



Information Booklet

4th Global Regulatory Perspectives Programme for Members of Electricity Regulatory Commissions

Sydney, Australia | November 20 – 22, 2023

Organised by:
Centre for Energy Regulation
Department of Management Sciences (DoMS)
Indian Institute of Technology Kanpur

Knowledge Partner



Energy Analytics Lab



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Programme Agenda



Programme Agenda

<i>Day 1 – Monday, 20th November, 2023 (Conference Venue: Hobart Room)</i>	
<i>09:00 AM – 10:30 AM</i>	Distribution Network Tariff and Standards of Performance Mr. Jesse Price, Director, Stakeholder Engagement, Australian Energy Regulator (AER)
<i>10:30 AM – 10:45 AM</i>	Tea / Coffee Break
<i>10:45 AM – 12:15 PM</i>	Design and Implementation of a Demand Response Program Mr. Carl Hutchinson, Head, Enel X Australia
<i>12:20 PM – 01:15 PM</i>	Regulatory Governance: A Brainstorming Session, Dr. Anoop Singh, Centre for Energy Regulation, IIT Kanpur
<i>01:15 PM – 02:15 PM</i>	Lunch
<i>02:15 PM – 03:30 PM</i>	Regulatory Governance for the Electricity Sector in Australia Mr. Charles Popple, Commissioner, Australian Energy Market Commission (AEMC)
<i>03:30 PM – 03:45 PM</i>	Tea / Coffee Break

<i>Day 2 – Tuesday, 21st November, 2023 (Conference Venue: Hobart Room)</i>	
<i>09:00 AM – 10:15 AM</i>	Implementing Retail Competition in the Electricity Sector: The Australian Experience Ms Sarah Sheppard, Executive Director, Energy, Essential Services Commission, Australia
<i>10:15 AM – 10:30 AM</i>	Tea / Coffee Break
<i>10:30 AM – 11:30 AM</i>	Consumer Protection and Grievance Redressal in the Australian Electricity Sector Ms Helen Ford, Deputy Ombudsman ,Energy & Water Ombudsman NSW
<i>11:30 AM – 12:45 PM</i>	Regulatory and Policy Framework for RE Development in Australia Mr. John Kettle, Head of International and Energy at Gadens
<i>01:00 PM – 02:00 PM</i>	Lunch
<i>02:00 PM – 03:15 PM</i>	Network Access and Pricing for RE Rich Systems, Ms Stephanie McDougall, General Manager (Regulation), Transgrid
<i>03:15 PM – 03:30 PM</i>	Tea / Coffee Break

Day 3 – Wednesday, 22nd November, 2023

<i>08:30 AM – 11:00 AM</i>	Travel to site by Coach
<i>11:30 AM – 12:00 PM</i>	Tea/ Coffee
<i>12:00 PM – 02:30 AM</i>	Site Visit: Transfer to Coach at site Port Kembla Hydrogen Hub
<i>02:30 AM – 04:00 PM</i>	Explore around by Coach
<i>04:00 PM – 05:00 PM</i>	Meal Break
<i>05:00 PM</i>	Travel by Coach (to Sydney)

Delegation

Delegation

<i>Sr. No.</i>	<i>Name</i>	<i>Designation</i>	<i>Name of SERC</i>
1	Justice(Retd.). Jayant Nath	Chairperson	Delhi Electricity Regulatory Commission
2	Dr. Mallela Venkateswara Rao	Chairperson	West Bengal Electricity Regulatory Commission
3	Mr. Rajesh Kumar Joshi	Chairperson	Arunachal Pradesh State Electricity Regulatory Commission
4	Mr. Anand Madhukar Limaye	Member	Maharashtra Electricity Regulatory Commission
5	Mr. Atul Kumar	Member	Jharkhand State Electricity Regulatory Commission
6	Mr. Bandaru Krishnaiah	Member (Finance)	Telangana State Electricity Regulatory Commission
7	Mr. Gajendra Mohapatra	Member (Law)	Odisha Electricity Regulatory Commission
8	Mr. Gopal Srivastava	Member (Law)	Madhya Pradesh Electricity Regulatory Commission
9	Mr. Jiban Krishna Sen	Member	Tripura Electricity Regulatory Commission
10	Mr. Manjunath Hethur Manjegowda	Member (Legal)	Karnataka State Electricity Regulatory Commission
11	Mr. Mohan Balasubramanian	Member (Legal)	Tamil Nadu Electricity Regulatory Commission
12	Mr. Motaganahalli Dasharatha Shastry Ravi	Member	Karnataka Electricity Regulatory Commission
13	Mr. Paramjeet Singh	Member	Punjab State Electricity Regulatory Commission
14	Mr. Pramod Kumar Gupta	Member	Chhattisgarh State Electricity Regulatory Commission
15	Mr. Rajesh Sharma	Member	Rajasthan Electricity Regulatory Commission
16	Mr. Ramesh Kumar Soni	Member (Law)	Meghalaya State Electricity Regulatory Commission
17	Mr. Satyendra Nath Kalita	Member (Technical)	Assam Electricity Regulatory Commission
18	Mr. Satyendra Rajnath Pandey	Member	Gujarat Electricity Regulatory Commission
19	Mr. Wilson Arackakudiyil Joseph	Member	Kerala State Electricity Regulatory Commission
20	Mr. Venkata Rama Reddy Pallerla	Member	Andhra Pradesh Electricity Regulatory Commission
21	Mr. Yashwant Singh	Member	Himachal Pradesh Electricity Regulatory Commission
22	Prof. Anoop Singh	Professor	Centre for Energy Regulation (CER), IIT Kanpur

Bio - Chairperson & Members





Justice(Retd.). Jayant Nath

Designation: Chairperson

Organisation: Delhi Electricity Regulatory Commission

Educational Profile and Experience: Earned a B.A. (Hons.) in Economics from St. Stephen's College, Delhi University. Obtained an LL.B. from the Faculty of Law, Delhi University in 1982.

A well-known Indian lawyer and politician who has been associated with the Indian National Congress party. Was a Member of Parliament and has served as Minister of the Government of India. Born in Faridabad in Haryana and has been actively involved in social and political activities. Widely recognized for his contribution to the field of justice and has been associated with various legal organizations and bodies in the past.

Designated as Senior Advocate by the High Court of Delhi in May, 2006. Appointed as Additional Judge of Delhi High Court on April, 2013 and became permanent Judge on March, 2015. Retired on November, 2021. Thereafter practising as Senior Advocate in the Supreme Court. Was appointed as Arbitrator in large number of cases.

Other Information: Currently working as Chairperson of Delhi Electricity Regulatory Commission from August, 2023.

Email: chairman@derc.gov.in

Organisation's Website: <https://www.derc.gov.in/>



Dr. Mallela Venkateswara Rao

Designation: Chairperson

Organisation: West Bengal Electricity Regulatory Commission

Educational Profile and Experience: Ph.D. in Development Administration and has 34 years of experience in Indian Administrative Service. Held board positions in large corporations, key policy making and managerial positions in national and state level departments and organizations.

