

Inputs for 241st OCC Meeting Agenda

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/240 th 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 July 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	BHEL (OEM) is required to carry out physical inspection and submit the quotation, which is presently under process. It was further informed that issuance of LOI to BHEL and finalization of the exact restoration timeline would be taken up after approval of the quotation. BHEL is not responding for quotation. Matter is being pursued.
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 for approval. The restoration of failed CB is planned by September 26/October 26.

Table 1

2. Prolonged AC transmission elements outage:

Nil

3. Operational issues faced in SR Grid:

i. ICT loading issues:

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

ii. Low voltages in Southern Region:

Low voltage conditions were observed at 400 kV stations, particularly during the morning peak hours, at Doni, Guttur, Kaiga, Munirabad, Kalvendapattu, Kamudhi, Kannarpatti, Karaikudi, Madurai, Munirabad, NNTPP, Puducherry, Sholinganalur, Sunguvarchatram, Tharamani, Trichy 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.

iii. Deviation in drawal by States:

Persistent deviations from the schedule by Tamil Nadu have been observed on 02nd, 05th, 06th, 12th, 13th, 14th, 15th and 16th July 2026. This issue has been consistently taken up through various communications and real-time messages. On certain occasions physical regulatory measures were also taken in view of the obstinate deviations.

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 Andhra Pradesh have been observed on 17th and 19th July 2026.

In light of 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 08th, 15th, 16th and 20th July 2026.

iv. SPS Mock test of KK-1 & KK-2 and RP-1 & RP-2

In accordance with Regulation 16(2) of the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023, SPS mock test for KK-1 & 2 was conducted on 15-07-2026 at 14:30 Hrs. and RP-1 and RP-2 was conducted on 22-07-2026 at 14:30 Hrs.

In this regard, the key observations from the mock test are summarized below.

Observations for KK-1 signal mock test:

1. The KK-1 SPS Signal was received at all nodes

Observations for KK-2 signal mock test:

1. The KK-2 SPS signal was received at all nodes except Budidampadu and the downstream loads of TGTRANSCO. PGCIL SR-II informed that the signal had been sent from the Kolar end.

Observations for RP-1 Signal mock test:

1. The RP-1 signal was not sent from Kolar_PG end to 220kV Hoody due to a cable issue. PGCIL SR-2 reported that the issue was rectified after the completion of the mock test.
2. The signal was sent to Kumbakonam_TN_230 and Thiruvarur_TN_230 from N_T_Kudy_TN_230. TANTRANSCO reported that upon verification after the mock test, the signal transmission was found to be functioning correctly.
3. The signal was not received at Guruburapalli_GC_TN_33 from Shoolagiri_TN_230.
4. The signal was not received at Tadipatri_AP_220 due to a cable failure. APTRANSCO reported that the faulty cable was replaced after the mock test, and the signal was subsequently tested and found to be healthy.

Observations for RP-2 Signal mock test:

1. The signal was not received at Veltoor_TS_400 and was not transmitted to downstream stations Bhoothpur_TS_220 and Wanaparthi_TS_220
2. The signal was not sent to Pudukottai_TN_230 from NT Kudy_TN_230

Tamil Nadu and Telangana are requested to furnish the findings and remedial actions.