

**ADDITIONAL AGENDA FOR 242nd OCC MEETING SCHEDULED ON
11th SEPTEMBER 2026**

AA1: Continuation of Agenda No. 40: Automatic Demand Side Management Scheme (ADMS)

The scheme of ADMS implemented in SR was finalized in the 198th and 199th OCC as follows:

1. If Frequency < 49.85 Hz and OD>250 (150 MW for Kerala) for more than 16 min then **Stage-1** trip signal would be triggered. **Expected relief of 200 MW for AP, TG, KAR, TN, 100 MW for Kerala**
2. **After 10 minutes**, if Frequency < 49.85 Hz and OD>250 (150 MW for Kerala), then **Stage-2** trip signal would be triggered. Expected relief of 200 MW for AP, TG, KAR, TN. 100 MW for Kerala
3. **After 10 minutes**, if Frequency < 49.85 Hz and OD>250 (150 MW for Kerala), then **Stage-3** trip signal would be triggered. Expected relief of 200 MW for AP, TG, KAR, TN. 100 MW for Kerala

As discussed in the 241st OCC meeting, the performance of ADMS across the SR states was reviewed for events occurred between March 2026 and July 2026. A total of 74 ADMS events were recorded across the SR states. The state-wise and detailed event-wise data is placed at **Annexure-AA1.**

The Key Observations are as follows:

- i. Tamil Nadu recorded the 24 number of ADMS events. Unsatisfactory operation involved primarily the concerned feeders not tripping as expected.
- ii. Telangana reported 12 events, with recurring issues of non-operation of ADMS or non-tripping of feeders
- iii. Andhra Pradesh reported delays in ADMS operation attributed to Vemagiri SPS logic being implemented through SCADA. LOA was issued for procurement of couplers to resolve this.
- iv. Kerala reported satisfactory operations with several events involved manual ADMS operation initiated ahead of ADMS triggering threshold.
- v. Karnataka reported satisfactory operations with one instance of non-operation of ADMS was attributed to a SCADA system issue

In view of the above, Tamil Nadu SLDC and Telangana SLDC are requested to furnish a detailed analysis of the shortcomings and possible remedial measures for proper functioning of ADMS in the respective control areas.

AA2: Continuation of Agenda No. 35: Assessment of online Dynamic Line Rating-Pilot Scheme – Shifting of DLR pilot project from 400 kV Tuticorin PS – Madurai D/C line

In the 239th OCC meeting, PGCIL SR-II informed that the concerned agency had been requested to submit its feasibility report and commercial offer.

In the 58th SRPC/55th TCC meeting, PGCIL (SR-I) informed that the pilot project involving installation of 18 ODLR sensors had been implemented by PGCIL at a cost of approximately ₹8 crore. However, TATA (OEM), has now quoted ₹4.6 crore (excluding GST), vide its offer dated 23.07.2026, solely for shifting (18 sensors) and re-installation of the sensors from Tuticorin–Madurai to Pavagada–Gooty (earlier proposed alternate line). Considering the substantial cost involved for shifting alone, PGCIL expressed its inability to bear the expenditure at its own cost and requested the SRPC Forum to deliberate on the way forward.

Since the quoted cost for shifting appeared to be on the higher side it was decided that the matter would be examined by the Sub-Committees of SRPC, and its recommendations would subsequently be placed before the TCC/SRPC for further deliberation.

Note: Earlier it was proposed to shift the DLR pilot project on 400 kV Tuticorin PS–Madurai D/C line to 400 kV Pavagada–Gooty Line-I. However, Siemens make DLR sensors had already been installed as a pilot project without any financial implication on 400 kV Pavagada–Gooty D/C line (Twin Moose conductor) during June 2026 as this line was 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.

The forum may deliberate on the cost estimate and identification of a suitable alternative transmission line for implementation of the pilot project.

