

Minutes of the Review Meeting held on 06.08.2025 on the Performance of GRIDCO for the FY 2024-25

Date of Review : 06th August, 2025

Period of Review : April 2024 - March 2025

1. The Managing Director, GRIDCO made presentation on the performance of GRIDCO for the FY 2024-25. He stated that currently GRIDCO has contracted capacity of 9600 MW from various sources i.e. State hydro: 2095 MW, State thermal: 1740 MW, IPPs: 1253 MW, Central Sector Hydro: 277 MW, Central Sector Thermal: 2272 MW, Solar plants: 1532 MW, Small Hydro Plants: 109 MW & Wind Power Plants: 322 MW. Overall, non-fossil fuel contracts is 45% of their generation mix.
2. The energy from State hydro, Central hydro & Renewables are scheduled fully considering their 'must-run' status and power from other sources are scheduled on merit-order basis as per the states demand requirement. GRIDCO had purchased 42487.26 MU of energy during the period under review at a cost of Rs. 13811.90 Crs. (at an average rate of 325.08 P/U) as against OERC's approval of 38804.12 MU at a cost of Rs. 12454.03 Crs. (at an average rate of 320.95 P/U) for the FY 2024-25. The total purchase of 42487.26 MU including central sector transmission loss of 43064 MU, purchase of 670.25 MU through trading, UI overdrawal of 260.88 MU, drawal of 452.96 MU through power banking and infirm power/ inadvertent power injection of 495.95 MU. The details of Power purchase are given at Table-3.
3. GRIDCO had cleared all the power purchase dues of the generators which amounts to Rs. 12609.45 Crs. and PGCIL charges which amounts to Rs.702.70 Crs. for the FY 2024-25. Other power purchase expenses amount to Rs. 499.76 Crs. towards cost of banked energy, purchase of power on exchanges, SOC & MOC charges, OA charges of SLDC. The total power purchase cost for the FY 2024-25 was Rs. 13811.90 Crs. The BSP dues of the DISCOMs were also cleared within due dates amounting to Rs. 13,229.4 Crs. along with surcharge payment of Rs. 390 Crs. from TPWODL.
4. GRIDCO had earned a total revenue of Rs.2697.02 Crs. during the FY 2024-25 on account of the sale of 5854.52 MU of available surplus power through trading, tripartite agreement, Unscheduled Interchange (Under drawal in DSM) charges and TPWODL Surcharge. Further, GRIDCO has earned Rs. 294.85 Crs. (Rs. 12.01 Crs. receivable from other CGPs) on sale of 427.51 MU of emergency power to IMFA, NALCO & other CGPs at an average rate of 689.70 paise/unit.
5. GRIDCO had borrowed 469.10 MU of energy under Banking mechanism during the months of April'24 to July'25 from MPPMCL, APPCPL & NALCO. During the lean demand periods from Nov'24 to Feb'25, GRIDCO has returned 485.50 MU of energy.
6. The DISCOMs have underdrawn 2185.99 MU of energy as compared to the estimation for the FY 2024-25. The details of energy drawl by the DISCOMs are given in the table below;

Table-1
Energy Drawal by DISCOMs (in MU) during the FY 2024-25

DISCOMs	OERC Approval for the FY 2024-25	Actual Drawal during FY 2024-25	Over (+) / Under (-) Drawal than the approved quantum
TPCODL	12513	11997.54	(-) 515.46
TPNODL	8163	7390.03	(-) 772.97
TPWODL	11690	11137.18	(-) 552.82
TPSODL	4924	4579.26	(-) 344.74
TOTAL	37290	35104.01	(-) 2185.99

7. For the FY 2024-25, GRIDCO has shown a revenue surplus of Rs. 347.36 Crs. against the estimated shortfall of Rs. 371.91 Crs., the details of which are as given in the table below:

Table-2
Revenue Approval Vis-à-vis Actual during the FY 2024-25

(Rs. in Crs.)

