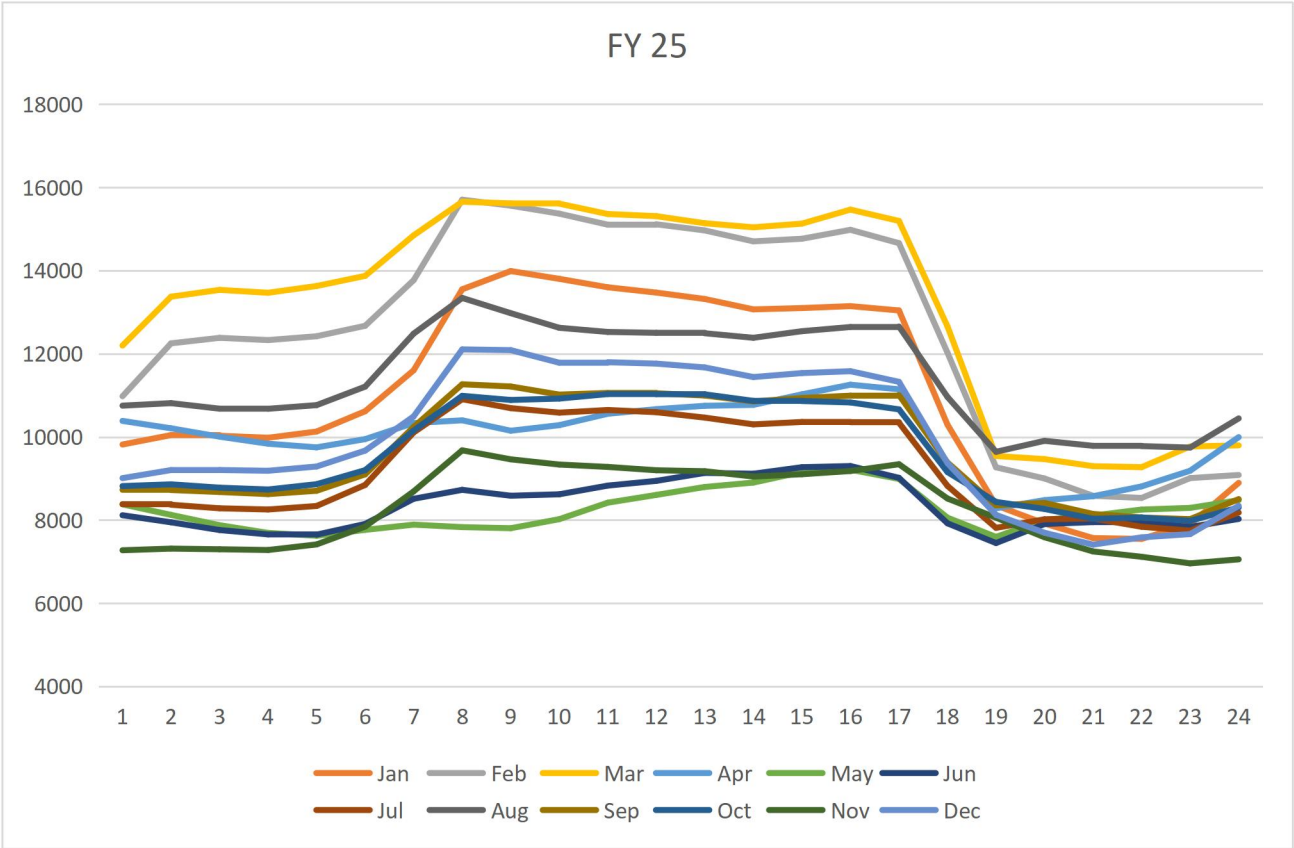
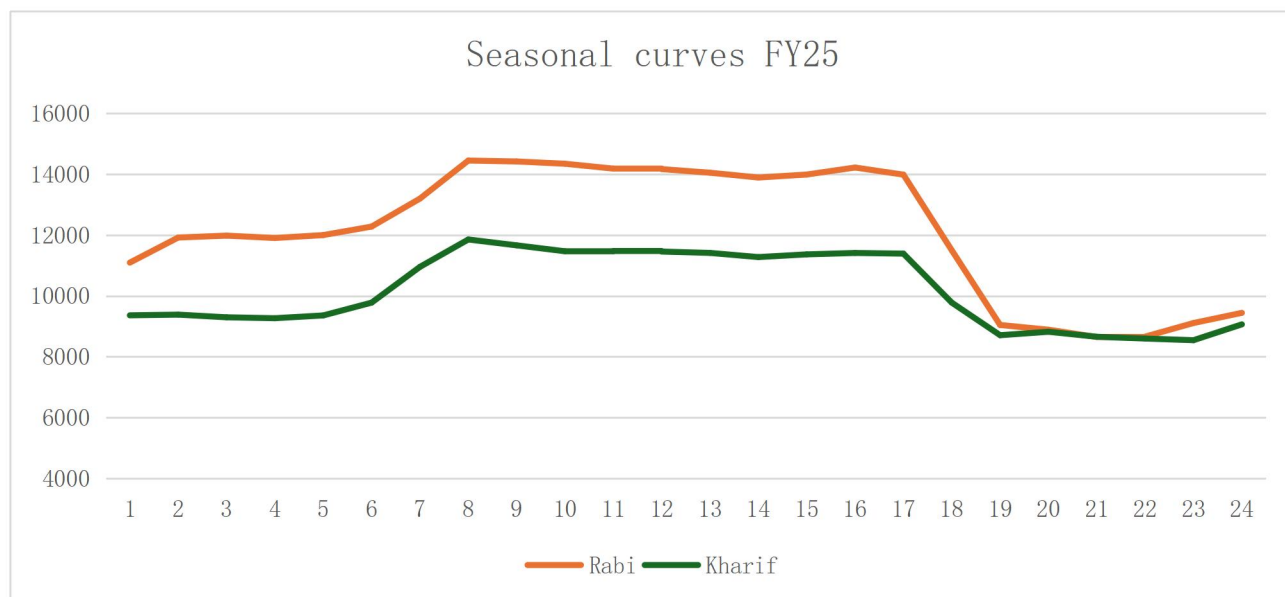