AA3: Draft RSD (Reserve Shut-Down) Procedure for utilization in SR

- a. As per extant regulations, post implementation of CERC order dated 05.10.2025 in suo-moto Petition no. 09/SM/2024, a generating station which gets a schedule below 50% of MCR for some or all time block (s) of 'D' day on 'D-1' day (after sale of unrequisioned surplus in DAM), and which is not committed under SCUC, is eligible to take its generating station or unit thereof under USD.
- b. In this scenario, if a state is in need of power and unit goes under USD on D-1 as per existing procedure, the State loses its share permanently from the unit under USD and no entitlement will be created either.
- c. Further, if state doesn't need power, in the present USD procedure, the state continues to get power and even entitlement is created in its name. Therefore leading to part load compensation and additional commercial implications on forceful scheduling.
- d. To overcome these difficulties, a draft RSD procedure was proposed, to facilitate beneficiaries who do not require power to surrender it for at least 72hrs on D-2 basis. Beneficiaries who require additional power to avail it from units under RSD/going under RSD, based on firm commitments of at least 24/48/72 hours on D-2/D-1 day so that power scheduling, dispatch and utilization are optimized. It may be noted similar RSD procedure was implemented in Southern Region with commercial implications.

- e. Further, since part-load sharing is computed based on on-bar entitlements, surrendering a unit would enable the beneficiary to avoid part-load compensation charges.
- f. In this regard a meeting was held on 28.04.2026 to discuss the draft RSD procedure for utilization in Southern Region.
- g. Karnataka SLDC, Telangana SLDC, Puducherry SLDC, NTPC, NLCIL and NTPL had concurred with the proposal.
- h. Kerala SLDC and Tamil Nadu SLDC had not yet concurred with the proposal.
- i. Apprehensions were raised regarding the proposed commitment to surrender/revive power on D-2 basis. However, it was clarified that existing USD will continue and there is no compulsion to deploy the proposed RSD procedure. It provides an additional option which can be deployed to provide flexibility.

Constituents are requested to give their final views. In case of lack of complete consensus, the proposal may be dropped.

AA4: DOCO of partial assets and recovery of transmission charges by WRSR Power Transmission Limited (WPTL)

- a) WRSR Power Transmission Limited of M/s Adani Energy Solutions Limited vide letter dated 13.07.2026 (**Annexure-AA4a**) had requested SRPC to recommend that WPTL may declare part COD / DOCO of the commissioned scope from the date of successful trial run in compliance with the provisions of Regulation 27(1)(c)(ii) of the IEGC, 2023; and to facilitate proportionate recovery of transmission charges for the commissioned elements, in line with Schedule 2 of the TSA and the applicable CERC Sharing Regulations, 2020.
- b) Regulation 27(1)(c)(ii) of the CERC (Indian Electricity Grid Code) Regulations, 2023 states
 - (ii) *The COD of a transmission element of the transmission system under Tariff where found Based Competitive Bidding shall be declared only after the declaration of the COD of all the pre-required transmission elements as per the Transmission Services Agreement: Provided that in case any transmission element is required in the interest of the power system as certified by the concerned RPC(s), the COD of the said transmission element may be declared prior to the declaration of the COD of its prerequired transmission elements.*
- c) 55th TCC concluded that the matter shall first be deliberated in the Operation Sub-Committee and Commercial Sub-Committee meetings. Thereafter, based on the outcome of the discussions, it will be placed before the TCC forum in the next meeting for further consideration.

NLDC/SRLDC/CTUIL may apprise the forum.

AA5 Report on usefulness of Vizag (Gazuwaka) Back-to-Back HVDC (2x500 MW)

- d) POWERGRID had earlier proposed refurbishment of Vizag Back-to-Back HVDC Pole-I (OEM: GE Alstom, now GE Vernova), commissioned on 01.09.1999 and having

completed more than 25 years of service. The refurbishment of Pole-I was approved in the 53rd TCC and 56th SRPC meetings held on 14.11.2025 and 15.11.2025, respectively.