Held many key positions in his career which include:

- Additional Chief Secretary to Government of West Bengal
- Director of Industries, Government of West Bengal
- MD, West Bengal Industrial Development Corporation
- Chairperson of West Bengal State Cooperative Bank
- Board Member of NABARD, Mitsubishi PTA India, Haldia Petrochemicals, HPL L&T Cogeneration, WBIDC, West Bengal Industrial Infrastructure Development Corporation, IFFCO, Indian Potash Ltd
- Head of two national level autonomous organization – Director General of National Institute of Rural Development and National Fisheries Development Board
- Senior Consultant to UNICEF
- District Magistrate of Midnapore and Malda Districts

Following are the books authored by Dr. Mallela Venkateswara Rao:

- Persistence and Change in Tribal India
- Rooted to the Ground: An Indian Civil Servant's Field Notes
- Integrated Land Use Planning for Sustainable Agriculture and Rural Development.

Other Information: Currently working as Chairperson of West Bengal Electricity Regulatory Commission.

Email: chairperson-wberc@gov.in

Organisation's Website: <https://www.wberc.gov.in/>



Mr. Rajesh Kumar Joshi

Designation: Chairperson

Organisation: Arunachal Pradesh State Electricity Regulatory Commission

Educational Profile and Experience: Educational Qualification of Engineering, Management and Law.

Served Govt. of Arunachal Pradesh in various capacities since 1988 and retired from Chief Engineer (Hydro Power), Govt. of Arunachal Pradesh in July, 2023.

Other Information: Currently working as Chairperson of Arunachal Pradesh State Electricity Regulatory Commission from July, 2023.

Email: rkjoshintl@gmail.com

Organisation's Website: <https://apserc.nic.in/>





Mr. Anand Madhukar Limaye

Designation: Member

Organisation: Maharashtra Electricity Regulatory Commission

Educational Profile and Experience: MA from University of Pune with a gold medal; joined IAS in 1989.

Held important posts like Collector (Nanded and Beed), Director General (Information and Public Relations, Govt. of Maharashtra), Divisional Commissioner (Nagpur), Director General (Maharashtra Energy Development Agency (MEDA)). Recently, served as the Director General at YASHADA, Pune. Also served as Vice Chancellor of Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) at Nagpur, Representative of India in South Asian Association for Regional Cooperation (SAARC) Convention on 'Poverty Alleviation' at Kathmandu, Chairman of Vidharbha Statutory Development Board at Nagpur, and Chairman of Nagpur Flying Club Ltd. at Nagpur.

As Director General of MEDA, bagged two National Awards for Maharashtra for best performance in solar water heating systems and for wind solar hybrid systems. Also, secured National Award for Maharashtra State for energy efficiency activities, which was conferred by President of India.

Other Information: Currently working as Member of Maharashtra Electricity Regulatory Commission from July, 2023.

Email: anandmlimaye@merc.gov.in

Organisation's Website: <https://merc.gov.in/>



Mr. Atul Kumar

Designation: Member

Organisation: Jharkhand State Electricity Regulatory Commission

Educational Profile and Experience: Engineering from MIT Muzaffarpur.



Joined Bihar State Electricity Board in 1984 and served at various levels for a period of 37 years. After trifurcation of Jharkhand State Electricity Board in 2014, appointed as first Director (project) in Jharkhand Urja Sancharan Nigam Ltd. Served as Director till January, 2021.

Other Information: Currently working as Member (Technical) of Jharkhand State Electricity Regulatory Commission from June, 2022.

Email: atuljseb@gmail.com

Organisation's Website: <https://jserc.org/contact.aspx>



Mr. Bandaru Krishnaiah

Designation: Member (Finance)

Organisation: Telangana State Electricity Regulatory Commission

Educational Profile and Experience: B. Com (Hons) in 1983 from IIMC, Hyderabad, MBA (Finance and Marketing) in 1985 from CSIBER, Kolhapur.



Prior to joining TSERC, held position from Telangana State Financial Corporation as Assistant General Manager (Projects) on attaining age of superannuation. Possess overall experience of 32 years in industrial finance, projects evaluation and monitoring. Achieved Best Employee Award for four consecutive years from 2000-2004 during the tenure of service in the united APSFC. Headed different Branches of the Corporation and put best efforts to elevate the Branches to "A" category. Retired as Head of the Projects Department of Telangana State Financial Corporation and handled Power, Steel, Chemical, Textile, Pharma, Food, Agro and Infrastructure projects etc.

Other Information: Currently working as Member (Finance) of Telangana State Electricity Regulatory Commission from October, 2019.

Email: memberfinance@tserc.gov.in

Organisation's Website: <https://tserc.gov.in/>



Mr. Gajendra Mohapatra

Designation: Member (Law)

Organisation: Odisha Electricity Regulatory Commission

Educational Profile and Experience:

Enrolled as an Advocate and joined practice at Bhubaneswar Bar. Entered into Odisha Judicial Service and served as a Judicial Officer at different places such as Baragarh, Aska, Bhubaneswar, Kamakhyanagar and Rourkela. Served as Registrar (Judicial) of the Hon'ble High Court of Orissa before appointment as the Director of Public Prosecutions, Bhubaneswar, Odisha. Later, served as the Special Judge (Vigilance) Balasore, District & Sessions Judge Dhenkanal. Prior to the assignment as the Director (Prosecution Wing) to the Hon'ble Lokayukta, Bhubaneswar, Odisha.

Also served as Judicial Officer included commendable work on civil, criminal, sessions and vigilance cases. During the stint as the Director of Prosecution of the Hon'ble Lokayukta, Odisha, actively participated in organising awareness programmes in different parts of Odisha to disseminate knowledge about the anti-corruption mechanism.

Other Information: Currently working as Member (Law) of Odisha Electricity Regulatory Commission from June, 2020.

Email: mohapatragajendra@gmail.com

Organisation's Website: <https://www.orierc.org/>



Mr. Gopal Srivastava

Designation: Member (Law)

Organisation: Madhya Pradesh Electricity Regulatory Commission

Educational Profile and Experience:

Joined judicial service in 1990 and promoted to the cadre of higher judicial service in 2006. Granted super time scale in 2018. Served as judicial officer in various capacities during 31 years of tenure. Associated with State Judicial Academy, Jabalpur & posted as Deputy Director of Judicial Academy. Posted as Additional Director Of State Judicial Academy after few years by the Hon'ble High Court.

Other Information: Served as Special Judge (Prevention Of Atrocities SC/ST). Posted as Law Secretary in 2018. Posted as Principal Law Secretary, Law & Legislative Department, Govt. Of MP. Currently working as Member (Law) of Madhya Pradesh Electricity Regulatory Commission from February, 2022.

Email: gsrivastava62@gmail.com

Organisation's Website: <https://mperc.in/>



Mr. Jiban Krishna Sen

Designation: Member

Organisation: Tripura Electricity Regulatory Commission

Educational Profile and Experience: Holds a B.A. with Honours, completed in 1990, and holds an LLB degree.

With a commendable 20 years of experience as an Advocate, served in various capacities, including as Secretary of the Tripura Bar Association and holding positions such as Vice President and Assistant Secretary in the same association. Additionally, was a Member of both the Tripura Bar Association and the Tripura High Court Bar Association. Prior to joining the Commission, served as a panel Lawyer for General Insurance Company Limited.

Other Information: Currently working as Member of Tripura Electricity Regulatory Commission from August, 2019.

