ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[Formerly Power System Operation Corporation Limited (POSOCO)]
दक्षिण क्षेत्रीय भार प्रेषण केन्द्र / Southern Regional Load Despatch Centre
कार्यालय : 29,रेस कोर्स क्रॉस रोड, बेंगलुरु-560009
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संदर्भ /Ref No: GRID-INDIA/SRLDC/ RTO/2026/Oct/04 दिनांक/Date:09-10-2026

सेवा में /To

Chief Engineer (Grid Operation)
TANTRANSCO Building
144, NPKRR Maligai, Anna Salai
Chennai – 600 002

विषय / Subject: Adherence to Schedule for secure & stable operation of Grid -Reg

Ref: GRID-INDIA/SRLDC/ RTO/2026/Oct/01

Sir/Madam,

This is to bring to your notice that significant and persistent deviation from schedule by Tamil Nadu was observed from 05th to 07th October 2026. The quantum of underdrawal reached as high as 1834 MW, 1213 MW and 1746 MW on 05th, 06th and 07th October 2026, respectively. Considerable overdrawal was also observed on 05th and 06th October 2026, with the maximum quantum reaching 1170 MW, 1122 MW and 1078 MW, respectively. The Deviation vs. Frequency plot is enclosed as Annexure-1.

The following is the summary of the deviation for Tamil Nadu from 05th to 07th October 2026:

Date	OD % while low freq	UD % while high freq	Max OD	Max UD
05-10-2026	9	10	1170 MW	1834 MW
06-10-2026	8	1	1122 MW	1213 MW
07-10-2026	6	6	1078 MW	1746 MW

The persistent underdrawal was also associated with increase in system frequency. On 5th October 2026, persistent underdrawal by Tamil Nadu was observed from 07:30 to 09:30 Hrs and 13:00 Hrs to 16:45 Hrs with the quantum reaching up to 1208 MW when frequency touched 50.21 Hz at 07:44 Hrs. On 6th October, persistent underdrawal was observed with the quantum of 497 MW when the frequency touched 50.20 Hz at 07:59 Hrs. On 7th October 2026, persistent underdrawal was observed from 13:30 to 15:30 Hrs with the quantum reaching up to 1295 MW when frequency touched 50.11 Hz at 14:01 Hrs. During underdrawl period on 05th and 07th Oct 2026, Actual Demand is less than forecasted demand (furnished by TN SLDC) by around 1000 MW, respectively. Actual Demand Vs Forecasted demand is attached in Annexure-2.

On 05th Oct 2026, significant Overdrawal was observed from 17:00 to 18:00 Hrs, 20:22 to 22:00 Hrs with quantum reaching upto 824 MW when frequency touched 49.45 Hz at 17:52 Hrs. On 06th Oct 2026, significant Overdrawal was observed from 16:45 to 18:00 Hrs with quantum reaching upto 790 MW when frequency touched 49.43 Hz at 17:52 Hrs. Similarly, on 07th Oct 2026, significant Overdrawal was observed from 05:45 to 07:15 Hrs and 09:00 to 10:00 Hrs with quantum reaching upto 900 MW when frequency touched 49.63 Hz at 06:19 Hrs. Persistent overdrawal during non-solar hours, particularly during periods of low system frequency, poses a serious threat to grid security and system stability.

09/10/2026

Physical regulatory measures were taken to control the deviation of Tamil Nadu. The following elements were taken out during the overdrawal period.

