissioning details as well as trial run particulars.
2	TANGEDCO-Udangudi Stage I	2 x 660	57th SRPC: Trial operations commenced on 04.02.2026, and coal synchronization has been successfully achieved. The unit is currently being operated at a load of around 400–500 MW, considering the prevailing summer demand requirements. 240th OCC: Unit 1: COD is expected by August 2026. Unit 2: COD is expected by December 2026
3	TANGEDCO-Ennore SEZ STPP (North Chennai Stg IV)	2 x 660	240th 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.
5	Uppur TPS	2x800	54th TCC Regarding continuation of Uppur TPS: Policy decision has to be taken 240th OCC GOTN accorded approval for establishing 1 × 800 MW coal-based thermal power project in Thoothukudi District, making use of the existing Udangudi Stage I land, coal jetty, common facilities, and relocating materials originally procured for the 2 × 800 MW Uppur Project under TBCB mode vide GO(Ms) No. 45, dt. 14.03.2026. To make optimal use of the high-cost materials already procured for the 2 × 800 MW Uppur Project for the implementation of the newly proposed thermal power plant in Tuticorin District is currently under study

6	TSGENCO-Damaracherla (Yadadri)	5 x 800	239th 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 August 2026
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➤ *Status was updated in 58th SRPC meeting. MOM is awaited*

37. Implementation of Bus and Line Reactors by the Utilities

1. APTRANSCO:

Sl. No	Substation (400kV)	Type/Capacity	Approved in	Status (241 st 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 (241 st OCC)
1	VTPS Stage IV	Bus Reactor/ 1x125 MVar	39 th SC	Material reached site. Civil works in progress. Expected by end of August, 2026
2	Polavaram HEP	Bus Reactor/ 2x125 MVar	42 nd 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 (241 st OCC)
1	Yeramarus	Bus Reactor/ 1x125 MVar	1 st SRSCT	57th SRPC KPCL had informed that the project cost is ~₹53 Cr (including bay & civil works) and indicated requirement of PSDF funding. KAR SLDC had emphasized the criticality of the reactor

				for voltage control and urged early implementation. SRPC had noted prolonged delay (~8 years) and advised pursuing approval through KERC for tariff-based recovery instead of PSDF. KPCL had stated that the proposal would be placed before higher management for necessary approvals.
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4. TANTRANSCO:

Sl. No.	Substation	MVAR	Type	Approved in	Status (241 st OCC)
1	Coimbatore (765kV)	2 x 330	Line	42 nd 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	42 nd 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	42 nd SC	
4	Parali	125	Bus	42 nd SC	Awarded on 21.01.2021. Work will be taken up along with establishment of Substation.
5	Arni	2 x 125	Bus	42 nd SC	Administrative Approval for SS and Reactor to be obtained.
6	Edayarpalayam	2 x 125	Bus	38 th SC	Contract terminated. Retendered under TBCB. The reactor will be commissioned along with SS.
7	Ottiyambakkam	2x125	Bus	2 nd SRSCT	DPR to be evolved and Fund to be tied up.

5. TGTRANSCO:

Sl. No	Substation (400kV)	Bus Reactor MVAR	Approved in	Status (241 st 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. The 125MVAR Reactors are supplied to respective 400kV substations. Erection works at Yedula & Vattam completed and erection works at Narlapur are under progress. Expected date of commissioning: Vattam : 31.08.2026 Yedula : 31.08.2026
3	Yedula	1x125	1st SRPC (TP)	
4	Vettam	1x125	1st SRPC (TP)	

				Narlapur : 31.10.2026
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38. 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).**

39. 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 June 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 note & present the same.***

40. 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 241st OCC, it was concluded as below:

- SRPC and SRLDC observed that the issue of low performance of ADMS has been persisting for the last two to four months, with increased number of instances and several instances of non-operation or inadequate load relief. It was noted that the concerned SLDCs had indicated that they would examine the respective events and revert.
- It was concluded that the ADMS events would be taken up for detailed review in the next OCC meeting. SLDCs were requested to furnish a detailed analysis of the events, particularly in cases of non-operation or low quantum of load relief, including the reasons for the observed performance. It was stated that the events would be scrutinized in detail, including the shortcomings in operation and the possible remedial measures. The SLDCs were also requested to identify and propose appropriate corrective measures, wherever required, for further deliberation in the forum.
- SLDCs are requested to maintain healthiness of ADMS systems.
 - *TNSLDC to take immediate corrective action so that ADMS function properly & SLDCs may update on the action taken.*
 - *All the States to develop ADMS SCADA screen in the Control Room & maintain healthiness of ADMS.*
 - *SRLDC/SLDCs to present ADMS incidence.*

41. 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.