Email: memberterc2019@gmail.com

Organisation's Website: <https://terc.tripura.gov.in/>





Mr. Manjunatha Hethur Manjegowda

Designation: Member

Organisation: Karnataka Electricity Regulatory Commission

Educational Profile and Experience: Science & Law Graduate from Bangalore University, also holds Master of Law (Business Law) degree from Kuvempu University. Also acquired PG Diploma in Business and Industrial Management from Datamatics Institute of Management.

Started career as an Advocate from Bengaluru in 1990, was appointed as High Court Government Pleader and served as such from January, 2002 to October, 2007 and later served as Additional Government Advocate from October, 2007 to October, 2009 in the office of the Advocate General, Karnataka, was a panel Advocate for KPTCL, BESCOM, CESC and KHB representing them in the Hon'ble High Court of Karnataka.

Other Information: Currently working as Member of Karnataka Electricity Regulatory Commission from December, 2018.

Email: : hmmanjunath@gmail.com

Organisation's Website: <https://kerc.karnataka.gov.in/en>



Mr. Mohan Balasubramanian

Designation: Member (Legal)

Organisation: Tamil Nadu Electricity Regulatory Commission

Educational Profile and Experience: B.A., B.L.

Enrolled as Advocate in 1985, Advocate by profession in and around Coimbatore, Udumalpet, Pollachi and Palani from 1986 to 2001. Selected for the post of Civil Judge (Junior Division) in the Tamil Nadu State Judicial Service on December, 2001. From December, 2001 to March, 2021 Served at various positions like: Judicial Magistrate, District Munsif, Civil Judge (Senior Division), Chief Judicial Magistrate, Erode, III Additional District Judge, Tirunelveli, Additional District Judge, Namakkal, etc.

Other Information: Currently working as Member (Legal) of Tamil Nadu Electricity Regulatory Commission from January, 2023.

Email: bmohanjudge@gmail.com

Organisation's Website: <http://www.tnerc.gov.in/>





Mr. Motaganahalli Dasharatha Shastry Ravi

Designation: Member

Organisation: Karnataka Electricity Regulatory Commission

Educational Profile and Experience: Post-Graduation in Commerce from Bangalore University.

Started career as Lecturer in a College and later on joined the Karnataka Electricity Board (KEB) in May, 1985 as Probationary Assistant Accounts Officer and worked in various capacities in Energy Department, Govt. of Karnataka, Karnataka Power Transmission Corporation Ltd. (KPTCL-Corporate Office).

During service, worked in Finance, Revenue, Tariff, Accounts ,extensively worked in Regulatory Wing, Regulatory matters like drafting Tariff Filings, preparing draft regulations, interacting with State Commission for getting its approval on various issues / subjects apart from handling CERC matters, inception of Regulatory Framework in the State, preparation of Annual Budget Estimates for power sector, drafting Annual Plan of Power Sector, implementation of approved Budget programmes, monitoring of release of Budget Funds.

Also worked as Nodal Officer for implementation of Financial Restructuring Plan (RFP), State Nodal Officer for monitoring implementation of Ujwal Discoms Assurance Yojana (UDAY).

On promotion as Financial Adviser in 2016, continued to serve in Energy Department, during which time the State Government appointed him as Director (Finance), Energy Department, Director on the Board of Mangalore Electricity Supply Company Ltd. (MESCOM Ltd), and worked in that capacity till retirement.

Other Information: Currently working as Member of Karnataka Electricity Regulatory Commission from March, 2019.

Email: ravi7659@gmail.com

Organisation's Website: <https://kerc.karnataka.gov.in/en>



Mr. Paramjeet Singh

Designation: Member

Organisation: Punjab State Electricity Regulatory Commission

Educational Profile and Experience: Paramjeet Singh, a retired District and Sessions Judge.



Other Information: Currently working as Member of Punjab State Electricity Regulatory Commission from November, 2020.

Email: member1psercchd@gmail.com

Organisation's Website: <https://pserc.gov.in/>



Mr. Pramod Kumar Gupta

Designation: Member

Organisation: Chhattisgarh State Electricity Regulatory Commission

Educational Profile and Experience: B.Tech (Electrical) from H.B.T.I Kanpur in 1979.



Joined Madhya Pradesh Electricity Board in 1980 on the post of Assistant Engineer Trainee. worked here till year 2000 where contributed in transmission related works. After the formation of Chhattisgarh state in 2000, started worked in Chhattisgarh State Power Transmission Company Limited at various posts and was involved in establishment works of various sub-stations and transmission lines (400 kV, 220 kV and 132 kV). Appointed as Chief Engineer in 2017 and Executive Director in the 2020. While holding the post he took the work of construction of EHT lines and sub-stations in Chhattisgarh state, maintenance of EHT lines and expansion of the transmission system of the state to a new dimension. After completing 41 years of service in Chhattisgarh, retired from the post of Executive Director from State Power Transmission Company Limited in June, 2021.

Other Information: Currently working as Member of Chhattisgarh State Electricity Regulatory Commission from July, 2021.

Email: pkg.cseb@gmail.com

Organisation's Website: <https://cserc.gov.in/>



Mr. Rajesh Sharma

Designation: Member

Organisation: Rajasthan Electricity Regulatory Commission

Educational Profile and Experience: B.V.Sc. & A.H. from Mohan Lal Sudhadia University Udaipur, M.Sc. from University of Rajasthan SMS Medical College.

IAS batch 2003, Rajasthan Cadre works in various positions of Rajasthan Government such as: Commissioner, Information and Public Relation Department, Secretary Government, Gad, Cabinet, Estate motor Garage & Civil Aviation and Animal Husvendary, Fisheries & Gopalan Department, Divisional Commissioner Jodhpur and many more....

Other Information: Currently working as Member of Rajasthan Electricity Regulatory Commission.

Email: drs.ias.1962@gmail.com

Organisation's Website: <https://rerc.rajasthan.gov.in/>



Mr. Ramesh Kumar Soni

Designation: Member (Law)

Organisation: Meghalaya State Electricity Regulatory Commission

Educational Profile and Experience: B.SC in 1979 and LL.B. in 1982 from Jiwaji University, Gwalior M.P.

Enrolled as an Advocate in the MP state bar council and Started practising before Hon'ble High Court of Madhya Pradesh and District & Session Court Gwalior (M.P).

Cracked the State Judicial Service examination and joined the Madhya Pradesh Judicial Service as Civil Judge in 1990. Served various positions like: Civil Judge, Chief Judicial Magistrate, District Judge in Higher Judicial Services, Principal District Judge, served variety of positions such as: Special District Judge under CBI, Dacoity Act, Electricity Act, Prevention of Corruption Act, Prevention of Atrocity (SC/ST Act) and presided as a Principal Judge of Family Court. Under the state government held various deputations as Legal advisor to the Hon'ble Lokayukta of Madhya Pradesh, complaints relating corruption and malpractice done by the public servants. worked as Law Secretary in Law and Legislative Affairs Department of Madhya Pradesh. In a long span of 30 years of service as a Judge, he has dealt with many cases such as: Civil, Commercial, Criminal, Matrimonial, Taxation, Company Matters etc. As a Secretary of District Legal Service Authority he has organised many legal literacy camps to make people aware of the laws of the country and their valuable rights and remedies. Many times appreciated by the Chief Justices of the High Court of M.P for the meritorious works.