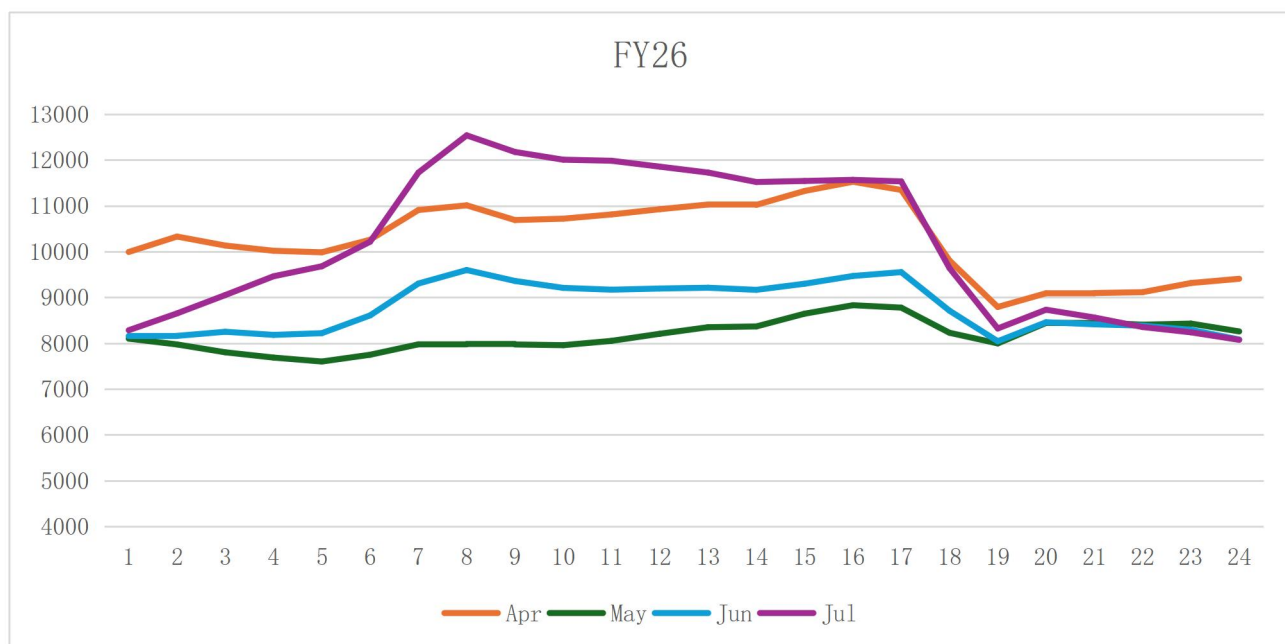