Element Name	Physical Regulation	Tripping Time	Synchronising Time
400KV/230KV PUGALUR-ICT-1	STAGE-1	05-10-2026 17:52	05-10-2026 19:42
400KV/230KV PUGALUR-ICT-2	STAGE-1	05-10-2026 17:53	05-10-2026 19:42
400KV/230KV PUGALUR-ICT-3	STAGE-1	05-10-2026 17:53	05-10-2026 19:42
400KV/230KV PUGALUR-ICT-1	STAGE-1	06-10-2026 17:38	06-10-2026 20:04
400KV/230KV PUGALUR-ICT-2	STAGE-1	06-10-2026 17:39	06-10-2026 20:05
400KV/230KV PUGALUR-ICT-3	STAGE-1	06-10-2026 17:39	06-10-2026 20:06
230KV-NEYVELI_TS_II-KADALANGUDI	STAGE-2	06-10-2026 18:22	06-10-2026 20:03

During the underdrawing period, it was observed that Tamil Nadu was buying in DAM in quantum of up to 477 MW on 05th Oct and during the overdrawing period on 07th Oct, Tamil Nadu was selling in both DAM & RTM in quantum of upto 518 MW and 4258 MW, respectively during solar-hours as shown in Annexure-3.

Despite advance sensitisation by the Control Room regarding resource adequacy and the anticipated availability–demand scenario, persistent deviation from schedule has been observed. The lack of adequate proactive measures to ensure adherence to the schedule and maintain the Load Generation Balance (LGB) is a matter of concern. Necessary corrective measures may therefore be taken well in advance, including optimum utilisation of available internal generation and timely exploration of market options/avenues, to ensure adherence to the schedule, maintain the LGB, minimise grid deviations, and ensure grid security.

In view of the above, kindly ensure that generation and demand are planned and regulated proactively, particularly during the critical non-solar hours, so as to maintain the required LGB and minimise deviations from schedule.

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.

This is for your kind information and necessary proactive action to prevent the recurrence of such incidents and to ensure the secure and reliable operation of the grid.

Your cooperation is solicited to maintain grid discipline and ensure grid security.