Other Information: Currently working as Member (Law) of Meghalaya State Electricity Regulatory Commission from July, 2023.

Email: Rk.soni1012@gmail.com

Organisation's Website: <https://mserc.gov.in/>



Mr. Satyendra Nath Kalita

Designation: Member (Technical)

Organisation: Assam Electricity Regulatory Commission

Educational Profile and Experience: Bachelor of Engineering degree from the Jorhat Engineering College, Assam. Subsequently, completed AICWA from the ICWAI, Kolkata and Diploma in Business Finance from ICFAI, Hyderabad. Also completed Middle Management Programme of 3-Tier Programme from the IIM, Ahmedabad.

Experience spanning more than 32 years in managing various business functions in the power utilities of Assam. Served as Managing Director of the Assam Electricity Grid Corporation Limited (AEGCL) from July, 2017 to December, 2019. In AEGCL has commissioned the 162.4 km long 220kV Rangia-Salakati transmission line. Held the positions of Chief General Manager with Assam Power Generation Corporation Limited (APGCL), Assam Electricity Grid Corporation Limited (AEGCL) and Assam Power Distribution Company Limited (APDCL) with various responsibilities dealing with functioning of management, processes, people aspects and facilities dealing with general finance and accounts, internal audit, regulatory affairs, IT enablement through ERP and management of Employee Pension Trust.

Other Information: Currently working as Member (Technical) of Assam Electricity Regulatory Commission from December, 2019.

Email: satyenkaliya@yahoo.co.in

Organisation's Website: <https://aerc.gov.in/>



Mr. Satyendra Rajnath Pandey

Designation: Member

Organisation: Gujarat Electricity Regulatory Commission

Educational Profile and Experience: Post-Graduate Degree in Electrical Engineering, Law, and Management. Also completed a PGDM in Finance and HRD.

Started professional career in 1983 Erstwhile GEB and joined Office of the GERC in 2005 till November, 2019, after that appointed as Electricity Ombudsman for the state of Gujarat.

As an eminent lawyer and has made significant contributions to the energy sector. With over 37 years of experience in the power sector, held key roles in regulatory, legal, finance, commerce, and technical aspects related to power generation, transmission, system operation, and distribution.

Other Information: Currently working as Member of Gujarat Electricity Regulatory Commission from December, 2020.

Email: pandeysr@gmail.com

Organisation's Website: <https://gercin.org/>



Mr. Wilson Arackakudiyil Joseph

Designation: Member

Organisation: Kerala State Electricity Regulatory Commission

Educational Profile and Experience: Completed B.A., LL.B

Other Information: Currently working as Member of Kerala State Electricity Regulatory Commission.

Email: advwilonai@gmail.com

Organisation's Website: <https://www.erckerala.org/>



Mr. Venkata rama Reddy Pallerla

Designation: Member

Organisation: Andhra Pradesh Electricity Regulatory Commission

Educational Profile and Experience: MA in Political Science from Osmania University in 1982

Selected as IPS officer in 1985, later selected for IRS (Customs & Central Excise) in 1986 and worked in various capacities as Assistant Commissioner, Deputy Commissioner, Additional Commissioner and Commissioner of Customs and Central Excise at Chennai, Visakhapatnam, Mumbai, Nagpur, Kandla and Mundra, held various charges including Assessment, Preventive and Baggage Clearance, intelligence and Administration. As Commissioner & Principal Commissioner of Customs & Central Excise, held very important and sensitive Customs charges at Mumbai International Airport and SeaPorts at Visakhapatnam, Kandla & Mundra.

On promotion, as Chief Commissioner of Customs, Gujarat Zone at Ahmedabad which is one of the most sensitive positions with high volume of trade taken up excellent anti-smuggling measures in prevention of smuggling across the border.

Received various trainings at National Academy of Customs, Excise, Narcotics at Chennai, New Delhi, Maldives. Specially Trained in Intelligence gathering and Enforcement Management at Tokyo, Japan, Attended Management Training at Syracuse University, New York and Canada Customs. Visited Singapore, Bangkok, Toronto international Airports as Part of Study tour.

Other Information: Currently working as Member of Andhra Pradesh Electricity Regulatory Commission from June, 2023.

Email: redrypvr1960@gmail.com

Organisation's Website: <https://aperc.gov.in/>



Mr. Yashwant Singh

Designation: Member

Organisation: Himachal Pradesh Electricity Regulatory Commission

Educational Profile and Experience: Graduated from Govt. College for Men, Chandigarh in 1983. Completed Bachelor of Laws (LLB) from Law Department, Punjab University, Chandigarh in 1986

Enrolled as an Advocate with Bar Council of Punjab and Haryana and practised at the High Court of Punjab and Haryana, District & Sub-Divisional Courts at Mandi and Joginder Nagar, Distt. Mandi, H.P. till April, 1990. Served as Assistant Public Prosecutor-cum-Assistant Distt. Attorney in the state of Himachal Pradesh till January, 1992. Was selected as Legal Officer Grade 'B' in the Reserve Bank of India and joined as such on January, 1992 at Law Department, Reserve Bank of India, Mumbai. Was selected as Sub-Judge-cum- Judicial Magistrate in the State of H.P. and joined as such at Shimla on August, 1995. Served at various places in such capacity in the State of Himachal Pradesh and also remained posted as Chief Judicial Magistrate-cum-Senior Civil Judge, Shimla, H.P. from 2007 to 2010. Promoted as Additional District and Sessions Judge in the month of April, 2010 and served at Chamba (Distt. Chamba), Ghumarwin (Distt. Bilaspur) and Una (Distt. Una). Also served as Joint Director, H.P. Judicial Academy, Shimla in 2013 and Registrar (Judicial) in the High Court of Himachal Pradesh in 2014. Was appointed as Member Secretary, H.P. State Legal Services Authority in October, 2014 and remained as such till February, 2018 when was appointed as Legal Remembrancer-cum-Principal Secretary (Law) to the Government of Himachal Pradesh and served in such capacity till June, 2021. Take premature retirement in June, 2021.

Other Information: Currently working as Member (Law) of Himachal Pradesh Electricity Regulatory Commission from July, 2021.

Email: yhogal@gmail.com

Organisation's Website: <https://hperc.org/>

Bio - Speakers





Prof. Anoop Singh

Designation: Professor, Department of Management Sciences, IIT Kanpur, Founder & Coordinator, Energy Analytics Lab (EAL) and Centre for Energy Regulation (CER)

Organisation: Department of Management Sciences, IIT Kanpur



Educational Profile and Experience: PhD, M.Tech (Industrial Engineering) and B.Tech (Mechanical Engineering)

Having over 22 years of experience in academia and industry, a distinguished figure in the field of Power Sector Regulation and Policy.



As the Founder & Coordinator of Energy Analytics Lab (EAL) and Centre for Energy Regulation (CER) at IIT Kanpur, significantly advanced research and insights in Power Sector Reforms, Energy Analytics, Power Market and Renewable Energy.



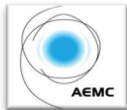
A prolific contributor to Regulatory and Policy discussions, actively engaging with influential bodies such as the Ministry of Power, Ministry of New and Renewable Energy, various regulatory commissions and Power Exchanges.

