

Inputs for 242nd 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/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
1	400KV/230KV PULIYANTHOPE-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.