Curriculum Vitae

Name : Anand Kumar

Educational Qualification

- Master of Business Management (Finance) - Lucknow University
- Bachelor of Engineering (Electrical)- University of Roorkee (IIT Roorkee)

Specialized Trainings/Participations:

- Advanced Software Course in Process Control Computers (150 Days) - Hitachi, Japan
- Regulatory Course on Economic Regulations - National Regulatory Research Institute, at Ohio University- Wisconsin USA
- Regulator's capacity building program and System Operation in California, USA
- Training on Public Private Partnership in Power Sector in Washington
- Training on Infrastructure Regulation and Reform – USAID - Pakistan
- Training on Rate Making Training at Administrative Staff College of India, Hyderabad
- Represented Gujarat in Smart Grid Forum Global Workshop on European & Indian Market in Paris, France
- Presented Paper on Distributed Solar Grid at Global Forum organized by Florence School of Regulation in Italy
- Represented Gujarat in World Energy Forum at Mexico on DG Renewable Energy
- Part of Indian Delegation to meet Regulatory Commission/ Power utilities/ISO in California on large scale integration of Renewable Energy with the Grid

Work Experience

- 40 Years' Experience in the Power Sector which includes more than 21 years' experience in Electricity Regulations, Reforms & Restructuring of Power Sector.
- Experience of 4 States Regulatory Commissions i.e. Gujarat, Meghalaya, Uttarakhand and UP
- Having experience of power sector, regulation, reforms and Financial/technical issues and shown capabilities as Chairman of the Electricity Regulatory Commissions while issuing number of tariff orders for Gujarat, Meghalaya and Uttarakhand and having more than ten years of experience as Head (Administrative and Tariff) in the field of

engineering, finance, management and tariff matters in Regulatory Commission.

Key Positions held

- Chairman- Gujarat Electricity Regulatory Commission
- Chairman- Meghalaya State Electricity Regulatory Commission
- Acting Chairman-Uttarakhand Electricity Regulatory Commission
- Member- Technical Uttarakhand Electricity Regulatory Commission
- Secretary- Uttarakhand Electricity Regulatory Commission
- Secretary- Uttar Pradesh Electricity Regulatory Commission
- Senior Specialist - Uttar Pradesh Electricity Regulatory Commission
- Member Working Group (Metering) - UP Power Sector Reforms Project
- In charge- Data Acquisition System at Anpara Thermal Power Station

Brief Description of experience

1. **Experience with the Electricity Regulation (About 21 Years)**

<u>Tariff, licensing and Investment approvals</u>

- Dealt with all kind of Regulatory matters including Tariff determination and Investment approvals for Distribution, Transmission and Generation companies, Setting Performance benchmarks for Distribution Companies, Safety Standards in Power Sector, Licensing, Power Purchase Agreements, Commercial, Energy Audit, Metering, Billing, handling legal issues with - High Courts, Appellate Tribunal of Electricity, Supreme Court of India.

<u>Reduction in AT&C losses</u>

- Initiated regular monitoring of the billing database of consumers and analyzing all sort of infirmities in the billing system. This action has resulted in reduction in commercial losses and improvement in licensee's revenue.
- Initiated an exercise of testing and checking of energy meters, CT, PT of all HT consumers in the State by an independent agency. This has also improved the commercial losses.
- Started energy audit in the key areas by regular monitoring of losses at the Distribution transformer level. This exercise has shown improvement in the distribution losses.

<u>Safety Measures</u>

- Taken a proactive role towards the safety of human being by educating the staff of the Distribution Company, consumers, and electrical inspectors of safety laws related regulation and provisions of Indian Electricity Rules 1956 and ensured its compliances.

Standard of Performance

Regulations on standard of Performance were framed and monitoring of information is being done on regular basis.

Power Purchase Agreement-Approval & Dispute Redressed

Handled several cases of PPAs right from conceptual stage to the approval stage for thermal, hydro and renewable energy. Solved number of disputes between seller and procurer of energy.

Consumer Empowerment

- Initiated consumer awareness program and setup an institutional arrangement in the State.
- Regular visit to field divisions and interacted with the field staff, informing them the requirement of Electricity Act, 2003 and regulations so as to give better service to the consumers.

Renewable Energy

- Made regulation to promote investments in renewable energy, Wind, Solar, Waste to Energy, small hydro etc and held number of programs/workshop to educate the investor/developers and the distribution licensee. Handled several cases of different issues relating to Contract etc.

2. Experience in Restructuring and Reforms in Power Sector in Uttar Pradesh (About 3 years)

Reforms and Restructuring

- Served in UP Power Sector as Member of a working group created for reforms, unbundling of UPSEB, financial restructuring, and drafting of UP Electricity Reforms Act.
- Prepared standard practices of metering, billing and energy accounting for unbundled organizations of generation, transmission and distribution.
- Prepared Tariff approaches on commercial principles for generation, transmission, bulk supply and retail tariff.

3. Experience in Erection, Commissioning, Operation, Maintenance and Design in UPSEB/UPPCL (More than 15 Years)

Planning, Design, Erection, Commissioning and Operation

- Independently erected, commissioned and run the 3 units of Process Control System (DAS) at a major thermal power station
- Served in UPSEB in the field of Generation & Distribution and have acquired experience in Planning, Designing, contracts, power purchase agreements, erection/testing/ commissioning/operation of control and instrumentation equipments for large Generating Stations.

- Prepared Schemes for Instrumentation in large thermal Power Stations including 500 MW units, RFP/RFQ, designing, finalizing specifications, erection, testing and commissioning.

Membership of Working Groups/Advisory Boards

- Vice Chairman Forum of Regulators (FOR)
- Vice Chairman Forum of Indian Regulator
- Member, State Advisory Board – CAG
- Chairman- Working Group on recommending road map for power sector development in North East
- Member Working Group, Standardization of Electricity Bills in Distribution Utilities
- Member Working Group on framing Quality of Supply Regulations
- Member, Working Group on DSM and Energy Efficiency

Area of Interest

- Power Sector Regulation, Policy & Finance, Renewable Energy Policy & Regulation, Load Forecasting, Tariff design & working models, Power Purchase Agreements, Energy Pricing, Energy Access, Standard of Performance and Safety Standards.