Areas of interest in Power Sector Reforms, Power Market Development, Energy Pricing, Renewable Energy Policy and Regulations, Energy Economics, Climate Change, Project financing and Cross-Border energy cooperation.

Beyond academic role, serves as an Independent Director, participates in key committees, Central Advisory Committee and coordinates a pioneering eMasters Degree Program “Power Sector Regulation, Economics and Management” at IIT Kanpur. Extensive contributions including books publications, Editor of Power Chronicle and Regulatory Insights, underscore his impact on the energy sector's evolution and capacity building.

Email: anoops@iitk.ac.in

Organisation's Website: <http://www.iitk.ac.in/ime/anoops>



Mr. Charles Popple

Designation: Commissioner, Australian Energy Market Commission (AEMC)

Organisation: Australian Energy Market Commission (AEMC)

Educational Profile and Experience: Bachelor of Engineering (B.E.) Power System Engineering from Monash University and Master of Engineering Science Power System Engineering from University of Melbourne

Held Various positions in different organisations such as: Group General Manager, Network Strategy and Development, SP Ausnet, Director, Popple Power Consulting.

Other Information: Currently working as Commissioner, Australian Energy Market Commission (AEMC) from February, 2018

Email: N/A

Organisation's Website: <https://www.aemc.gov.au/>



Mr. Carl Hutchinson

Designation: Country Manager, Australia-New Zealand

Organisation: Enel X

Educational Profile and Experience: Bachelor of Laws (LL.B) from University of Sydney, Master of Public Administration Energy and Environment from Harvard Kennedy School.

Held Various positions in different organisations such as: Senior Associate Consultant, Bain & Company, Case Team Lead, The Bridgespan Group, Director of Operations, Advisory Solutions, EnerNOC.

Other Information: Currently working as Country Manager, Enel X from 2018

Email: N/A

Organisation's Website: <https://corporate.enelx.com/>



Mr. Jesse Price

Designation: Director, Stakeholder Engagement

Organisation: Australian Energy Regulator (AER)

Educational Profile and Experience: Bachelor's Degree, Social Sciences from University of Canberra and Bachelor's Degree, Law from The Australian National University.

Held Various positions in different organisations such as: Team Leader, External Research at Royal Commission into Institutional Responses to Child Sexual Abuse from August, 2014 to January, 2020, Executive Officer, Museum of Applied Arts and Sciences from October, 2016 to January, 2020.

Other Information: Currently working as Director, Stakeholder Engagement, Australian Energy Regulator from January, 2020

Email: N/A

Organisation's Website: <https://www.aer.gov.au/>



Mr. John Kettle

Designation: Head of International and Energy at Gadens

Organisation: Gadens

Educational Profile and Experience: Bachelor of Laws (LL. B), Law from Trinity College Dublin, BCL, Law from University of Oxford

Held Various positions in different organisations such as: Chair of Public Law Committee, Partner with Mason Hayes & Curran, Board member, Non-Executive Director, Competition law editor, President at Oxford University Society of Queensland, Member (Part-time) Clean Energy Regulator.

Other Information: Currently working as Head of International and Energy at Gadens, the Australian independent law firm from October, 2023

Email: jakettle@gmail.com

Organisation's Website: <https://www.gadens.com/>



Ms Janine Young

Designation: Ombudsman & Chief Executive Officer, Energy and Water Ombudsman NSW

Organisation: Energy & Water Ombudsman NSW (EWON)

Educational Profile and Experience: Completed secondary education from Geoghegan College, Associate Degree Business Management & Accounting from Deakin University, MBA, Business Administration and Management, General from Latrobe University

Held Various positions in different organisations such as: Change Management Consultant – Automotive at MSX International, Ombudsman and CEO at Public Transport Ombudsman.

Other Information: Currently working as Ombudsman & Chief Executive Officer, Energy and Water Ombudsman NSW from November, 2014

Email: N/A

Organisation's Website: <https://www.ewon.com.au/>

About CER & EAL



Centre for Energy Regulation

Emerging developmental needs of the Indian power sector include viability, sustainability and modernisation. Disruptive and transformative changes such as increased renewable energy integration, commercialisation of utility scale storage and digital innovation, among others, impact the existing business models and present new opportunities for the sector. Rapidly evolving market transformation and technological developments add to the complexity of the power sector dynamics. Understanding the long-term implications of the choices made today is critical to lay a strong foundation for a more vibrant and agile power sector that can cater to the needs of a growing economy.

About CER

The Centre for Energy Regulation (CER) is an endeavor towards comprehensive and sustained institutional strengthening in the Indian power sector. It is an initiative led by the Department of Management Sciences at Indian Institute of Technology Kanpur (IITK), which has been actively engaged in education, research, capacity building, consulting and policy advisory related to energy/power sector. The CER and its activities are partly supported by the UK Government till March, 2021 through a project on "Strengthening Regulatory Research & Network in the Power Sector" under the "Supporting Structural Reforms in the Indian Power Sector" program. The Centre will work in close cooperation with key stakeholders in the Indian power sector, particularly the Electricity Regulatory Commissions (ERCs), electric utilities and academia.

Objectives

- Support enhanced regulatory- academia-utility interaction
- Develop analytical cum regulatory knowledge base including data repository for informed and well evidenced policy and regulatory decisions
- Support research-based studies and opinions impacting power sector and its regulation
- Promote active platform for peer-to-peer learning amongst Electricity Regulatory Commissions and the utilities
- Develop a collaborative research network for assisting assimilation of national and international best practices



CER Approach

To meet the above objectives, the Centre would undertake structured activities implemented using innovative and inclusive approach:

- Demand driven research for driving policy and regulations

- Bottom-up capacity creation of regulatory institutions and utilities
- Hands on involvement of regulatory staff in research
- Regulatory database, information and analytical tools to support research, learning and decision making
- Continuous engagement through online learning platforms and dissemination workshops
- International exposure to leading institutions and good practices through structured programs
- Twinning arrangements with leading national and international institutions for collaborative research and knowledge exchange
- Promotion of regulatory research by through doctoral/ postdoctoral fellowships, internships etc.

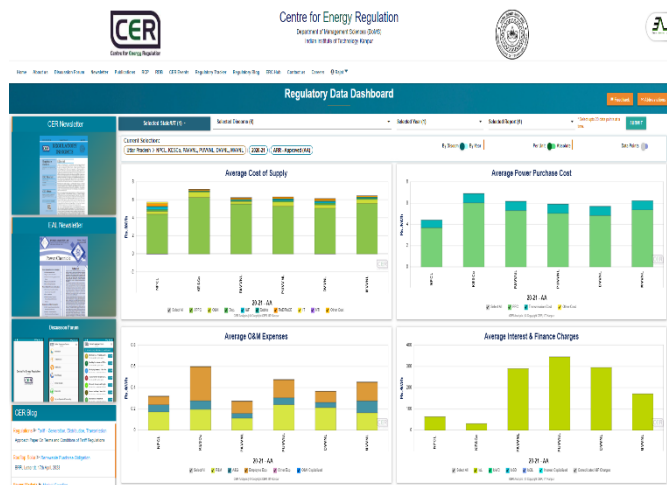


Key outputs of the Centre, namely, regulatory database, working papers, learning modules, visualisation tools, regulatory newsletter and discussion forum will be available on its web portal.