**FY25**





## FY 26



**4. Month-wise, block-wise power purchase cost data for FY 2023-24, FY 2024-25 & FY 2025-26 (Till date, as available) clearly demonstrating the cost comparison across the four time periods during the day i.e., from 6 AM to 10 AM, 10 AM to 6 PM, 6 PM to 10 PM and 10 PM to 6AM.**

**Reply:** The month wise hour-wise average power purchase cost for FY 24 during the four time periods during the day is as below:

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Jan '24	5.59	5.45	5.35	5.32	5.36	5.63	6.43	7.48	7.41	6.96	6.45	6.03	5.94	5.90	5.88	5.90	6.58	6.75	6.21	6.18	6.09	6.11	6.12	5.84
Feb '24	5.52	5.43	5.36	5.33	5.38	5.61	6.52	7.27	6.81	6.25	5.97	5.80	5.80	5.74	5.73	5.74	5.89	6.37	6.41	6.46	6.10	5.98	5.92	5.70
Mar '24	5.68	5.55	5.48	5.46	5.50	5.60	5.73	5.95	5.80	5.76	5.71	5.67	5.60	5.51	5.53	5.54	5.56	5.77	5.98	6.13	5.94	5.91	5.89	5.77
Apr '23	6.53	6.48	6.39	6.33	6.40	6.56	6.36	5.82	5.77	5.81	5.79	5.76	5.75	5.71	5.70	5.73	5.79	5.94	6.20	6.34	6.24	6.25	6.33	6.39
May '23	6.29	6.15	6.02	5.96	5.95	5.96	5.96	6.01	6.07	6.05	6.01	5.99	5.97	5.97	5.97	5.98	5.99	6.00	6.07	6.34	6.32	6.38	6.40	6.39
Jun '23	6.61	6.52	6.24	6.01	5.97	5.96	5.85	5.82	5.80	5.84	5.86	5.87	5.86	5.86	5.87	5.90	5.91	5.90	6.02	6.43	6.47	6.56	6.63	6.70
Jul '23	6.32	6.08	5.94	5.89	5.84	5.81	5.83	5.63	5.55	5.66	5.72	5.73	5.72	5.70	5.66	5.65	5.63	5.66	5.91	6.60	6.66	6.67	6.63	6.58
Aug '23	6.98	6.88	6.72	6.49	6.54	6.77	7.22	6.93	6.12	6.03	5.94	5.89	5.88	5.86	5.97	6.09	6.32	6.52	6.96	7.24	7.18	7.17	7.11	7.07
Sep '23	6.48	6.36	6.24	6.19	6.18	6.33	6.63	6.48	6.09	6.06	5.98	5.95	5.93	5.91	5.98	6.10	6.25	6.33	6.59	6.75	6.64	6.55	6.52	6.60
Oct '23	6.57	6.51	6.41	6.33	6.34	6.56	6.76	6.53	6.14	6.02	5.96	5.94	5.92	5.89	6.02	6.23	6.63	6.91	6.78	6.61	6.42	6.42	6.41	6.53
Nov '23	5.76	5.65	5.58	5.53	5.57	5.70	5.72	5.74	5.77	5.84	5.85	5.85	5.83	5.79	5.75	5.75	6.03	6.83	6.88	6.19	5.86	5.80	5.75	5.73
Dec '23	5.38	5.29	5.20	5.15	5.18	5.39	5.74	6.72	6.63	6.19	5.84	5.73	5.72	5.67	5.61	5.60	6.09	6.69	6.35	6.01	5.83	5.81	5.73	5.54
	10 PM to 06 AM						6 AM to 10 AM				10 AM to 06 PM								6 PM to 10 PM				10 PM to 06 AM	