Sl. No.	Particulars	OERC Approved for FY 2024-25		Actual for FY 2024-25	
		MU	Rs. in Crs.	MU	Rs. in Crs.
	2	3	4	5	6
A	REVENUE				
1	BSP from DISCOMs				
	TPWODL	11,690.00	4,442.20	11,137.18	4,232.13
	TPNODL	8,163.00	2,857.05	7,390.03	2,586.51
	TPSODL	4,924.00	984.80	4,579.26	915.85
	TPCODL	12,513.00	3,941.60	11,997.54	3,779.23
	Less: rebate allowed to DISCOMs				(113.61)
2	Surcharge from TPWODL		409.15		389.80
3	Past year adjustments				(2.72)
	Sub-Total	37,290.00	12,634.80	35,104.01	11,787.19
1	Emergency Sales (NALCO & IMFA)	100.00	74.60	149.56	111.57
2	Trading		-	4,557.82	1,799.77
3	Tripartite Agreement Sale	250.00	113.75	664.04	305.31
4	DSM Charges			632.66	202.13
5	Other Sales (CGP)			277.95	183.64
6	Other Income (Reactive Charges, SCED)				14.77
7	Misc. revenue				106.23
	Total Revenue (1+2+3+4+5+6+7)	37,640.00	12,823.15	41,386.04	14,510.61
B	EXPENDITURE				
1	Power Purchase Cost	38,804.12	12,454.03	42,487.26	13,811.90
1(a)	Less: Rebate allowed by Generators				(158.01)
2	Pass Through/Past Year Cost		595.79		(36.28)
3	Employees Cost		22.30		16.87
4	A & G Cost (including R & M Cost and Depreciation Charges)		14.64		42.97
5	Interest and Financial Charges		-		485.79
6	Carrying Cost on Regulatory Asset		108.30		

Sl. No.	Particulars	OERC Approved for FY 2024-25		Actual for FY 2024-25	
		MU	Rs. in Crs.	MU	Rs. in Crs.
	Total Expenditure (1-1(a)+2+3+4+5+6)	38,804.12	13,195.06	42,487.26	14,163.25
D	REVENUE GAP		(371.91)		347.36

8. In the BSP order of GRIDCO, the Commission had advised for sale of surplus power to the intended industries through tripartite agreement between GRIDCO, concerned DISCOM and the Industry. Accordingly, GRIDCO has sold 664.04 MU through tripartite agreement and has earned revenue of Rs. 305.31 Crs. on this account at an average rate of 459.78 paise/unit. GRIDCO has traded surplus power of 4557.82 MU through power exchanges at an average rate of 394.88 paise/unit and has earned a revenue of Rs. 1799.77 Crs. In total, GRIDCO has sold surplus power of 5221.86 MU available mostly during off-peak hours and earned total revenue of Rs. 2105 Crs. with trading margin of Rs. 528 Crs. (variable cost paid for this energy is Rs. 1577 Crs.).
9. For the FY 2024-25, GRIDCO has shown closing cash balance with a deficit of Rs. 753.15 Crs. as against the opening cash deficit of Rs. 645.22 Crs. During this period total cash inflow was Rs. 15423.21 Crs. which includes Rs. 11,589.5 Crs from DISCOMs towards current BSP & surcharge, Rs. 161.23 Crs. as arrear collection against past dues by DISCOMs, Rs. 2418.46 Crs. from the revenue earning through trading, DSM and emergency power supply to CGPs & others, Rs.1001 Crs. from Loan (soft loan from Government) and Rs. 190 Crs loan from Canara Bank. Total cash outflow was Rs.15,531.14 Crs. which includes Rs.13,623.53 Crs. towards payment of power purchase dues, Rs.1359.30 Crs. towards loan repayment, Rs. 504.89 Crs. towards interest and financial charges, Rs. 12.71 Crs. towards Guarantee Commission, Rs. 13.51 Crs. towards Employee cost and Rs. 17.20 Crs. towards A&G expenses.
10. The outstanding loan from Commercial Banks & other sources (Loan from OHPC, Soft loan from GoO, Secured overdraft & Guarantee Commission) as on 01.04.2024 was Rs. 6106.76 Crs. During the FY 2024-25, GRIDCO has availed new loan of Rs. 1199.10 Crs and has paid an amount of Rs. 1259.15 Crs. towards principal repayment and Rs. 524.30 Crs. towards interest. Now, the outstanding Loan as on 31.03.2025 is Rs. 5930.44 Crs.
11. The Managing Director, GRIDCO stated that the Annual Accounts of GRIDCO for the FY 2023-24 was appraised to the Board of Directors of GRIDCO on 17.06.2025 and would be adopted in the AGM on 30.09.2025.
12. **Commission's Observation:**
- In the FY 2024-25, GRIDCO has met the state demand by procuring power from the following sources and the average per unit cost arrived at 325.08 paise/unit including all charges. The details of such procurement is as given in the table below;

