

Monthly Work and Learning Report

May 2026 (Weeks 41–45)

Expanding Regulatory Knowledge and Enhancing Analytical Skills

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May 2026 was a highly engaging and productive month that provided me with extensive exposure to regulatory affairs, tariff-related activities, power market operations, demand analysis, and electricity sector planning. The month involved a balanced combination of regulatory review, drafting assignments, participation in hearings, analytical studies, and continuous self-learning. These experiences further strengthened my understanding of the electricity regulatory framework and enhanced my professional and analytical capabilities.

A significant portion of my work during May was related to the review and examination of regulatory documents. I reviewed the remarks on the Consumer Grievance Redressal Forum Regulations and provided appropriate suggestions for consideration. This activity improved my understanding of consumer grievance mechanisms, regulatory procedures, and the importance of ensuring clarity and effectiveness in regulatory provisions. I also drafted detailed notes for the Engineering Wing on various technical and regulatory matters, which helped strengthen my drafting and documentation skills.

Another important area of work involved tariff-related documentation. I edited Additional Disclosure Statements for incorporation into tariff regulation formats and reviewed related documentation. Through this assignment, I gained better insight into tariff filing requirements, disclosure obligations, and the importance of accurate reporting in regulatory processes. I also participated in discussions on the draft Multi-Year Tariff (MYT) Regulations, which provided exposure to the evolving regulatory framework governing tariff determination and utility performance.

Load curve analysis continued to be a major learning component throughout the month. I conducted detailed analyses of daily load curves for multiple days, examining demand patterns, peak load behaviour, and overall system performance. I also carried out comparative studies of Kerala's load profiles across different days to identify variations in consumption patterns. These exercises enhanced my understanding of demand behaviour, peak demand periods, load fluctuations, and power system operation. Through discussions with senior officials, I gained deeper insights into electricity demand assessment and load forecasting practices.

During May, I also worked on demand forecasting and projection exercises. I projected the peak demand for April 2027 based on the performance of April 2026 and studied various demand forecasting methodologies, including Year-on-Year growth projections

and Compound Annual Growth Rate (CAGR)-based demand projections. These activities improved my understanding of forecasting techniques and their role in power system planning and resource adequacy.

The month provided valuable exposure to power market operations. I collected and analysed data from the Indian Energy Exchange (IEX) and studied market concepts such as the Day Ahead Market (DAM), Term Ahead Market (TAM), Real-Time Market (RTM), and Market Clearing Price (MCP). This work enhanced my understanding of short-term electricity markets and the mechanisms through which power procurement and price discovery take place.

I attended several important regulatory hearings during the month. These included OP 21/2026 concerning the approval of the Power Purchase Agreement with Rajiv Gandhi Combined Cycle Power Project (RGCCPP), Kayamkulam, OP 29/2024 regarding permission to take over and operate the 110 kV substation at Hi-Tech Park, Kalamassery, and OP 20/2026 related to Mid-Term Performance Review for the control period 2022–2027. Participation in these hearings provided practical exposure to regulatory decision-making, power procurement arrangements, utility operations, and stakeholder interactions.

Another significant assignment involved analysing Operation and Maintenance expenses by comparing components from FY 2019–20 to FY 2024–25 using true-up orders and audited accounts. This exercise enhanced my understanding of utility cost structures, financial analysis, and regulatory scrutiny of expenditure. I also documented the Renewable Purchase Obligation compliance status of KSEBL under both Ministry of Power and State Electricity Regulatory Commission requirements, thereby improving my understanding of renewable energy compliance frameworks.

I was also involved in reviewing and comparing Power Purchase Agreements and analysing changes incorporated in licensees' agreements. Additionally, I drafted an order relating to the approval of a supplementary Power Purchase Agreement for enhancement of Contract Demand in the KINFRA Hi-Tech Park, Kalamassery licensee area. These assignments improved my understanding of contractual arrangements, power procurement frameworks, and regulatory approval processes.

Apart from regulatory assignments, I attended a presentation by M/s New Age Markets in Electricity Platform (NAME), which highlighted the role of digital platforms and data analytics in enhancing transparency and efficiency in electricity trading. I also attended presentations delivered by junior consultants and interns on smart metering and related developments. These interactions broadened my understanding of emerging technologies and ongoing developments in the power sector.

Regular interactions with senior officials, including the Member (Technical), Secretary, consultants, and junior consultants, contributed significantly to my professional learning. Discussions on tariff regulations, resource adequacy concepts, power market

mechanisms, and technical matters provided valuable practical insights beyond theoretical knowledge.

Alongside professional work, I continued focusing on personal development and competitive examination preparation. I devoted time to improving my grammar and language skills through exercises covering adverbs, prepositions, conjunctions, interjections, sentence analysis, and other aspects of English grammar. During May, I continued reading *Leadership* by Rudolph W. Giuliani. The book offers valuable lessons on leadership during challenging situations, decision-making under pressure, accountability, public service, and crisis management. Reading it provided meaningful insights into effective leadership practices and the importance of responsibility, communication, and resilience in professional life.

Compared to previous months, May marked noticeable progress in my ability to independently analyze regulatory documents, understand tariff frameworks and power market operations, and contribute more confidently to drafting, forecasting, and analytical assignments. My exposure to regulatory hearings, demand forecasting methodologies, load curve analysis, tariff-related documentation, and power purchase arrangements significantly expanded my understanding of the functioning of the electricity regulatory sector. The month also strengthened my analytical thinking, regulatory comprehension, and professional confidence, while providing valuable practical insights into the technical, financial, and operational aspects of the power sector.