CER's Regulatory Database:

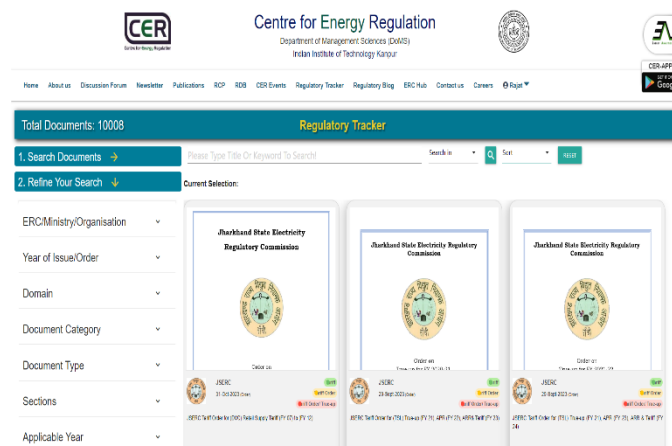
Regulatory Data Dashboard provides insights to the regulatory process for tariff determination, particularly in the distribution sector across various states over the past ten years.

A comparative framework for evaluating regulatory norms for tariff setting and enabling users to compare ARR and True-up side-by-side (data set up for last 18 years ie. 2005-2023) across DISCOMS and years.



CER's Regulatory Tracker:

With increasing number of policies and regulatory interventions in the electricity sector, the overall number of the relevant documents will increase with time. Due to the presence of multiple Electricity Regulatory Commissions in India, it is difficult to keep track of all the regulatory documents. The Centre for Energy Regulation (CER) Regulatory Tracker is bringing together all regulatory



documents namely Regulations, Rules, Guidelines, Tariff Orders, Commission's order, etc issued by the Electricity Regulatory Commissions and Ministry, on single online platform.

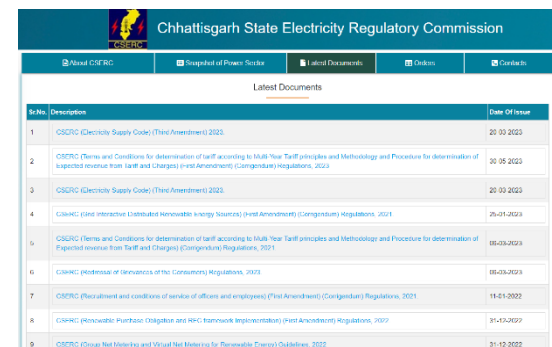
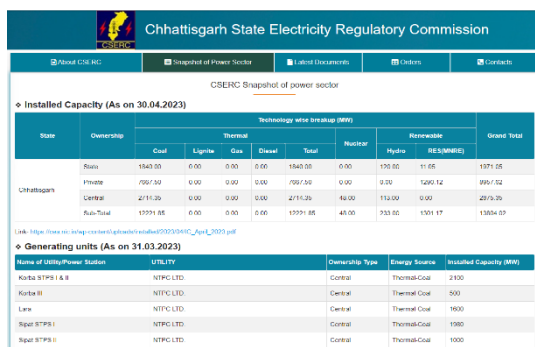
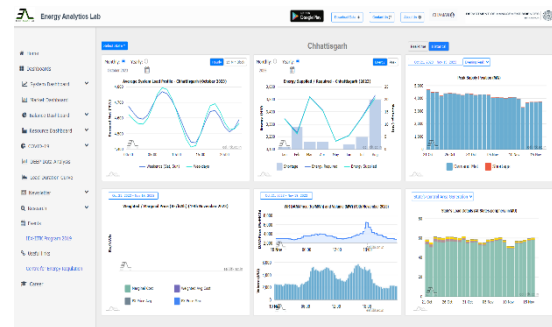
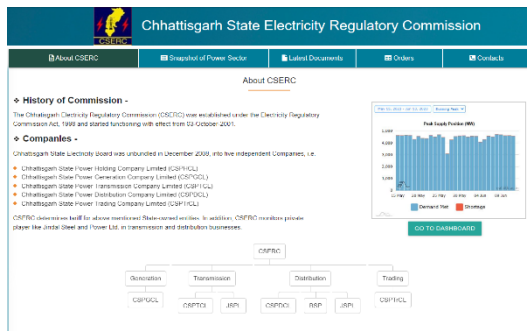
ERC Hub:

IIT Kanpur and 12 Electricity Regulatory Commissions (ERCs) have entered into an MoU such that the ERCs can get the institutional support in respect of the activities of CER, IIT Kanpur. Based on the MoUs, following information of the ERCs is tracked and updated on CER's website:



Personalised Dashboards:

- About the Commission:** It covers the list of generation companies, transmission licensee, distribution licensee and trading licensee that comes under the jurisdiction of respective ERC.
- Snapshot of Power Sector:** Covers the state-wise/ Union Territory wise installed capacity, generating units, energy sales, installed renewable energy capacity and average cost of supply for the distribution licensee.
- Latest Documents:** Latest notified regulations for the region.
- Orders:** Latest notified tariff orders for the region.
- Contacts:** Contact details of important personals of the ERCs.



How can you contribute:

We seek your inputs and cooperation in undertaking various activities of the Centre. Interested stakeholders can participate in Regulatory Skill Mapping (RSM) hosted at the Centre's portal. Your inputs and feedback on the Centre's output would help us design appropriate programs and activities in future.

Energy Analytics Lab

The Energy Analytics Lab (EAL), supported by CSR funding from the Indian Energy Exchange Ltd., is an industry supported academic initiative of the Department of Management Sciences (DoMS), IIT Kanpur. The EAL aims at building power market database, and developing learning and visualization tools for the same.

These elements would enable stakeholders to understand various aspects related to power markets and take informed decisions. In particular, this would help decision making for procurement/sale of power, optimal utilization of existing/proposed generation assets (conventional as well as renewable), design of new products for power markets, and support development of a vibrant market for renewable energy certificates (RECs). This would also assist policymakers and regulators to take appropriate initiatives for development of power market, in creating a conducive environment for investment, and meeting the green growth aspirations for the sector. The activities of the EAL would support academic and research endeavours in the department. During the course of five years, EAL aims at establishing itself at the national and international levels to provide quality data analysis and support research activities related to power market.