- e) Subsequently, POWERGRID, vide letter dated 21.04.2026, informed that Pole-II (OEM: ABB, now Hitachi), commissioned in March 2005, has also completed more than 21 years of service. POWERGRID proposed that refurbishment of both Pole-I and Pole-II may be taken up together under the same package, preferably through the same OEM, to avoid challenges relating to control and protection integration between the two HVDC systems and to achieve cost and operational benefits.
- f) The proposal was deliberated in 55th TCC and 58th SRPC meeting held on 24th and 28th July 2026 respectively the forum requested POWERGRID to furnish the detailed cost estimate and cost implications of the proposed Pole-II refurbishment. It was also decided that the proposal may first be deliberated in the concerned SRPC Sub-Committee(s) and thereafter placed before TCC/SRPC for consideration.
- g) POWERGRID has accordingly requested that system studies be carried out to assess the requirement and usefulness of the 1000 MW Vizag Back-to-Back HVDC system (2 × 500 MW poles) and to examine the proposal for joint refurbishment of both poles, with the proposal thereafter being taken up with CERC under ADDCAP works.
- h) CTUIL vide communication dated 31.08.2026 (Annexure-AA5) had circulated the report which is prepared to evaluate the requirement and usefulness of 1000 MW Vizag Back-to-back HVDC between ER & SR with two poles of 500MW each.

May be discussed

AA6 Details of the proposed ISTS-connected BESS developers/projects

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

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

CTUIL is requested that BESS Developer contact details and Email may be shared.

AA7 Scheduling and Participation of NLCIL TPS-II in SCUC

- a) NLCIL has requested that the requisition and schedule of TPS-II Stage-I & II be maintained at 50% of MCR or above, particularly to ensure ON-BAR availability, as per the provisions/guidelines issued pursuant to CERC Order in Petition No. 9/SM/2024 dated 05.10.2025. NLCIL has also indicated that, in case the schedule is not maintained above 50% MCR, it may be constrained to take one of the units under USD in Stage-I & II.
- b) SRLDC has advised that, considering the anticipated high demand, prevailing generation outages and the requirement of adequate ramping reserves during peak non-solar hours, **NLCIL may participate in SCUC** to enhance system reliability and operational flexibility.

The issue may be discussed and the way forward regarding scheduling/ON-BAR availability of NLCIL TPS-II and participation in SCUC may be deliberated.

AA8 Operational planning study report for the month of August 2026

As per clause 33(6) of Indian Electricity Grid Code 2023 “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.”

In line with above regulation, the operational planning study report of the element (i.e., 400kV-CUDDAPAH-TUMKUR-D/C) was circulated by SRLDC which is at **Annexure-AA8**.

AA9 Overloading of 400 kV Tirunelveli–Kanarpatty S/C Line – Expediting commissioning of second circuit and strengthening of interim measures(Main agenda item 18. 2 c)

- a) The issue of persistent high loading of the 400 kV Tirunelveli–Kanarpatty S/C line and the associated system vulnerability has been deliberated at various forums, including the OCC, TCC and SRPC meetings. SRLDC has repeatedly highlighted the urgency of commissioning the second circuit of the Kanarpatty–Tirunelveli line, as an outage of the existing circuit could have serious consequences, including cascading trippings and substantial loss of load/generation.
- b) The severity of the situation has also been experienced during subsequent grid incidents, wherein RE curtailment of up to about 3900 MW was necessitated, highlighting the vulnerability of the transmission corridor.
- c) As per the latest deliberations in 55th TCC/58th SRPC meetings , POWERGRID SR-II has indicated December 2026/January 2027 as the target for commissioning of the second circuit, which is expected to provide the required permanent relief to the corridor.
- d) In view of the prevailing high loading conditions, with loading of the existing single-circuit corridor reportedly reaching around 1800–2000 MW during certain periods, the Committee has emphasized the need to explore all possible measures for expediting the permanent works, including coordination with TANTRANSCO and the concerned renewable energy developers for completion of the associated Abhishekpatti bay works.
- e) Accordingly, POWERGRID SR-II and TANTRANSCO/TNSLDC are requested to coordinate closely and extend all necessary support for expediting the associated works, particularly the Abhishekpatti bay works, so as to facilitate early commissioning of the second circuit of the Kanarpatty–Tirunelveli line. Considering the system security implications, any possibility of advancing the present target schedule may kindly be explored.
- f) Pending commissioning of the second circuit, the interim measure, as deliberated in the TCC, may also be expedited:

