

ER Sheet Data Entry Form					
<b>Name of Organization</b> : CENTRAL WATER AND POWER RESEARCH STATION, PUNE					
<b>Employee No.</b> : E1024					
<b>Service</b>	CCS	<b>Designation</b>	Scientist -D	<b>Sub Cadre</b>	Group -A Gazetted
<b>Joining Date</b> : 29 <sup>th</sup> January 1993					
<b>Name Details</b>					
<b>Title</b>	<b>First Name</b>	<b>Middle Name</b>	<b>SurName</b>	<b>Initials</b>	<b>AAP</b>
Mr.	Anil	Anant	Purohit		AAP
<b>Identity Card No.</b> 1556/13					
<b>Sex</b>	Male	<b>Date Of Birth</b>	06/06/1966	<b>Date of Retirement</b>	30/06/2026
<b>Community</b>	Brahmins		<b>Religion</b>	Hindu	
<b>Father's Name</b>	Anant Krishna Purohit				
<b>Birth Details</b>					
<b>Birth Place</b>	Pune City	<b>Birth State/ UT</b>	Maharashtra	<b>Nationality</b>	Indian
<b>Birth District</b>	Pune	<b>Mother Tongue</b>	Marathi		
<b>Domicile</b>	Maharashtra	<b>Physically Handicap Status</b>	Not applicable		
<b>Blood Group</b>	A +ve		<b>Identification Marks</b>	Mole on right shoulder	
<b>Marital Details</b>					
<b>Marital Status</b>	Married		<b>Spouse Name</b>	Trupti	
<b>Spouse Nationality</b>	Indian				
<b>Joining Details</b>					
<b>Source of Recruitment</b>	CWPRS	<b>Joining Date</b>	29/1/1993	<b>Retirement Date</b>	30/06/2026
<b>Departmental Examination Details (If applicable)</b>					
	<b>Level</b>		<b>Year</b>		<b>Rank</b>
1	Hindi (Pragya)		1994		75
<b>Remarks (if any)</b>					
<b>Languages known</b>					
	<b>Name of Language</b>	<b>Read</b>	<b>Write</b>	<b>Speak</b>	
Indian Languages Known 1	Marathi	√	√	√	
2	Hindi	√	√	√	
Foreign Languages Known 1	English	√	√	√	

Details of deputation (if applicable)

Name of the Office	Post held at that time in parent office	Name of post (selected for deputation)	Period of deputation	
			Since	From

Details of Foreign Visit

Sl. No.	Place of Visit	Date of visit	Post held at that time	Whether it is a personal or official visit	Details of visit

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Transfer/Posting Detail (if applicable)

Place	Period of posting	
	Since	From

<b>Qualification</b> (Use extra photocopy sheets for multi qualifications, experience, training, awards details)					
<b>Qualification</b>		<b>Discipline</b>		<b>Specialization 1</b>	
Master of Engineering		Civil Engineering		Structures	
<b>Year</b>	<b>Division</b>	<b>CGPA/ % Marks</b>		<b>Specialization 2</b>	
1990	I <sup>st</sup>	66.80		Finite Element Modeling	
<b>Institution</b>		<b>University</b>		<b>Place</b>	<b>Country</b>
Govt. College of Engineering		Pune		Pune	India
<b>Experience</b>					
<b>Type of Posting</b>			<b>Level</b>		
Direct Recruitment - CWPRS			(Non Gazetted)		
<b>Designation</b>			<b>Present Position</b>		
Research Assistant			Scientist -D ; Group-A Gazetted		
<b>Ministry</b>			<b>Department</b>		
Ministry of Water Resources, River Development & Ganga Rejuvenation			Central Water & Power Research Station		
<b>Office</b>			<b>Place</b>		
Central Water & Power Research Station			Pune		
<b>Experience Subject</b>			<b>Period of Posting</b>		
Major		Minor		From	To
<i>Note:-Refer the Annexure to fill above Major, Minor Subjects and below given training subject (minimum 1 week &amp; above)</i>					
<b>Training</b>					
<b>Training Year</b>		<b>Training Name</b>		<b>Training Subject</b>	
2012		MIKE-21 Software		Application of flexible mesh modeling in Coastal Engineering	
<b>Level</b>	<b>Institute Name, Place</b>		<b>Field Visit Country</b>	<b>Field Visit Place (within India)</b>	
Beginners	CWPRS, Pune		NA	NA	
<b>Sponsoring Authority</b>		<b>Period of Training</b>		<b>Duration</b>	<b>Result</b>
		From		( in Weeks)	√
CWPRS		5 March		9 March	one
					Not Qualified
<b>Awards/Publications :- Annexure</b>					
<b>Type of Activity:</b>		Academic	Applied research		Non Academic
<b>Activity Area</b>		<b>Activity Subject</b>			<b>Activity Title</b>
Modeling in Coastal Engineering		Mathematical, Physical modeling & Desk studies in waves/tides/ hydraulic stability of marine structures			

Day	Month	Year	Activity Description/Remarks	Level

Note: (i) Concerned CCS Officer is responsible for the correctness of information sent through ER Sheet proforma.