Thanking you,

भवदीय /Yours faithfully

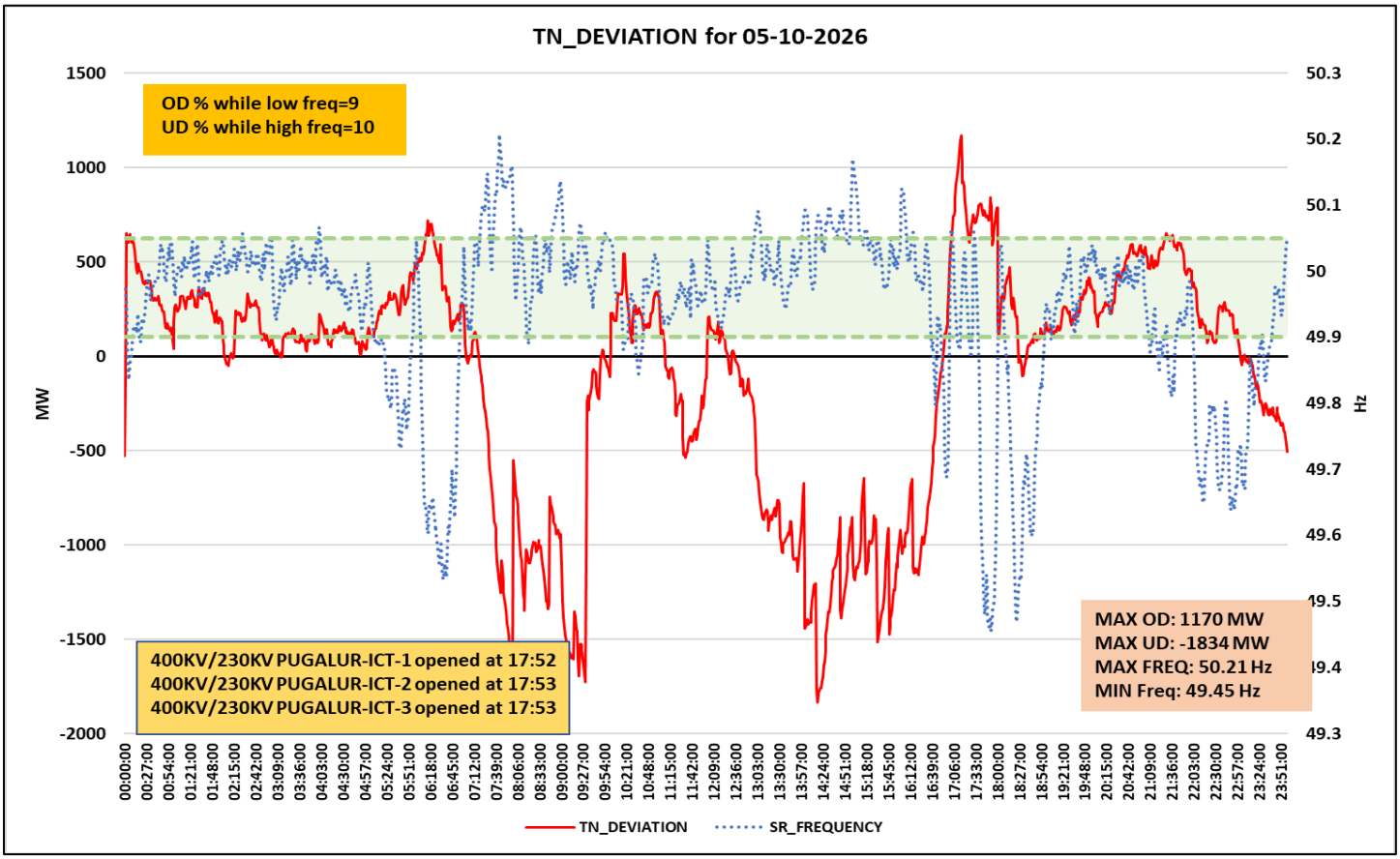
वी गोविंदराज / V Govindaraj 09/10/2026