42. 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.
 - 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.***

43. 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 tuning 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-43a](#)**
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.
- ✓ **In 233rd OCC**, it was observed that the following units retuning of PSS is pending as per the 5 year timeline considering upto March 2026: SDSTPS units, Lower Sileru Units, Srisailem RB units, HNPCL units, Bellary TPS Units, Nagjheri HEP Units, UPCL units, NCTPS Stage I units, Tuticorin TPS Unit, Kadamparai units, Nagarjuna sagar HEP Unit 1, Yadadri Units, Srisailem LB Unit 4, NTPC Ramagundam Units, NTPC Simhadri Units, Vallur units (final reports to be furnished), NLCIL TPS-I Exp units, NLCIL TPS-II Exp units, MAPS, MPGL units.
 - ✓ Further, NTPC stated that PSS tuning for Ramagundam units 4, 5 and 6 was carried out on 14th/15th November 25. The reports would be furnished. HNPCL stated that PSS tuning was carried out in January 2024 (10.01.24) for Unit 2. HNPCL may furnish the reports for analysis in the next PSS tuning meeting. PSS tuning for Unit 1 is planned by end of January 2026.

Actionable Points

- All the Generators may take necessary action as per the recommendations in Record Notes of the 15th PSS Meeting.
- Generators may carry out the retuning of PSS as per the schedule mentioned in Record Notes of the 15th PSS Meeting.
- All the simulation studies/field tests mentioned in the PSS tuning procedure (available on SRPC website) to be carried out by the generators.
- Report in the final form to be furnished by the generators to SRPC/SRLDC.

- NTECL Vallur to furnish final report all the 3 units for analysis.

Past OCC Conclusion:

- SRPC stated the following:
 - ✓ Partial Reports/data received from NLC TPS II U6, Yeramarus TPS U2, NPH U3, NTPC Ramagundam 4,5,6; NTPC Simhadri Units 1 to 4.
 - ✓ Status of PSS tuning of NLCIL TS2 U5& U3, KKNPP 2, SEL units to be confirmed.
 - ✓ Pending units to carry out PSS tuning as per the tuning schedule.
- NLCIL TPS-II stated that PSS tuning for Units 5 and 7 has been carried out, and the reports will be furnished within this month. AVR upgradation has been completed for Unit 3. The overhaul (OH) of Unit 3 was deferred during the current financial year. PSS tuning for Unit 3 will be carried out during the OH planned in the next financial year.
- NTPC Simhadri stated that the PSS tuning carried out in December 2024 was not satisfactory, as the waveforms were not captured properly. Therefore, re-tuning of the PSS is planned from 06th April to 11th April 2026 in coordination with the OEM, BHEL. The PSS tuning of Units-3 and 4 had been carried out, and the reports are being finalized. PSS tuning for Units-1 and 2 will be planned at a later stage.
- Adani Power Ltd. stated that PSS tuning of MPGL Unit 2 was carried out in March 2026. For UPCL Units 1 and 2, PSS tuning is planned in April 2026.
- SRPC requested Adani Power Ltd. to furnish the PSS tuning report of MPGL Unit 2, which will be discussed in the upcoming PSS tuning meeting.
- HNPCL stated that PSS tuning for Unit 1 is planned in March 2026, and the purchase order has already been placed. The PSS tuning will be carried out at the earliest opportunity.
- HNPCL further stated that PSS tuning for Unit 2 was carried out on 10.01.2024. SRPC requested HNPCL to furnish the report for analysis in the next PSS tuning meeting.
- KKNPP vide letter dated 04.04.2026 furnished the PSS tuning report of Unit 2
- Adani PL stated that PSS tuning for UPCL units 1 and 2 is planned to be carried out after the Heb-banahalli line termination works in the new S/S. MPGL Unit 2 PSS tuning report would be furnished.
- It was noted that PSS tuning details for a total of 13 generating units, including those of NTPC, SEIL, and NLCIL, had been received.
- Further, SRPC had conducted the 16th PSS Tuning Meeting with all the utilities on 13.07.2026 to review the pending PSS tuning activities. Subsequently the recommendations and reports received for 20 units (including NLCIL TPS-II Unit 1) were analyzed during the meeting. MoM will be issued shortly

➤ *Generators may update the status.*

44. 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.

This agenda item was taken up in the recent 57 SRPC-54 TCC meeting held on 16-17th March 2026 & MoM is awaited.