1. Strengthening of the existing SPS, including incorporation of additional loads/conditions, wherever required, to provide adequate relief under high-loading conditions.
 2. Installation of PMUs at suitable locations in the affected network for improved visibility of system dynamics and assessment of voltage/frequency response during disturbances.
 3. Expediting collection and availability of generator-wise data from RE developers and establishing suitable monitoring arrangements.
 4. Ensuring compliance of RE generating stations with the applicable CEA Connectivity requirements, particularly LVRT/HVRT ride-through provisions, to minimise premature tripping of RE generation during grid disturbances.
- g) The above measures are important for maintaining system security and operational reliability of the southern grid, particularly during periods of high RE injection and heavy loading of the Tirunelveli–Kannarpatty corridor.
- h) POWERGRID SR-II and TANTRANSOCO/TNSLDC are therefore requested to kindly accord priority to the above activities and keep SRLDC/SRPC Secretariat apprised of the progress, particularly with regard to the Abhishekpatti bay works and the commissioning schedule of the second circuit.

AA10 upgradation/conversion of the Udumalpet–Madurai 400 kV S/C line to 400 kV (Quad) D/C and reconductoring of the associated Tirunelveli–Udumalpet and Pugalur–Madurai 400 kV D/C

- i) The proposal for upgradation/conversion of the Udumalpet–Madurai 400 kV S/C line to 400 kV (Quad) D/C and reconductoring of the associated Tirunelveli–Udumalpet and Pugalur–Madurai 400 kV D/C lines was deliberated in the 55th TCC meeting.
- j) During the deliberations, SR-II POWERGRID had informed that the contract for the Udumalpet–Madurai line upgradation is expected to be awarded by October 2026, with an SCoD of August 2028. It was also informed that significant RoW issues are being encountered along the corridor.
- k) Considering the existing thermal loading and continuous N-1 violations in the corridor, the TCC emphasized the need for timely implementation of the proposed strengthening works. It was also observed that the sequencing and duration of the associated transmission line shutdowns need to be carefully planned, taking into consideration the system conditions, including peak RE generation and peak loading periods.
- l) Accordingly, as concluded in the TCC, SR-II POWERGRID is requested to furnish the tentative schedule of the proposed works along with the requisite details of the activities requiring transmission system shutdowns, including the tentative sequence and expected duration of each shutdown.
- m) Based on the above details, SRPC, SRLDC, Tamil Nadu power utilities and SR-II POWERGRID shall jointly examine and optimise the shutdown sequence and duration, so as to ensure system security and minimise operational constraints during execution of the works.
- n) It is also requested that the status of the associated Abhishekapatty bay works, which is required to be commissioned prior to undertaking the proposed shutdowns, may kindly be indicated.
- o) The above details may kindly be furnished at the earliest to enable SRPC/SRLDC to take up the necessary system studies and convene the proposed joint meeting for finalisation of the shutdown sequence.

AA11 Convening of Special Meeting for examining utilisation of Yelahanka Gas Plant in Synchronous Condenser Mode

- a) The matter regarding utilisation of Yelahanka Gas Plant (YCCPP) in synchronous condenser mode for providing dynamic reactive power support in the Bengaluru area is under deliberation in various forums of SRPC. KPTCL had informed that the matter had been taken up with the OEM (BHEL), and that the OEM had verbally indicated certain technical limitations regarding operation of the unit in synchronous condenser mode. The official communication from the OEM is awaited.
- b) The matter was further deliberated in the 55th TCC Meeting , wherein it was observed that, if technically feasible, utilisation of the Yelahanka Gas Plant in synchronous condenser mode could provide useful dynamic reactive power support to the Karnataka system, particularly the Bengaluru load centre, where recurring low-voltage conditions have been observed. Such support would be beneficial for voltage management and enhancement of system strength/reliability in the Bengaluru area.
- c) Accordingly, the TCC concluded that a special meeting may be convened by KPCL involving BHEL, KPCL, KPTCL, SRPC Secretariat and SRLDC to facilitate detailed discussions on the technical aspects and limitations associated with utilisation of YCCPP in synchronous condenser mode.
- d) In view of the above, KPCL is requested to kindly convene the special meeting at an early date, with participation from BHEL, KPTCL, SRPC Secretariat and SRLDC, so that the technical feasibility, requirements, limitations and possible benefits of the proposal may be examined in detail.
- e) The outcome of the discussions may also facilitate identification of an appropriate long-term solution for meeting the dynamic reactive power requirements of the Bengaluru load centre.

KPCL/KPTCL may update the status