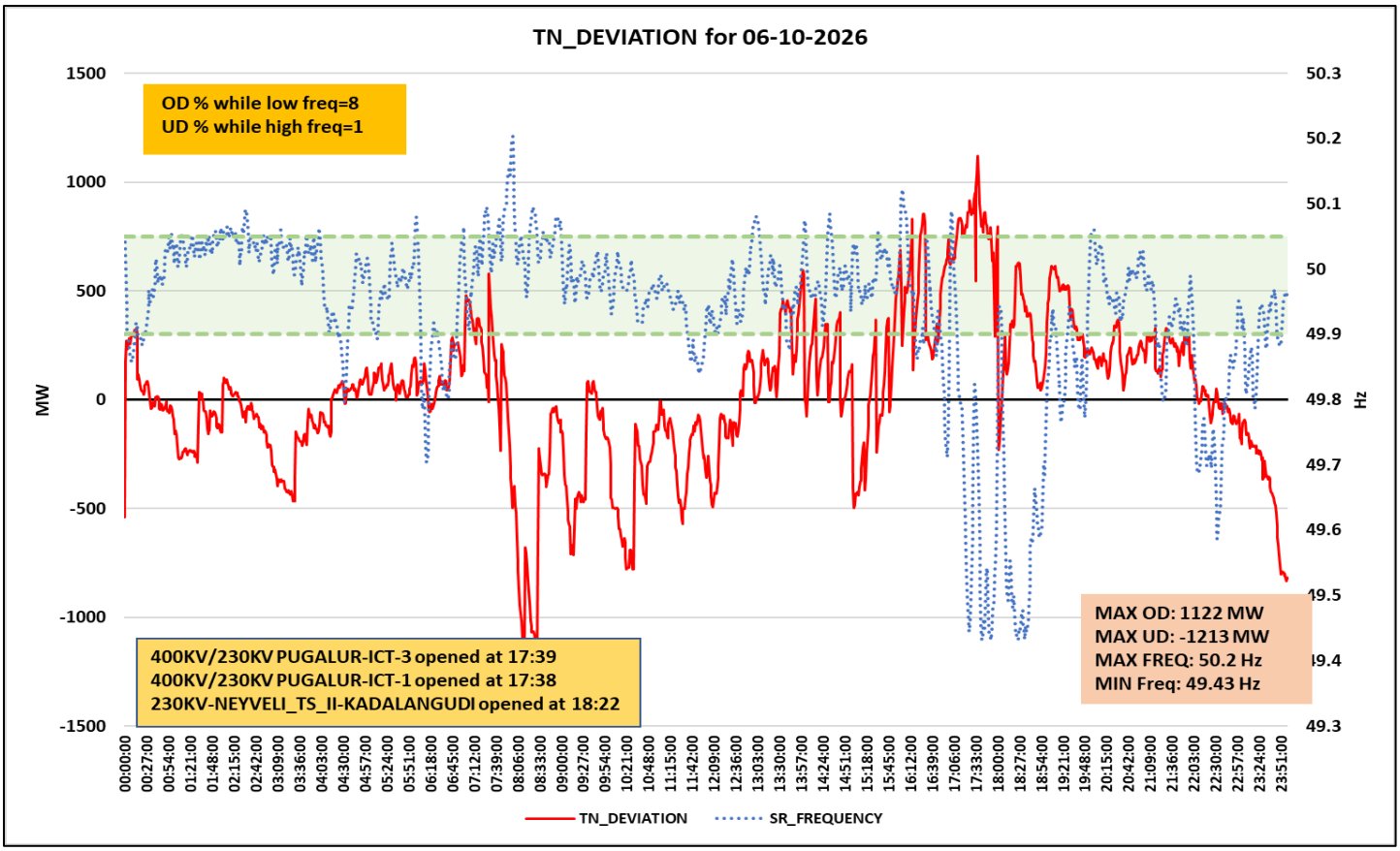
मुख्य महाप्रबंधक / Chief General Manager(SO)
एसआरएलडीसी/ SRLDC