The month wise hour-wise average power purchase cost for FY 25 during the four time periods during the day is as below:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Jan'25	4.65	4.45	4.35	4.31	4.44	5.00	5.94	7.15	6.84	6.16	5.78	5.52	5.21	4.91	4.96	5.17	5.74	6.30	5.80	5.82	5.98	5.84	5.48	5.04
Feb'25	5.31	5.16	5.11	5.08	5.14	5.41	6.15	7.09	6.55	5.98	5.61	5.34	5.22	5.04	5.00	5.12	5.46	6.00	6.08	6.00	5.97	5.85	5.63	5.59
Mar'25	5.79	5.65	5.59	5.58	5.56	5.66	5.86	5.93	5.55	5.35	5.23	5.14	5.00	4.81	4.89	5.02	5.24	5.56	5.88	5.78	5.86	5.90	5.85	5.87
Apr'24	6.73	6.46	6.21	6.09	6.03	6.08	6.21	5.80	5.46	5.32	5.16	5.07	4.99	4.92	4.99	5.19	5.45	5.76	6.13	6.37	6.32	6.44	6.53	6.75
May'24	6.43	6.27	6.07	5.98	5.98	6.01	5.98	5.76	5.50	5.38	5.33	5.29	5.27	5.26	5.43	5.61	5.74	5.85	6.00	6.33	6.37	6.44	6.46	6.52
Jun'24	6.72	6.52	6.25	6.06	6.07	6.02	5.96	5.56	5.23	5.07	5.07	5.07	5.10	5.18	5.45	5.56	5.63	5.70	5.84	6.42	6.64	6.72	6.68	6.76
Jul'24	6.88	6.48	5.88	5.78	5.77	5.55	5.77	5.28	4.97	4.79	4.65	4.60	4.56	4.55	4.72	4.91	5.05	5.28	5.66	6.55	6.69	6.94	6.93	7.10
Aug'24	5.59	5.27	5.00	4.94	4.97	4.94	5.17	4.97	4.61	4.44	4.35	4.29	4.23	4.20	4.29	4.45	4.63	4.84	5.22	5.79	5.79	6.02	5.94	6.00
Sep'24	5.41	5.22	5.07	4.98	4.97	5.03	5.14	4.95	4.70	4.64	4.68	4.66	4.59	4.57	4.69	4.81	4.85	5.15	5.41	5.50	5.46	5.55	5.53	5.61
Oct'24	5.34	5.22	5.15	5.11	5.07	5.11	5.17	5.10	5.01	4.94	4.86	4.81	4.79	4.79	4.89	5.00	5.10	5.35	5.47	5.44	5.37	5.36	5.35	5.35
Nov'24	5.08	4.95	4.88	4.85	4.86	5.05	5.29	5.39	5.40	5.41	5.29	5.15	5.02	4.94	4.96	5.16	5.36	5.68	5.65	5.66	5.59	5.49	5.33	5.21
Dec'24	4.18	4.08	4.01	4.00	4.08	4.61	5.35	6.24	6.12	5.71	5.37	5.14	4.88	4.64	4.70	4.99	5.45	6.25	5.82	5.82	5.71	5.38	4.87	4.49
	10 PM to 06 AM						6 AM to 10 AM				10 AM to 06 PM								6 PM to 10 PM				10 PM to 06 AM	