Main Objectives

The main objectives of the Energy Analytics Lab (EAL) include the following:

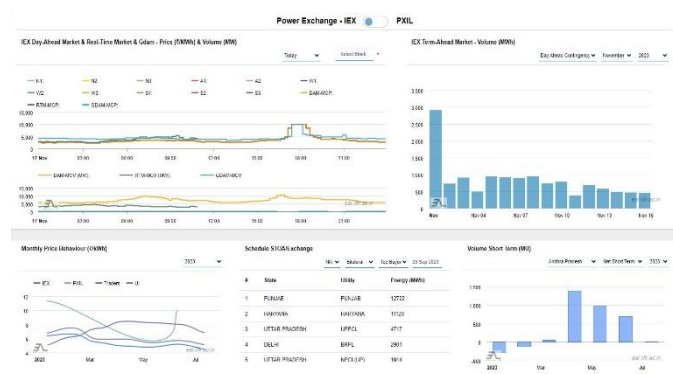
- To compile and archive relevant identified data related to the Indian power market
- To develop learning tools for improving understanding of the power sector, especially power market
- To develop Power Market Dashboard, Power System Dashboard and Power Balance Dashboard to provide a user interface for relevant data
- To develop a periodical market watch in the form of a newsletter for the Indian power market
- To support research and other relevant activities at the Department/Institute

EAL Dashboards

An effective presentation of power market data and some of the related aspects of the power system would be executed through visualisation tools. Web-/app- based interactive visualisation tools would assist the users in understanding the power market better for taking informed decisions. The visualisation tools would provide a perspective relevant to generators, utilities, investors, regulators, policy makers and academia. These tools would be in the form of the following three dashboards: -

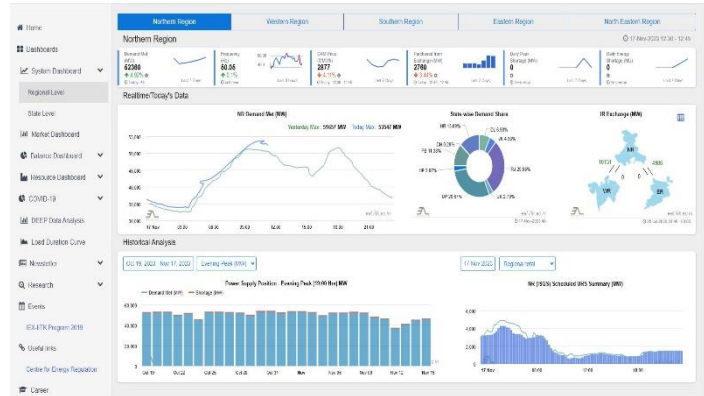
Power Market Dashboard

This dashboard displays recent trends in power markets, especially the power exchanges, traders and bilateral exchanges.



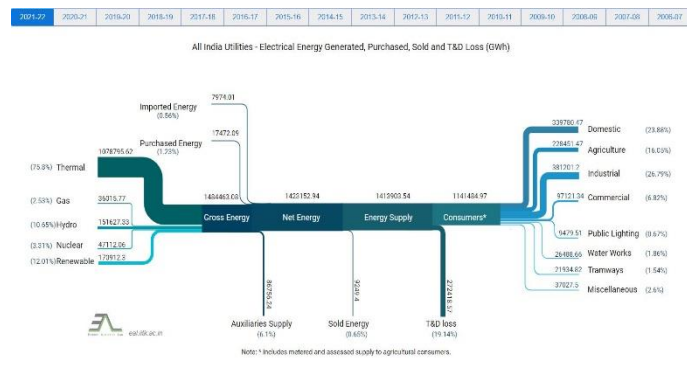
Power System Dashboard

Stakeholders are kept updated with power system level information, national-/state level daily demand curves, capacity and schedules, etc. for selected time-slots, through this dashboard.



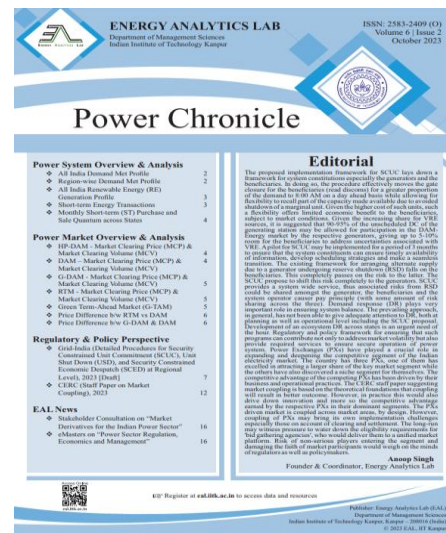
Power Balance Dashboard

This dashboard would help in visualising transitions in the power system vis-a-vis the sources of generation of electricity and its uses, including the transmission and distribution losses.



Power Chronicle

Power Chronicle is a quarterly newsletter released by EAL, which provides key information and analysis of power sector data and relevant regulatory and policy developments.



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Programme Itinerary



Programme Itinerary

<i>Date</i>	<i>Time</i>	<i>Schedule of Programme</i>
<i>Day - 1: 18th November, 2023</i>		
<i>18th Nov</i>	<i>05:30 PM</i>	Delegates to reach Terminal-3, IGI Airport, New Delhi by self. All the delegates are requested to assemble in the main hall between Gate 4 and Gate 5 Meet and greet; final checklist before check-in
<i>18th Nov</i>	<i>06:00 PM - 07:00 PM</i>	Check-in for travel from New Delhi to Sydney, assembly of the group and group photo. Proceed for immigration formalities
<i>18th Nov</i>	<i>08:45 PM</i>	Report at the Departure Gate
<i>18th Nov</i>	<i>09:50 PM</i>	Departure from New Delhi to Sydney (via Singapore)
<i>Time in Singapore</i>		
<i>Day - 2: 19th November, 2023</i>		
<i>19th Nov</i>	<i>06:05 AM</i>	Arrival at Singapore Airport
<i>19th Nov</i>	<i>06:15 AM</i>	Group to move together to Departure Terminal
<i>19th Nov</i>	<i>07:05 AM</i>	Departure from Singapore Airport
<i>Time in Sydney</i>		
<i>19th Nov</i>	<i>05:55 PM</i>	Arrival at Sydney
<i>19th Nov</i>	<i>06:00 PM - 07:00 PM</i>	Immigration check on arrival and check-in luggage collection
<i>19th Nov</i>	<i>07:30 PM - 08:00 PM</i>	Pickup by Coach
<i>19th Nov</i>	<i>08:00 PM</i>	Proceed for Dinner at Manjits Wharf (Maharaja Banquet) restaurant and check in at the Hotel.
<i>Day - 3: 20th November, 2023</i>		
<i>20th Nov</i>	<i>08:30 AM - 09:00 AM</i>	Breakfast at hotel
<i>20th Nov</i>	<i>09:00 AM - 1:15 PM</i>	Event/ meeting as per program agenda
<i>20th Nov</i>	<i>1:15 PM - 02:15 PM</i>	Lunch
<i>20th Nov</i>	<i>02:15 PM – 03:30 PM</i>	Event/ meeting as per program agenda
<i>20th Nov</i>	<i>03:30 PM - 03:45 PM</i>	Tea/ Coffee break
<i>20th Nov</i>	<i>06:00 PM - 10:30 PM</i>	Group to proceed together to hotel and then to the Sydney Harbour Dinner Cruise for the dinner as per scheduled time.

Day - 4: 21st November, 2023

21 st Nov	08:30 AM - 09:00 AM	Breakfast at hotel
21 st Nov	09:00 AM - 12:45 PM	Event/ meeting as per program agenda
21 st Nov	01:00 PM - 02:00 PM	Lunch
21 st Nov	02:00 PM - 03:15 PM	Event/ meeting per program agenda
21 st Nov	03:15 PM - 03:30 PM	Tea
21 st Nov	04:00 PM	Group to proceed to hotel and then to the Harvest Buffet at The Star Sydney for the dinner as per scheduled time.

