

CHANDRA S KUMBLE

Director Transmission

m/ 0417549527
e/ ckumble@hmac.com.au

p/ +61 (0)7 32364244
f/ +61 (0)7 3236 4266

Chandra joined Hill Michael in 2007 and is responsible for transmission sector business development and client support. Prior to joining Hill Michael Chandra has held several Senior Management positions in utilities in New Zealand and Australia. Chandra has 24 years of utility planning experience, 3 years of consultancy and 5 years of teaching in Power System analysis. He specializes in strategic planning, system and investment analysis and problem solving in the Power Sector.

Having worked in the electricity industry for over 24 years, Chandra adds value to clients through an ability to provide technical, strategic advice, economic analysis and strategy, while having a strong understanding of the fundamental technical, physical and market constraints of the electricity supply industry. Chandra brings in project implementation and solution development to transmission and generation clients within a regulated environment.

Experience Summary

- System studies using PSSE and other Transmission Planning software.
- Preparation of Annual Planning Report (APR) and Tasmanian Annual Planning Statement (TAPS), input to SOO, ANTS.
- Preparation of 10, 15 year development plan and 30+ years Grid Vision for Network Market Simulation for determining Regulatory Benefit Test with NER
- Customer Connection contract application-Technical analysis (all system studies) for NER compliance and negotiation of Generator Performance Standards (GPS) and Customer connection agreements.
- Preparation of capital development plan for Revenue Determination by AER.
- Resolution of Power Quality issues for customers -Harmonic, voltage, oscillation issues.
- Development of concepts, methodology and implementation of power system technical envelop (limit Equations) for modeling by NEMMCO.
- Resolving stability, small signal oscillations, wind generation connection issues for the Australian National Electricity Market.
- Economic analysis for utility investment (experience in quantifying tangible and intangibles such as policy value in the analysis)
- Vast experience in developing alternative proposals and identifying technical optimum solutions.
- Development of schedules for commercial contracts and System Operator contracts consistent with the codes and rules.
- Investigations related to new supply connection, generation connection and major Grid (220 kV and above reinforcement including High Voltage Direct Current links.
- Strategic development of sustainable Transmission Grid which will facilitate efficient generation and demand side initiatives.

Qualifications, Professional Membership & Industry Involvement

- MBA General Management, Victoria University - New Zealand
- PH.D. Electrical and Computer Engineering, University of Newcastle -Australia
- M. Tech -Power System, Institute of Technology - BHU- India
- B.E.- Electrical Engineering, Bangalore University - India
- Member, Australian Institute of Engineers
- CIGRE Australian National Panel C1 member.



www.hmac.com.au

Head Office:
Level 3, Bowman House
276 Edward St, Brisbane Qld 4000
GPO Box 3195, Brisbane Qld 4001
Australia

p/ +61 (0) 7 3236 4244
f/ +61 (0) 7 3236 4266

HILL MICHAEL

• Cairns
• Townsville

• Brisbane
• Canberra

• Melbourne
• Launceston

Hill Michael is a specialist electrical networks and strategic engineering firm. Focused on the application of engineering expertise in the context of organisational and project strategy, Hill Michael is a leading advisor to owners of electricity supply networks and those wishing to connect to them. Established 1987.