

Our Environment Team



Mr.C.V.Sundara Rajan
Head - Environmental Section

Mr. C. V. Sundara Rajan has more than 28 years of professional experience that include in Environmental Impact Assessment (EIA), Environmental Management and monitoring Plan (EMP), Stake holder consultation, Public hearings, Sectoral Environmental Assessment (SEA), Initial Environmental Examinations (IEE), Rapid EIA Studies for Highways and Roads, Waterways, Ports and shipyards, Thermal Power Projects, Agricultural Projects and Hydel Projects. In addition: preparation of standalone EMP, implementation of EMP, Construction supervision of EMP, implementation of large-scale roads and highways project.

Education in India and Abroad: He has obtained a Masters degree (MSc in Hydrology) and Diploma in Hydrology from Brussels (Headquarters of EEC & Belgium) after securing one of the best Fellowships of recent times. He has successfully completed this prestigious IHP - UNESCO supported programme primarily designed for civil engineering professionals from all parts of the world especially from the developing World. Earlier to that Mr. Sundara Rajan has completed his Masters Degree in Marine Geology from Cochin University of Science and Technology (CUSAT) and a Bachelor's degree in Geology from University of Calicut.

Work Experience: He has worked for CWRDM for 5 years and CESS (Now a GOI Research institution) for 6 months both were Government of Kerala (GoK). Prior to joining L&T he was with Consulting Engineering Services (India) Ltd. and Louis Berger Group Inc. USA (Asian operations division) in Gurgaon. As a versatile environmental expert he carried out over 100 high quality environmental studies of National and International significance. He has also worked in Afghanistan and Belgium. Since the National EIA accreditation started in India, Mr. Rajan retained 5 sectoral accreditation (EC) and 3 FAE's from QCI. Bringing quality in to EIA was always passion for Mr. Rajan and in that direction very often his reports were referred to as model EIA, EMP documents due to innovative and complete clarity on all environmental issues, impacts and mitigation measures. The World Bank (WB) had disseminated the reports of Mr. Rajan as model documents during a National workshop held at Delhi in 2009 prepared for Himachal State Road Project. Having completed the work in record time he could assist WB and State government in getting timely (shortest period ever) loan approval for one of the most important infra projects of the state. He has worked in several WB Mega projects spread over India for more than 10 years and prepared versatile reports with strong implementable EMPs. Earlier to that during 1997-98, while working for RSHP project, it was Mr. Rajan who first time explored and found that all basic EMP clauses were already there built-in standard GoI MoRTH specifications. Mr. Rajan and WB environmental team could further build on to implementable EMPs during subsequent projects (1) NH-2 Four Laning and in (2) KSTP in Kerala state. In yet another mega project (KSTP in Kerala State) first time he flagged the issue of road safety and accidents (A deadly local issue) and included (unusually to bring attention to this high priority issue) one dedicated separate chapter in EIA/SEA that prompted the World Bank (WHO was also involved) to change the Task manager to a Road Safety Expert and eventually benefited own state in the form of an extra US \$ 5 million for the first and most success full road safety project implemented in India.

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With rich practical experience (including construction) in EIA/EMP, he could assist WB and MoEF for the Country Environmental Analysis (CEA) project, that has positively contributed to the September 14, 2005 MoEF EIA notification. Mr. Rajan was the first to suggest the requirement of EIA clearance at State level. This CEA 2005 study and analysis prompted IRC for the revision of all out dated IRC codes with the support of WB. Recently as a team leader he has completed one more EIA which can be obviously referred to as "the award winning EIA report" prepared for the most challenging Vizhirjam International Seaport project for the CoK. The quality of the report was further endorsed by default when the National Green Tribunal has given a "Clean and Green Verdict, September 2016" for three writ petitions filed. Again further NGT rejected a REVIEW petition (in November 2016) case filed against the Clean and Green verdict. As a Senior Environmentalist Mr. Rajan launched his EIA mission during the first Indian MoEF EIA notification of 1994 by the MoEF, GoI. As a trainer he could impart training to Developers, Contractors, Consultants and Government officials and PWD Engineers in addition to Government Institution like National Institute for Micro, Small and Medium Enterprises (NI-MSME) (Under Ministry of MSME, Hyderabad GoI). As a Natural Resource expert, he has carried out detailed Resource Mapping at Micro Level Regional Planning for Sustainable Development. As an expert he has also carried out Geological Investigations Mapping and Environmental Feasibility Study of Small Hydel Projects.

Stakeholder Engagement Expert: Independently Planned and Organized Large Scale Public Participation Programs as a part of Environmental and Social Impact Assessment in Kerala, Rajasthan, UP and Karnataka and participated in a number of Public hearings as a part of National environmental clearance. Familiarity with MoEF (GOI), World Bank and ADB guidelines and procedures for Environmental and Social Assessment of various development projects especially ports and Highways Projects. This could remove all genuine hurdles against the implementation of the most complicated even the 'hard to crack' type of project. In that process all genuine stakeholder concerns were analysed and addressed to the complete satisfaction of stakeholders. This being one of the most misunderstood part of EIA studies Mr Rajan has extraordinary skills to work with local communities.

Institutional Strengthening, Capacity Building and Training: Mr Rajan always believed that a strong professional environmental team is the most important factor in EIA studies for quality improvement. Therefore he devised a very powerful internal training programme and several other measures for improving the Skills of the environmental team on a continuous basis. For L&TIEL he has prepared strategic planning for Five years to define the most preferred areas for focused work and business development in the field of environment.

Environmental Regulatory procedures: Mr Rajan is thorough with the various Indian regulations, sectoral and cross sectoral regulations that are very important in construction and operational phases of the projects for effective EMP implementation. As a Geologist - Hydrologist Mr. Rajan has eight years of premium experience in the Water resources field. Mathematical Modeling of Groundwater flow system using a Geographic Information System (GIS), Application of Remote Sensing (Both Satellite Imageries & Aerial Photographs), Visual as well as Computer aided digital analysis and interpretation of Satellite Images, application of Earth Resistivity Methods to ascertain sub-surface Geological Conditions and Mapping in Hard Rock Terrain, Hydro-geological Investigations for quantification of Groundwater Potential, Groundwater Development, in Belgium, undergone Physical Field Training for setting up of Meteorological Station, Data Monitoring and Hydrological Measurements and Aquifer Performance Test (APT). Water being the most important resource Mr. Rajan has experience in all aspects of water exploration, extraction, distribution and conservation. His strong Construction phase experience make him discrete from normal EIA experts. Mr. Rajan always wanted standalone, strong implementable EMPs (Operational EMP) as part of regulatory requirements as it has the potential to reduce cost, simplify the procedure and also to remove extremely bad practices attached to the system.