Table-3
Source & Quantum of Energy procured during the FY 2024-25

Sl. No.	Source	Energy in MU	% share	Total cost (Rs. In Crs.)	Rate paise/unit
1	State Hydro Power Plants	5841.16	13.75%	628.74	107.64
2	State Thermal Plants	11879.06	27.96%	4009.13	726.50
3	State IPPs	5329.83	12.54%	1512.33	1653.62
4	State SHEP	450.96	1.06%	202.53	2427.29
5	State Biomass	48.25	0.11%	36.67	760.00
6	State Solar	706.64	1.66%	319.15	451.65
7	Central Solar	1290.56	3.04%	407.52	315.77
8	Central Wind	886.29	2.09%	249.80	281.86
9	Central Thermal	13714.85	32.28%	4887.79	356.39
10	Central Hydro	459.66	1.08%	183.76	399.78
11	State Inadvertent / Infirm Injection	495.94	1.17%	0.00	0.00
12	DSM	260.88	0.61%	172.02	659.39
13	Power received through Banking	452.959	1.07%	151.64	334.78
14	Purchase through Trading	670.245	1.58%	336.19	501.59
	Total Power Purchase	42487.26		13097.28	
15	CTUIL / PGCIL Transmission Charges			702.70	
16	Reactive Energy Charges			0.00	
17	SOC & MoC Charges			3.62	
18	OA Charges (SLDC, ODISHA)			8.31	
	Net Total Power Purchase Cost	42487.26		13811.90	325.08

- ii. The share of each sale of total sales in the FY 2024-25 is as given in the table below;

Table-4
Energy Sales during the FY 2024-25

Sl. No.	Description	Qty in MU	% of sale	Rate paise/unit
1.	TPWODL	11137	26.9%	380
2.	TPNODL	7390	17.9%	350
3.	TPSODL	4579	11.1%	200
4.	TPCODL	11998	29.0%	315
	Sub-Total	35104	84.8%	
5.	Emergency Sales (NALCO & IMFA)	150	0.4%	745.98
6.	Trading	4558	11.0%	394.87
7.	Tripartite Agreement Sale	664	1.6%	459.77
8.	DSM	633	1.5%	319.49
9.	Other Sales (CGP)	278	0.7%	660.69
	TOTAL	41386		

- iii. The Commission observed that GRIDCO has purchased 694.51 MU of energy from power market (670.25 MU after excluding Inter-state transmission loss) at an average rate of 501.59 paise/unit whereas has traded 4557.82 MU of energy at an average rate

of only 394.87 paise/unit with a trading margin of Rs. 528 Crs. GRIDCO in coordination with DISCOMs should explore the possibility of sale of this surplus energy within the state formulating suitable mechanism.

- iv. GRIDCO is directed to strictly adhere to the merit order despatch principle while drawing power from the costly sources at the time of any contingencies/ power shortage.
- v. GRIDCO is in the process of installing 500 MWh Battery Energy Storage System (BESS) through VGF from MoP at 5 different Grid Sub-stations, which has been finalised after discussion with OPTCL. Such BESS projects would benefit the grid stability and take care of evening peak load requirements.
- vi. Initiatives are also required for execution of Pumped-storage projects inside the state which would be advantageous for the state power sector scenario. Odisha PSP Policy 2025 has been notified by GoO on 28.07.2025 and GRIDCO should participate proactively for procurement of power from such projects.
- vii. As per GRIDCO addition of 10960 MW of power from Renewable Energy sources has been targeted by 2030, out of which PSP is 1200 MW, SHEP is 260 MW, Solar is 7500 MW and Wind is 2000 MW. GRIDCO must plan and execute such projects with defined timelines and work in close coordination with the GoO and other stakeholders to ensure project completion within the time frame.
- viii. GRIDCO has procured Renewable energy (solar & wind) of 2176.85 MU from Central Sector which has waiver of inter-state transmission charges & losses on the energy procured. In the scenario of withdrawal of such waiver by the central government, the power procurement cost would rise resulting in burdening the consumers. Therefore, the target set by GRIDCO for development of renewable projects of 10960 MW within the state by 2030 must be expedited.
- ix. GRIDCO is exploring the prospects of re-financing of loans for which discussion is going on with NABARD and GoO. Such initiatives are very much required to reduce the interest burden.
- x. GRIDCO has signed a tripartite MOU with NTPC & CRUT- BBSR in December 2024 for development of Green Hydrogen Mobility Project, which is planned to be implemented in the Bhubaneswar-Keonjhar-Puri, Bhubaneswar-Bolangir and Bhubaneswar- Baripada corridors. GRIDCO should support such initiative for successful implementation and based on the learning, further expansion can be planned.
- xi. GRIDCO has procured 2176.85 MU of Renewable energy (solar & wind) from Central Sector generating stations which are linked to waiver of transmission charges for the energy procured. GRIDCO has stated that it is working towards the development of wind projects and solar projects within the state.
- xii. GRIDCO has submitted that an amount of Rs 2721 Crs. is still outstanding against the erstwhile DISCOMs with DPS of Rs. 3769 Crs. resulting in total receivable from erstwhile DISCOMs as Rs. 6490 Crs.
- xiii. After the introduction of market derivatives/ electricity futures in electricity power market, GRIDCO must strengthen its Trading Team to understand the evolving power market to draw maximum benefit in the overall interest of the consumers of the state. Necessary restructuring if required may also be done for delivering the current/ future work assignments. The strengthening, restructuring and capacity building of Human