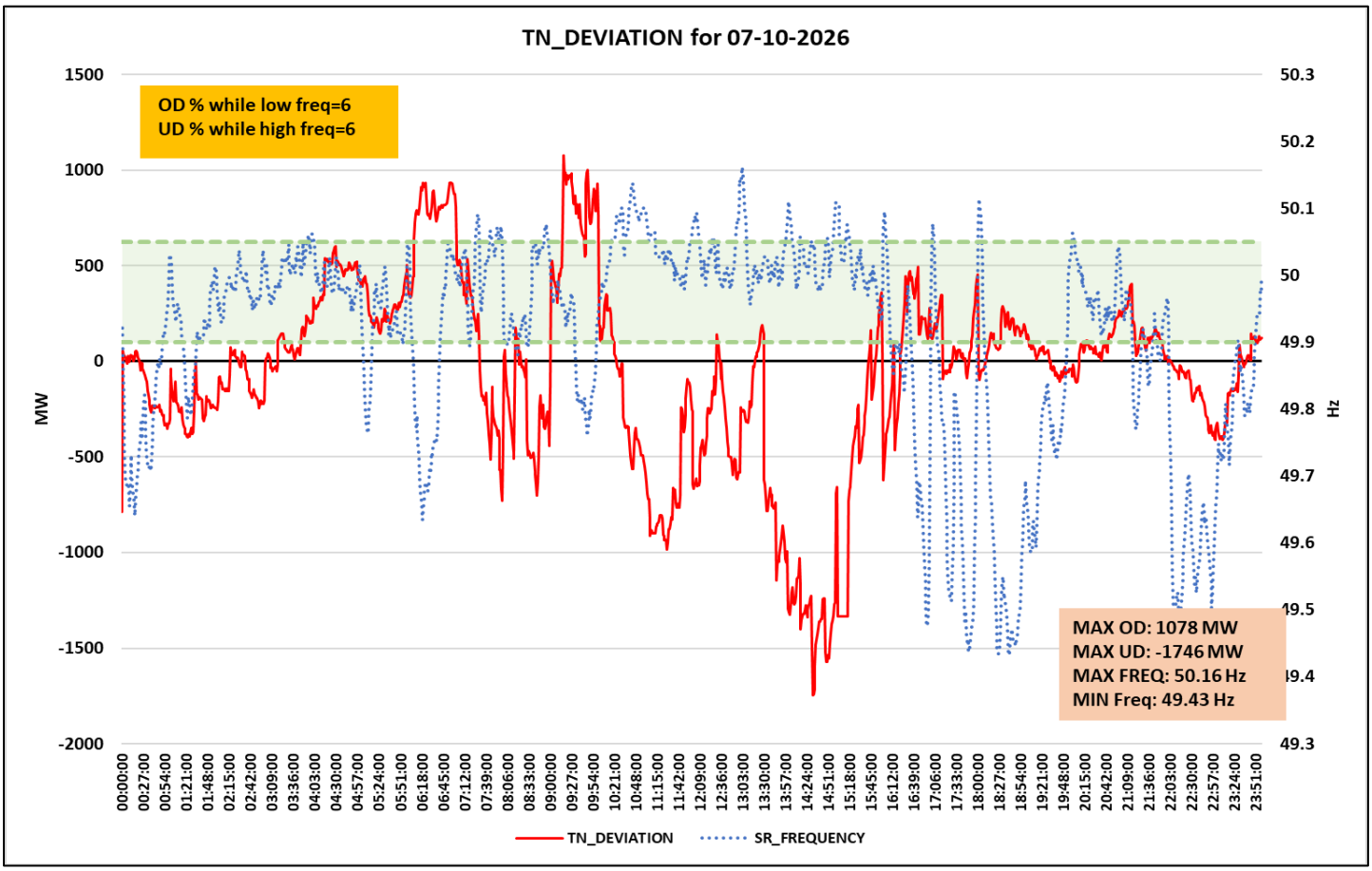
Annexure-1 : Tamil Nadu Deviation vs Frequency Analysis
Annexure-2 : Actual Demand Vs Forecasted Demand
Annexure-3 : RTM/DAM vs Deviation