The month wise hour-wise average power purchase cost for FY 26 during the four time periods during the day is as below:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Apr'25	6.04	6.02	5.86	5.77	5.78	5.90	6.03	5.42	4.95	4.76	4.64	4.59	4.53	4.47	4.54	4.73	4.94	5.41	5.86	5.92	5.92	5.91	5.94	5.96
May'25	5.78	5.76	5.68	5.54	5.52	5.51	5.45	4.96	4.53	4.62	4.75	4.73	4.71	4.70	4.76	4.84	4.96	5.23	5.55	5.95	5.95	5.95	5.98	5.92
Jun'25	5.73	5.70	5.54	5.34	5.21	5.13	5.06	4.57	4.10	3.97	3.99	4.07	4.09	4.07	4.18	4.34	4.54	4.80	5.17	5.85	5.88	5.95	5.88	5.81
Jul'25	5.33	5.17	5.03	4.92	4.87	4.98	5.00	4.61	4.39	4.18	3.96	3.93	3.90	3.85	3.99	4.22	4.40	4.75	5.17	5.56	5.54	5.50	5.49	5.44
	10 PM to 06 AM						6 AM to 10 AM				10 AM to 06 PM								6 PM to 10 PM				10 PM to 06 AM	

From the above 3 tables, it is evident that the per unit cost incurred by the licensee during the time slot 10pm to 6am is on higher side when compared to 6am to 10am and 10am to 6pm slots.

**5. Detailed power purchase cost incurred during the 10pm to 6am time period for FY 2023-24, FY 2024-25 & FY 2025-26 (Till date, as available), clearly comparing the power purchase cost in this time period with other time periods.**

**Reply:**

**FY24**

The Hourly Average Power purchase cost for FY 2023-24 is as below:

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Cost/unit	5.60	5.46	5.30	5.19	5.19	5.31	5.51	5.58	5.40	5.31	5.22	5.15	5.12	5.08	5.10	5.14	5.33	5.63	5.72	5.79	5.64	5.63	5.63	5.66

The slot-wise comparison of cost per unit for the licensee for FY2023-24 is given below:

Time slot	Cost per unit
Morning Peak hours (6am to 10am)	5.31
Normal hours (10am to 6pm)	5.22
Evening Peak hours (6pm to 10pm)	5.63
<b><i>Incentive hours (10pm to 6am)</i></b>	<b>5.42</b>

**FY25**

The Hourly Average Power purchase cost for FY 2024-25 is as below:

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Cost/unit	5.87	5.66	5.42	5.32	5.32	5.42	5.66	5.67	5.42	5.25	5.11	5.00	4.89	4.79	4.89	5.07	5.29	5.67	5.84	5.93	5.94	5.97	5.95	5.98

The slot-wise comparison of cost per unit for the licensee for FY2024-25 is given below:

Time slot	Cost per unit
Morning Peak hours (6am to 10am)	5.50
Normal hours (10am to 6pm)	5.09
Evening Peak hours (6pm to 10pm)	5.92
<b><i>Incentive hours (10pm to 6am)</i></b>	<b>5.62</b>

## FY26

The Hourly Average Power purchase cost for FY 2025-26(April, May, June & July) is as below:

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Cost/unit	5.72	5.67	5.55	5.41	5.38	5.42	5.43	4.90	4.48	4.35	4.29	4.29	4.27	4.24	4.35	4.52	4.71	5.06	5.50	5.88	5.85	5.83	5.83	5.78

The slot-wise comparison of cost per unit for the licensee for FY2025-26(April, May, June & July) is given below:

Time slot	Cost per unit
Morning Peak hours (6am to 10am)	4.79
Normal hours (10am to 6pm)	4.24
Evening Peak hours (6pm to 10pm)	5.77
<b><i>Incentive hours (10pm to 6am)</i></b>	<b>5.59</b>

The average cost/unit during the incentive hours (10pm to 6am) are higher than the morning peak hours and normal hours, due to which the licensee is getting financially affected by giving an incentive.

### 6. Detailed analysis on the demand response to the proposed ToD structure and the load shifting capability of the consumers across industries.

**Reply:** Yadadri power plant has not come up as scheduled & as contemplated at the time of ARR filings, leading to shortage during night hours. PPAs entered for about 9800 MW Solar Power in addition to about 1,000 MW Rooftop Solar Power, which are must run stations which cannot be backed down. State Demand is varying from 8,000 MW to more than 17,000 MW, due to which back down of Thermal power plants during few solar hours is essential, as the Thermal plants cannot be run below 55% Technical minimum. Else, causes tripping of Generators challenging to maintain grid stability. Hence, it is very much essential to shift the demand to day time to maintain grid. The proposed ToD tariff removes the incentive for the consumption during night hours (10pm to 6am). Since day time is most preferred by the industrial and commercial sectors for optimizing operational costs, the proposed amendment in ToD is expected to bring a shift in consumption from night hours to daytime. The supply availability is higher than demand during daytime and hence the proposed tariff helps to shift demand to higher generation availability period.