resources is the need of hour and GRIDCO needs to plan accordingly. GRIDCO must also strengthen its Renewal Energy Team for fulfilment of RCO/RPO Obligations and further planning of future Renewable Energy Projects in a strategic manner.

- xiv. GRIDCO is advised to conduct quarterly meeting with DISCOMs to discuss important matters such as demand projection, industrial growth & requirement of power by the industries under special tariff, compliance of vesting orders and issues pertaining to RPO/RCO compliance, recovery of outstanding dues etc.
- xv. GRIDCO needs to reduce the A&G expenses, particularly the legal expenses, for which disputes with OPTCL/OPGC/OHPC should be resolved amicably without approaching legal forum.
- xvi. The state is unable to avail 50% of its share of cheap power from Machkund HEP due to transmission constraints. GRIDCO must pursue this matter with OPTCL and necessary steps must be taken urgently and required system studies must be carried out to augment the transmission network considering various technology options.
- xvii. GRIDCO being 49% stakeholder in the Distribution business of the state, is responsible for safe reliable & affordable power supply to the consumers of the state. The CAPEX investment proposals of DISCOMs needs to be examined thoroughly and execution of various works needs to be prioritised properly to reduce the burden on consumers and focus has to be on strengthening of distribution infrastructure to improve quality and availability of power supply. The benefit of CAPEX investment needs to be analysed w.r.t reduction in technical loss, improvement in quality of power supply etc.
- xviii. As per the submission of GRIDCO, the Actual energy requirement and Peak Demand for the last five financial years is as given in the table below;

FY	Actual Energy (MU)	Average Demand (MW)	Peak Demand (MW)
2020-21	31793	3629	4133
2021-22	33641	3840	4909
2022-23	36924	4215	5312
2023-24	40206	4577	5508
2024-25	42695	4874	6242

- xix. While the average demand has grown in the state with a CAGR of 7.66%, the peak demand has grown with a CAGR of 10.86%. Based on the input from Discoms, GRIDCO has to formulate the Resource Adequacy Planning in line with OERC (Framework for Resource Adequacy) Regulations, 2024 and plan the power procurement accordingly to meet the power demand of the state as well as for compliance of RPO/RCO.
- xx. The RAP (Resource Adequacy Plan) needs to be done utilising available software tool like STELLAR provided by CEA in order to analyse various scenarios so as to optimise the power procurement cost. Accordingly, the officers of GRIDCO should be trained to utilise various analytical tools available for power procurement planning and trading of

power including trading of power from BESS. GRIDCO being the nodal agency for development of RE (Renewable Energy) in the state, steps need to be taken for promotion of various RE technology (Solar & Wind) and storage technology (PSP & BESS) through private investment for state's energy security. The planning for BESS/ PSP to meet peak demand needs to be explored and optimum use of transmission assets can be planned with proper placement of BESS.

- xxi. GRIDCO is directed to provide information about the planning to execute future PPA(s) with thermal generators considering the expansion project of Unit #5 & #6 of OPGC.