Copy to: 1. MS , SRPC , Bangalore
2. ED, NLDC, New Delhi
3. ED, SRLDC, Bengaluru

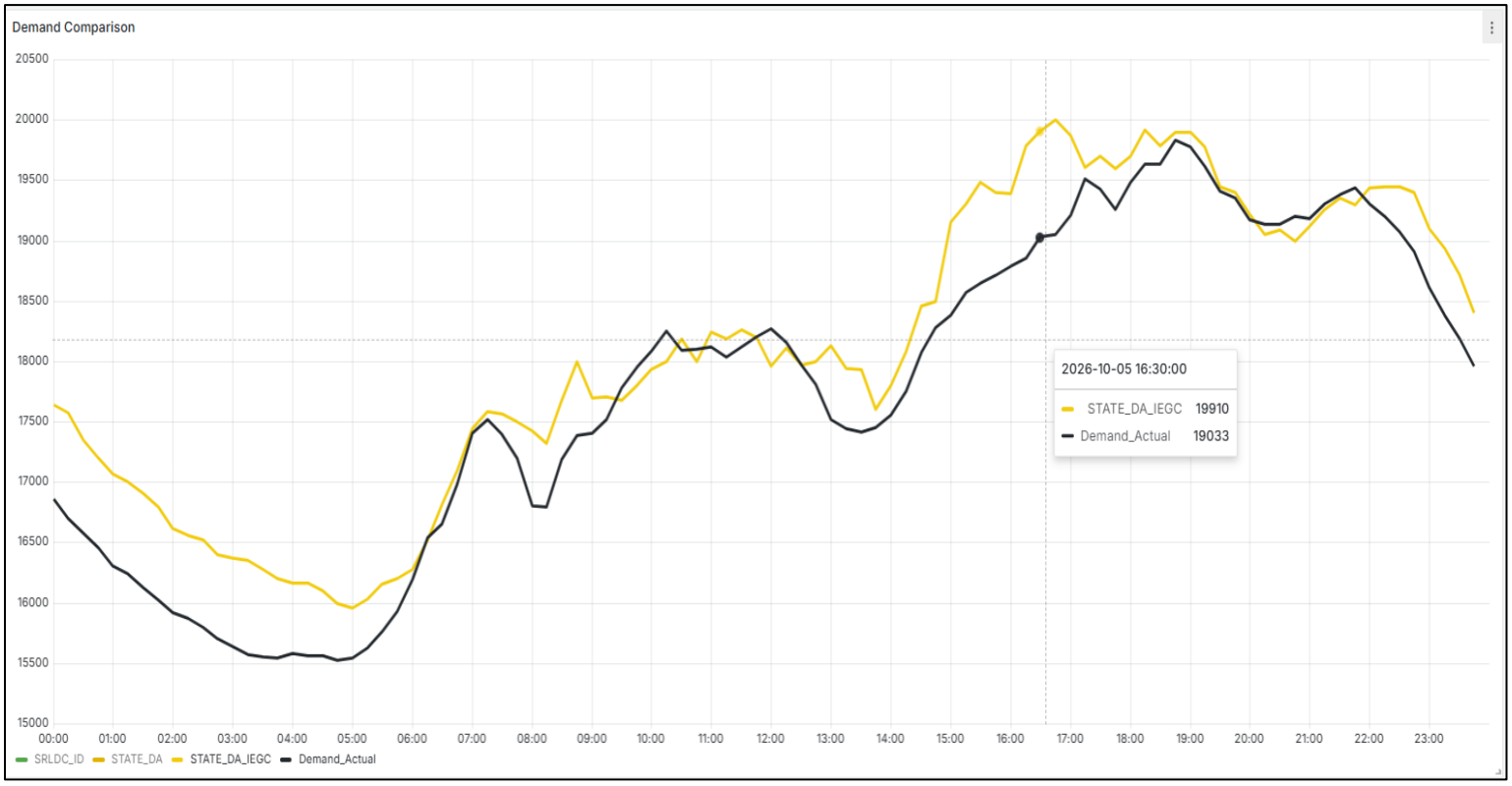
ANNEXURE-1


TN_DEVIATION for 05-10-2026
OD % while low freq=9
UD % while high freq=10
400KV/230KV PUGALUR-ICT-1 opened at 17:52
400KV/230KV PUGALUR-ICT-2 opened at 17:53
400KV/230KV PUGALUR-ICT-3 opened at 17:53
MAX OD: 1170 MW
MAX UD: -1834 MW
MAX FREQ: 50.21 Hz
MIN Freq: 49.45 Hz
MW
Hz
TN_DEVIATION
SR_FREQUENCY

