

Shri A. A. Purohit assumed the Addl. Charge of Director, Central Water and Power Research Station (CWPRS), Pune on 1st April 2026.

He is a Civil Engineering graduate and postgraduate from the University of Pune, with specialisation in Structural Engineering from the Government College of Engineering, Pune. Prior to joining CWPRS, he served as a structural designer and contributed to prestigious projects such as the mass housing schemes of CIDCO, Mumbai and the Giant Metrewave Radio Telescope (GMRT) project, IUCAA.

With more than three decades of research experience, Shri Purohit has developed extensive expertise in coastal and marine engineering. His core areas of research include the design of marine structures such as breakwaters and coastal protection works, Ocean wave and storm hindcasting and prediction of design waves and storm surges. He has made significant contributions in the application of hybrid modelling approaches, integrating physical and mathematical modelling, for evolving optimal layouts of ports and harbours, waterfront facilities and coastal infrastructures. His work also encompasses coastal processes, morphological studies and identification of optimal locations for disposal of dredged material.

Shri Purohit has to his credit about 70 research papers published in national and international conferences, seminars and journals. He is a member of BIS and ISO committees, contributing to the formulation of standards in relevant domains. Over the course of his professional career, he has been associated with more than 160 projects in the fields of port development, coastal engineering and shoreline protection. He has also delivered more than 60 expert lectures in training programmes and academic institutions, including AICTE programmes, IIT Bombay and various universities.

He has been instrumental in the development and modernisation of key research facilities at CWPRS, including the physical model for Paradip Port, upgradation of random sea wave flumes and studies related to Mumbai Port and Jawaharlal Nehru Port.

His contributions to several nationally significant mega projects include studies for determining optimal and safe grade elevation of the Navi Mumbai International Airport, investigations for the Mumbai Trans Harbour Link and major waterfront developments at Mumbai Port and Jawaharlal Nehru Port. He has also significant contribution to strategic projects such as studies related to INS Vikrant, the proposed greenfield mega port at Vadhavan, Maharashtra aligned with objectives of PM Gati Shakti Program and developments at Cochin Shipyard, along with the design of breakwaters and coastal protection works across the country.

His significant contributions in port development are reflected in the Outstanding Performance Award conferred upon CWPRS by the Ministry of Ports, Shipping and Waterways for work associated with Jawaharlal Nehru Port.