Day - 5: 22nd November, 2023

22 nd Nov	08:30 AM - 11:00 PM	Site Visit as per program agenda
22 nd Nov	11:30 PM - 12:00 noon	Tea/Coffee
22 nd Nov	12:00 PM - 04:00 PM	Site Visit as per program agenda
22 nd Nov	04:00 PM - 05:00 PM	Meal break
22 nd Nov	05:00 PM	Travel by Coach (to Sydney)
22 nd Nov	07:00 PM	Group to proceed to hotel and then to Skyfeast at Sydney Tower for the dinner as per scheduled time.

Day - 6: 23rd November, 2023

23 rd Nov	12:00 PM	Check-out from the hotel
23 rd Nov	12:30 PM	Departure for Sydney Airport
23 rd Nov	01:00 PM	Arrival at Sydney Airport
		Meal/Tea/Snacks (TBD)
23 rd Nov	01:30 PM - 02:30 PM	Check-in at Sydney Airport, assembly of the group and group photo.
23 rd Nov	02:30 PM - 03:30 PM	Report at the Departure Gate
23 rd Nov	04:10 PM	Departure from Sydney to New Delhi (via Singapore)

Time in India

24 th Nov	05:55 AM	Arrival at New Delhi and group photo
24 th Nov	06:30 AM	Departure to respective destinations by self

Travel Note and Guidelines for Delegates



Travel Note and Guidelines for Delegates

A. Travel Schedule

International Travel Schedule (Economy Class)

S. No.	Flight	Date	Departure Place	Departure Time (IST)	Arrival Place	Arrival Time(IST)
1	Singapore Airlines SQ-403 & SQ-241	18 th Nov, 2023	New Delhi	21:50 PM	Sydney via Singapore	17:55 PM (+1)
2	Singapore Airlines SQ-222 & SQ- 402	23 rd Nov, 2023	Sydney	16:10 PM	New Delhi via Singapore	05:55 AM (+1)

Note:

- Please update your meal preference (Veg/N Veg) and Frequent Flier number during the online registration process so that it gets updated with the Airline. Singapore Airlines is a Star Alliance member. You can share your AI-FF number.
- In case of any flight upgradation requirement, please directly contact M/s. Balmer Lawrie at tt.knp@balmerlawrie.com (Mr. Sufiyan, Mob: 7275104644). They will update you regarding availability, the fare difference and process for advance payment.

Domestic Travel Schedule

- Please plan to reach Delhi IGI Airport (Terminal- 3) on 18th November, 2023 according to the international flight schedule and do update the CER team about your domestic travel plan.
- Before check-in, all delegates will meet up at the Terminal -3 (**Outside of the gate**).

B. Accommodation

S.No.	Hotel Name	Check -in	Check- out	Address
1	SOFITEL SYDNEY WENTWORTH	19 th Nov, 2023	23 rd Nov, 2023	61-101 Phillip Street Sydney, NSW, Australia, 2000 Tel: +61 (02) 9228 9188 https://www.sofitelsydney.com.au/

Note: Usual check-in time for hotels in Australia is 2 PM.

C. Meals

- All meals including breakfast, lunch, dinner and tea breaks, etc. are organized at identified venues during the program. Daily breakfast (4 days), lunch and tea breaks are at the hotel. Venue for Dinner^s outside the Hotel in Sydney would be communicated later.
- Please note that all efforts would be made to ensure that you are able to get appropriate meals during the international flight. The specified meal preference would be updated with the Airlines.

D. Guidelines

1. Luggage Allowance – Singapore Airlines:

- **Cabin Baggage (Economy Class):** Only 01 piece (max. 7 kg). Height 55 cms (22 inches) + Length 35 cms (14 inches) + Width 25 cms (10 inches). Total of Dimensions - 115 cms. Sum of length, width and height of baggage should not exceed 115 cms.
- **Checked - in Baggage Allowances (Economy Class):** max. 30 kg. Total combined dimensions (length + breadth + height) should not exceed 200cm (length) x 75cm (width) x 80cm (height).
- Please check with Singapore Airlines for any other information and updates.
https://www.singaporeair.com/en_UK/us/travel-info/baggage/checked-baggage/

2. Travel Insurance

- Appropriate Travel Insurance would be purchased by CER, IIT Kanpur for all the delegates. Please ensure that correct nominee details are shared during the registration process. Travel insurance would be shared before overseas travel.

3. Covid Protocols

- Please follow all Covid related protocols at the respective jurisdictions. Do carry copy of Covid vaccination certificate at all times. Also carry good quality face masks and sanitizer, etc., as required.

4. Electronic Gadgets – Please carry these items as per your need.

- Laptop (Please ensure safety of your devices and documents)
- Cell phone charger
- Carry a Universal travel adapter plug (Fig. 1) as Australian plug points (Fig. 2) are not suitable for 2 pin/3 pin plug of devices used in India. The electrical voltage in Australia is 220 – 240 volts (AC) with 50 Hz frequency.



Fig. 1: Universal travel adapter plug

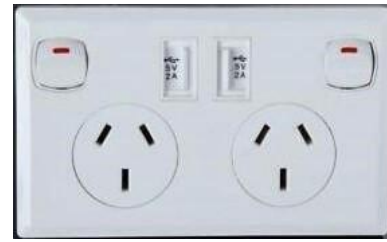


Fig. 2: Australian plug points

- If required, activate your mobile phone /data plan for international roaming (postpaid) while you are in India. You can also buy an Australian Sim at Airport in Delhi either from ‘Uniconnect’, ‘Matrix Cellular’, etc. as per the desirable plan. There are three mobile phone networks in Australia operated by Telstra, Optus and Vodafone.

5. Passport and Visa

- Carry a photocopy of your passport and visa, and their scanned copy in your mobile/email, etc.

6. Medication

- Please ensure that you carry your medication, prescription and any other relevant medical report with you.

7. Currency

- Please carry sufficient AUD as per your needs.
- Currency exchange and forex cards are available with banks and other approved agents in India. You can also withdraw Australian Dollars (AUD) Dollars using your international debit card in the respective countries (Fees and charges are applicable). Currency purchase at Delhi Airport is usually expensive (please recheck).
- International credit/debit cards can be used for purchase/ payment at most locations.
- Make sure that your credit / debit cards are activated for international transactions, before you begin the journey.

8. Hotel Check-In/Check-Out

- You may be required by the hotel to present Credit card / Debit card details at the time of Check-In. In case of unavailability of any card, cash deposit (refundable) would be required.
- Hotel may block token amount from your card to cover incidentals expenses, if any (In Room dining, laundry etc.)
- This amount is released by the hotel while checking out. Please verify the same during Check-out.

9. Dress Code for Sessions

- Formal Suit with/without tie is the preferable dress code for the sessions and site visits.

10. Weather - (In the month of November)

S. No.	At Melbourne, Australia
1	Day temperature (about 24°C)
2	Night temperature (about 17°C)
3	Climate can be cloudy

You may like to carry a small travel umbrella, as per weather forecast

For any query, please contact CER team:

Mr. Rahul Srivastava
Email: cer_cbp@iitk.ac.in
Contact No.: 9005091155

Mr. Sharad Singh
Email: cer_cbp@iitk.ac.in
Contact No.: 07275002789