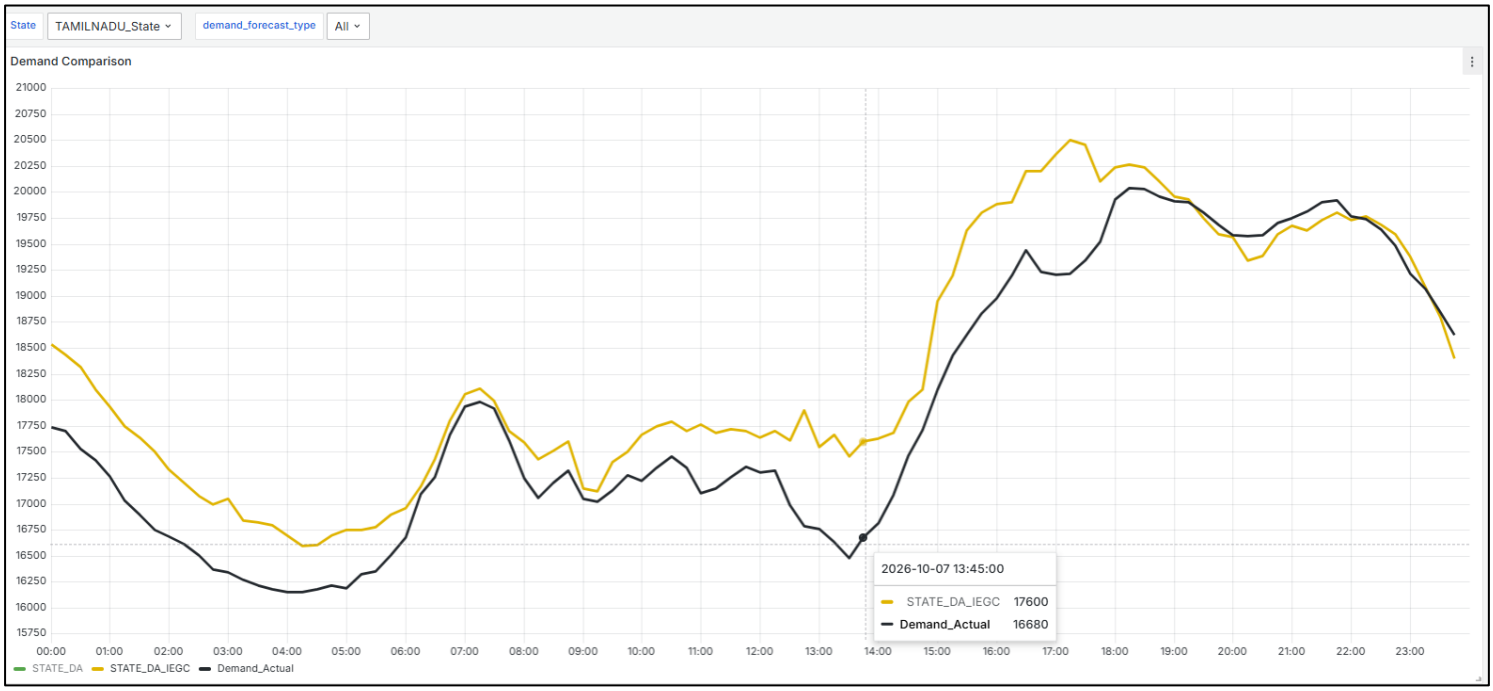

TN_DEVIATION for 06-10-2026
OD % while low freq=8
UD % while high freq=1
400KV/230KV PUGALUR-ICT-3 opened at 17:39
400KV/230KV PUGALUR-ICT-1 opened at 17:38
230KV-NEYVELI_TS_II-KADALANGUDI opened at 18:22
MAX OD: 1122 MW
MAX UD: -1213 MW
MAX FREQ: 50.2 Hz
MIN Freq: 49.43 Hz
MW
Hz
TN_DEVIATION
SR_FREQUENCY


TN_DEVIATION for 07-10-2026
OD % while low freq=6
UD % while high freq=6
MAX OD: 1078 MW
MAX UD: -1746 MW
MAX FREQ: 50.16 Hz
MIN Freq: 49.43 Hz
MW
Hz
1500
1000
500
0
-500
-1000
-1500
-2000
50.3
50.2
50.1
50
49.9
49.8
49.7
49.6
49.5
49.4
49.3
00:00:00
00:27:00
00:54:00
01:21:00
01:48:00
02:15:00
02:42:00
03:09:00
03:36:00
04:03:00
04:30:00
04:57:00
05:24:00
05:51:00
06:18:00
06:45:00
07:12:00
07:39:00
08:06:00
08:33:00
09:00:00
09:27:00
09:54:00
10:21:00
10:48:00
11:15:00
11:42:00
12:09:00
12:36:00
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13:30:00
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20:15:00
20:42:00
21:09:00
21:36:00
22:03:00
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22:57:00
23:24:00
23:51:00
TN_DEVIATION
SR_FREQUENCY