**7. Clear demonstration that energy availability (including renewable energy availability patterns) during the day will be sufficient to meet the additional demand that may arise on account of change in ToD structure.**

**Reply:** The average generation availability and average demand during daytime (09:00 hrs to 16:00 hrs) for the year 2024-25 are summarized as below.

Time	Generation availability MW	Demand MW
09:00 to 10:00	11,227	11,496
10:00 to 11:00	11,956	11,508
11:00 to 12:00	12,280	11,521
12:00 to 13:00	12,329	11,530
13:00 to 14:00	12,210	11,409
14:00 to 15:00	11,844	11,479
15:00 to 16:00	11,094	11,544

The generation availability is higher than demand during the daytime. The state has entered PPAs for about 9800 MW Solar Power in addition to about 1,000 MW Rooftop Solar Power. This will further increase the generation availability during the daytime. This surplus available energy will be sufficient to cater the additional demand which is expected to shift from night hours to the day hours.

**8. Peak demand reduction achieved so far through existing ToD and Grid stability implications of the proposed change.**

**Reply:** From the implementation of ToD, growth rate in peak time is relatively less compared to the growth rate during day time. Therefore, it is evident that ToD implications are contributing to maintain Grid stability. Hence to maintain the Grid stability the proposed ToD is necessary.

**9. Impact of proposed ToD charges on Electricity Bills of different consumer types.**

**Reply:** As scheduled & as contemplated at the time of ARR filings, the Yadadri power plant was not commissioned, thus leading to shortage of power during night hours. To meet the demand during night hours, the licensees were compelled to purchase power from Market at higher prices. The proposed ToD amendment was mainly aimed to maintain Grid stability.

**There is no impact on Electricity Bills to different types consumers as the ToD proposing to the existing ToD applicable consumers only.**

**10. Detailed Cash flow impact analysis of TGDISCOMs on account of the proposed amendments.**

**Reply:** DISCOMs would like to submit that any cash flow arising out of the ToD is not an additional revenue to the DISCOM, but to maintain Grid stability to meet the demand during night hours.

**11. Detailed analysis of the Cross-subsidy burden redistribution on account of the proposed amendments**

**&**

**12. Comparison of existing Revenue vis-à-vis revenue with proposed amendments**

**Reply:** The Yadadri power plant not commissioned as scheduled & as contemplated at the time of ARR filings, leading to shortage during night hours, the DISCOMs have been incurring higher power purchase cost than approved in the Retail supply tariff order due to procurement of power from the conventional power stations and market purchases during incentive hours from 10 PM to 6 AM. Hence, the proposed ToD amendment is justifiable.

**13. Rationale for the proposal for removal of ToD incentive completely instead of reduction in the amount of incentive being given.**

**Reply:** The state has entered PPAs for about 9800 MW Solar Power in addition to about 1,000 MW Rooftop Solar Power. The Solar plants are must run stations and cannot be backed down. The state demand is varying from 8,000 MW to more than 17,000 MW and the renewable power is available during Solar hours. Hence backing down of Thermal power plants is essential during solar hours, as thermal stations cannot be run below 55% Technical minimum to avoid tripping of Generators to maintain grid stability. Hence, it is very much essential to shift the demand to day time. If the Load is shifted to day time due to removal of incentive during night hours, working in day time would be easier than night hours.



**14. Impact of energy generation from conventional sources with specific reference to additional need for backing down on account of proposed ToD**

**Reply:** Due to the variations in hourly generation from non-conventional energy sources (specially solar power), thermal generators are currently being backed down during the daytime (9am to 5pm).

Since the current proposal of ToD tariff aims to bring the consumption from night hours (10pm to 6am) to day time, the backing down of thermal generators during day time would be reduced helping in better load and generation management.