

## Dr.M.V.Ramana Murthy

Director & Scientist-G

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### Education Qualifications

Ph.D. (Ocean Engineering) – Jan, 2008; IIT, Madras

M.Tech (Ocean Engineering) – Jan, 1997; IIT, Madras

M.Tech (Planning) – Jan, 1991; School of Planning, CEPT, Ahmedabad

B.E. (Civil Engineering) – June, 1987; Nagarjuna University, India

### Work Experience ( 21 years in R&D and 8 years in Industry)

Director, National Centre for Coastal Research (NCCR), MoES	June 2016 onwards
Director, CMLRE, MoES, Addl Charge	Jan to October 2000
Group Head & Scientist G, Ocean Structures & Island Desalination, NIOT, MoES	August 2013
Group Head & Scientist F, Ocean Structures & Island Desalination NIOT, MoES	2009-2013
Group Head & Scientist F, NCCR, MoES	2008-2009
Project Coordinator & Scientist E & D, NCCR	1999-2008
Senior Engineer, Engineers India Ltd (EIL),	1997-1999
Senior Engineer, Visakhapatnam Port Trust	1991-1997

### Major Society Oriented contributions in Coastal Research and Ocean Technology

- Detailed Project Report for Kalpsar Dam for creation of largest fresh water reservoir
- Development of framework for Marine Spatial Planning and Blue Economy for Lakshadweep and Pondicherry
- Establishment of Desalination Plants in UT Lakshadweep Islands
- Flood Warning System (I-FLOWS) for Chennai, Mumbai and other metropolis
- Demonstration of Beach Restoration at Pondicherry and Kadalur Periyakuppam, Tamilnadu
- Coastal Protection Strategies for Tamilnadu, Kerala, Goa, Andhrapradesh, Orissa
- Offshore Wind Development for Gujarat and Tamilnadu and Demonstration of substructure
- Determination of Health of Coastal Waters for indicator frame work of SDG 14
- Development of Technologies for Offshore Structural components
- Lake Restoration and Management Plan for Pulicat lake
- Customization of Tsunami Model for Early Warning System at INCOIS
- Sealink between Portblair and Rutland for drinking water supply
- Integrated Coastal Zone Management plan for Chennai, Gulf of Kachchh and Goa
- Completed more than 100+ consultancy projects
- Training to coastal states, research and educational institutes on Coastal Zone Management, Shoreline Management, Vulnerability mapping due to Tsunami

## Awards

1. National Award of Excellence in Ocean Technology, Ministry of Earth Sciences, 2021
2. National Geo Science Award 2010. Outstanding contribution in the field of Disaster Management, Ministry of Mines
3. Ministry of Earth Sciences Award 2006. Outstanding contribution in the field of Coastal Processes Modelling
4. American Bureau of Shipping Award for Department Outstanding performance in M,Tech in Ocean Engineering, IIT Madras.
5. Merit Certificate from Chairman, Visakhapatnam Port Trust, for outstanding contribution in execution of Integrated Sports and Cultural Complex

## Membership in Learned Societies

- AICTE – INAE Distinguished Visiting Professor ( 2018- )
- Senate Member, Tamilnadu Dr.MGR Medical University (2021-2023)
- Member, GC, KUFOS, Kerala,
- Member, GC, NIOT
- President, Ocean Society India (OSI) (2016-2018)
- Member International Association for Hydro-Environment Engineering and Research, IAHR

### Policy/Appraisal Committee

- Member, National Biodiversity Authority.
- Member, Working Group to formulate policy for resettlement of displaced people affected by River and Coastal Erosion , NDMA, 2021-
- Member, National Expert Advisory Panel ( NEAP) for developing Environmental Policy, by CSIR-NEERI for MoEF&CC , 2021-
- Member; National Coastal Zone Management Authority, MoEF & CC (NCZMA)- 2015-17; Presently Officiating on behalf of MoES.
- Member; Expert Appraisal Committee of CRZ, Infrastructure & Miscellaneous and New Construction and Industrial Estates Projects, MoEF & CC (2013-2016)
- Member, "Expert Appraisal Committee - Infra 1 Sector (Infrastructure CRZ and other miscellaneous projects), (2017- 2020) & Infra 2 Sector: (Ports and Harbours, Airports, Building and Construction projects) (2018 & 2019-2022). MoEF & CC.
- Member, "Expert Appraisal Committee to deal with violations of EIA notification 2016 MoEF & CC (2017-2020)
- Member, Delineation of Eco Sensitive Zones around the National Parks and Wildlife Sanctuaries in Andaman and Nicobar Islands, 2016.
- Member, Pondicherry Coastal Zone Management Authority, PCZMA (2012-18,2018-2021)

## Technical Review Committee

- Member, Research Advisory Committee, CMLRE (2017-2020)
- Member, Research Advisory Committee, NCESS (2015-2017)
- Member, Ocean State Forecast Projects INCOIS.
- National Expert, Climate Resilient Coastal Protection and Management Project, CWC
- Lead Member, Committee to develop strategies for opening tidal inlet at Pulicat, CWC and PMO.
- Member Task Force for Development of Coastal Protection and Management Plan for Gujarat coast, Govt. of Gujarat
- Member, Bureau of Indian Standards, Ports, Harbours and Offshore Installation Sectional Committee (CED-47)
- Member, Bureau of Indian Standard, on Cyclone Resistant Structures Sectional Committee, (CED-57)
- Member, Indian Road Congress (IRC) committee on Specialized Bridge Structures including Sealinks (B9)
- Member, Indian Road Congress (IRC) committee on Loads and Stress (B2)
- Chairman, Technical Evaluation and Monitoring Committee for sub-structure work for mounting the LIDAR in the Gulf of Khambhat, Gujarat State
- Chairman, Technical Committee for Technology refreshment of IT infrastructure at Tsunami Warning Centre including integration and Migration of Tsunami application of software
- Chairman, "Technical Evaluation and Monitoring Committee for sub-structure work for mounting the LiDAR in the Gulf of Khambhat, Gujarat State", MNRE-NIWE.
- Chairman, "Standing Technical Committee (STC) to examine the specification of Equipment / materials, MNRE-NIWE.
- Guided/reviewed doctoral and masters students, external member for viva voice examination of doctoral and masters' students at IIT, Universities

## Publications/ Reports

- 70+ publications in national and international referred journals.
- 60+ publications in national and international proceedings.
- 40+ Technical reports
- 60+ Delivered talk in workshops and International Working Groups