ANNEXURE-II

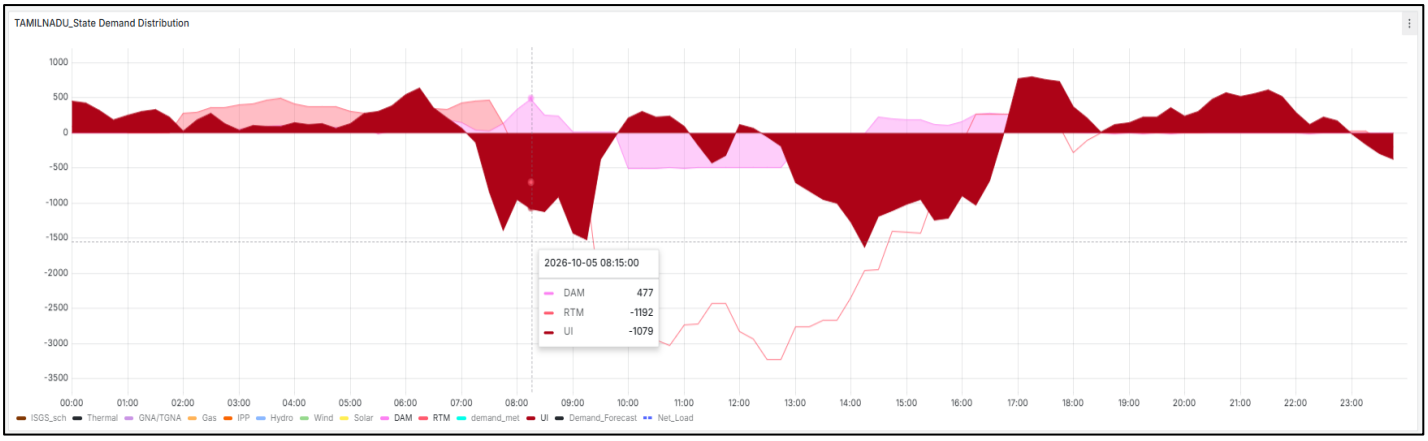


Actual Demand Vs Forecasted Demand on 06-Oct-2026

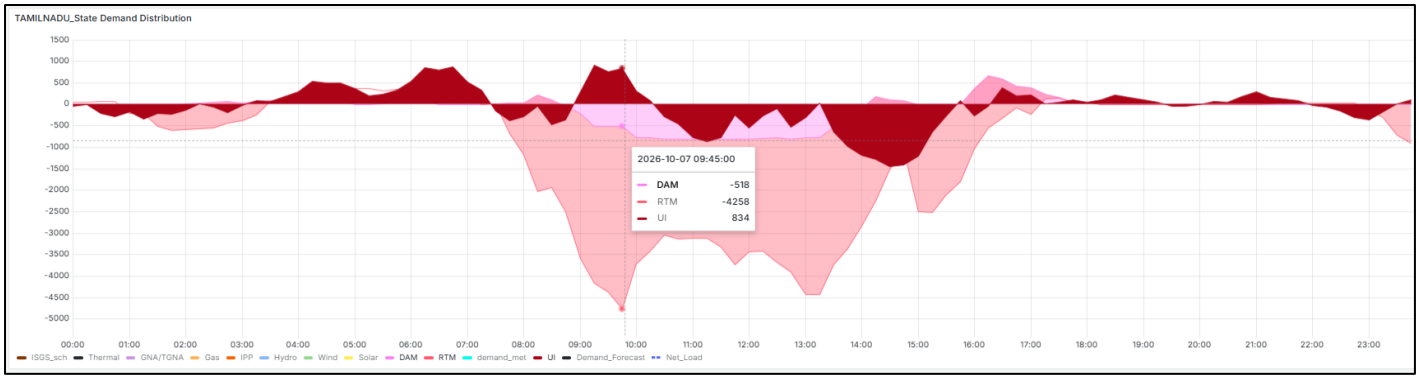


Actual Demand Vs Forecasted Demand on 07-Oct-2026

Annexure - III



RTM / DAM vs Deviation by Tamil Nadu on 05-10-2026



RTM / DAM vs Deviation by Tamil Nadu on 07-10-2026

A. Hemanth