State/Utility	Status (240 th OCC)
Andhra Pradesh/ AP-TRANSCO	240th OCC: PSDF requested to resend the proposal after some modifications suggested by them. Subsequently, proposal has been submitted to NLDC seeking PSDF funding, and their response is awaited. Meanwhile, the management has taken a decision to proceed with the project using internal funds. Accordingly, the process for obtaining Administrative Approval has been initiated, and the proposal note is currently under circulation.
Kerala/ KSEBL	Hardware SAT completed in first week of October 2025. 54th TCC: It was informed that issues are being faced with API integration for WBES data, as the number of polling requests permitted is limited. 240th OCC: SAT completed. Rectification of SAT punch points in progress. Scheduled to go live by August 2026
Telangana/ TGTRANSCO	240th OCC: Metering module: 689 out of 701 Energy Meters installation is completed IT Module: Tender evaluation is in progress Subsequently, the remaining two modules, namely AMR and hardware part, will be taken up. Expected to be completed by December-2026

45. Status of Implementation Automatic Generation Control (AGC)

a) Central Sector:

❖ All CGS stations of SR except NTPC Ramagundam STPS Stage-I had implemented AGC.

Entity	Generator	Status (57 th SRPC / 54 th TCC)
NTPC	Ramagundam STPS Stage-I (3x200MW)	53rd TCC: Completion is expected by December 2025. 54th TCC: Equipment had been reached site. NTPC is ready for implementation. Unit 3: By March 2026 Unit 1 & 2: will be taken along with Approved Annual Overhaul. 238th OCC: AGC implemented in Unit 2 & 3 on 18.04.2026 Unit 1: will be implemented at the next opportunity
All the Generators to furnish the AGC Status at present. Issues after implementation, if any also may be highlighted.		

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 schedule 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 (57 th SRPC / 54 rd TCC)
Andhra Pradesh	Krishnapatnam (2x800MW)	53 rd TCC: All units will be put under AGC by 2026-27(along with SCADA up gradation). 54 th TCC: Order would be placed shortly, for RTU once new SCADA is commissioned.
Karnataka	Sharavathy Generating Station (1035MW) (Available MW for AGC is 10 % of live load up to maximum of 100 MW (10% of 1035 MW))	Sharavathy: Recently tested. Varahi: Test is planned. 54 th TCC: Sharavathy GS & Varahi: Testing had been completed. KAR SLDC stated that the matter needs to be taken up with Karnataka Electricity Regulatory Commission for approval of the commercial mechanism, following which implementation can be carried out. MS, SRPC stated in KERC Advisory Committee meeting, KERC had advised KARSLDC & KPCL to move ahead.
	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)	52 nd TCC Being in the Northern Kerala, dedicated resources cannot be allocated for AGC at the moment. 54 th TCC: No resources are available
	Idukki Unit No.1 (130 MW)	52 nd TCC OPGW works completed. Work has been awarded for the integration by OEM, M/s GE. 54 th TCC: Still pending for revised estimation by OEM
Tamil Nadu	1 North Chennai TPS Stage-II (2 x 600 MW)	52 nd TCC: RTU at Generating end to be provided. At SLDC, the work is completed. 53 rd TCC: The matter was discussed with the management and required funding had been agreed to be provided. Procurement of RTUs would be taken up. 54 th TCC : Tenders were awarded for both stations
	2 MTPS-II (1 x 600MW)	
Telangana	TS GENCO Stations	53 rd TCC: All units will be put under AGC by 2026-27(Along with SCADA upgradation.) However, all GENCOs have been requested to complete

		their respective works. They are progressing with AGC implementation and that the work on hardware and communication infrastructure will be completed ahead of SCADA upgrades, ensuring that integration with SCADA will be smooth once completed. 54th TCC/241st OCC: TGGENCO informed that as a pilot project at KTPS-VI stage (1x500MW), end to end communication was established and verified between SLDC and KTPS-VI stage including data exchange and communication response and found to be satisfactory in both directions. The process of obtaining quotations for the remaining 12 units was underway.
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- Status was updated in 58th SRPC meeting. MOM is awaited.
- Utilities may update the status.

46. 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. 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 5th of every month.
- 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 (part 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	- 24x7 agricultural power supply ensured. No load scheduling enforced.	- No feeder segregation done.
	- Consumers are being sensitized about MoP directives to encourage appropriate power consumption.	

47. Grid Highlights August 2026

- (i) **System Frequency**
- (ii) **Pump Mode Operation:**
- (iii) **Generation Capacity Addition:**
- (iv) **Transmission elements commissioned:**

48. Date & Venue/Mode of the 243rd Meeting of OCC/Outage coordination.

Meeting	Date	Time	Mode
243 rd OCC Outage Coordination Meeting for Transmission Elements			Online
243 rd OCC Meeting			Online