(ii) Subject to verification by the concerned administrative authorities.

Date :

Place :Pune

Information checked and verified – by

Signature of Officer

Section Officer		Ministry/ Department			
E-mail id		Room NO.		Building Name:	
Phone NO.		Wing No.			

### ANNEXURE-I

Total **25 years** of experience with more than  
**22 years** at Central Water & Power Research Station, Pune

#### Experience Subject

Major	Minor	From	To
<b>Post - Scientist -D</b> <ul style="list-style-type: none"> <li>➤ Planning, Supervising physical and mathematical model studies for tidal hydrodynamics, and siltation for finalisation of port layouts.</li> <li>➤ Planning and Conducting mathematical model studies for assessment of wave conditions for finalisation of port layouts.</li> <li>➤ Overall monitoring of various Departmental Works for carrying out applied research</li> </ul>	<ul style="list-style-type: none"> <li>➤ Carrying out applied and basic research related to the field of coastal engineering</li> <li>➤ Publication and Reviewing research papers, Basic/R&amp;D schemes etc</li> <li>➤ Attending high level committee meetings of MoEF and other bodies like port trusts as a Technical expert</li> <li>➤ Delivering lecture in the field of Coastal Engineering to impart training to various engineers</li> </ul>	Aug 2013	Till date
<b>Post - Senior Research Officer</b> <ul style="list-style-type: none"> <li>➤ Planning, Supervising and Conducting hydraulic model studies for the design of marine structures, evolving innovative techniques for design of coastal protection works , hindcasting etc.</li> <li>➤ Planning, Supervising and Conducting physical and mathematical model studies for tidal hydrodynamic simulation, estimation of siltation for finalisation of port layouts.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Carrying out basic research related in the field of coastal engineering</li> <li>➤ Publishing research papers based on applied/Basic R&amp;D projects.</li> <li>➤ Development of computer programs for coastal studies.</li> <li>➤ Attending high level committee meetings of CPDAC, TAC,</li> </ul>	Sept. 2002	Aug 2013

<ul style="list-style-type: none"> <li>➤ Planning, Supervising and Conducting mathematical model studies for assessment of wave conditions for the finalisation of port layouts.</li> </ul>	<p>MoEF, INCH etc for plan schemes and client projects.</p> <ul style="list-style-type: none"> <li>➤ Planning, Monitoring and Execution for the Up-gradation and Modernisation of Research facilities under X<sup>th</sup> plan scheme</li> <li>➤ Coordinating the training courses under plan scheme and delivering lectures.</li> </ul>		
<p><b>Post - Research Officer</b></p> <ul style="list-style-type: none"> <li>➤ Supervising and conducting hydraulic model studies for the design of marine structures</li> <li>➤ 3-D hydraulic model studies for the assessment of wave tranquility.</li> <li>➤ Conducting Hindcasting studies for estimating the design wave conditions for the marine structures and Development of computer programs.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Carrying out applied and basic research relating to the design of marine structures</li> <li>➤ Publication of papers based on research findings</li> </ul>	<p>January 1995</p>	<p>Sept. 2002</p>
<p><b>Post - Research Assistant</b></p> <ul style="list-style-type: none"> <li>➤ Conducting hydraulic model studies for the design of marine structures employing random and regular wave flumes and basin facilities.</li> <li>➤ Assisting in development of Mathematical model for design of marine structures.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Carrying out applied and basic research relating to the design of marine structures.</li> <li>➤ Publication of papers based on research findings</li> </ul>	<p>January 1993</p>	<p>January 1995</p>
<p><b>Design Engineer</b> M/s V.M Jog Construction Ltd, Pune</p> <ul style="list-style-type: none"> <li>➤ Carrying out the structural design of various concrete structures such as Pre-Fabricated / Cast-in-situ buildings, Over Head/Under Ground water tanks, steel-structure towers etc</li> </ul>	<p>NIL</p>	<p>July 1990</p>	<p>January 1993</p>

## LIST OF PUBLICATIONS

During the period under service at CWPRS published **38** papers/extended abstracts in  
**International/National Journals and Conferences**

1. "Effect of Mega Bridge on Hydro-morphodynamics of Waterfront Facilities in Wide Estuarine Harbours- A Sustainable Development" by. **A. A. Purohit**, Chief Research Officer; M. M. Vaidya, Research Officer; K.A. Chavan, Research Assistant and M. D. Kudale, Joint Director **full length paper** published in **International Journal- Science Direct, Aquatic Procedia (4) 2015 published by Elsevier Publishing, PP 341-348.**
2. "Importance of Modeling in Fixing Orientation of Bund at the Mouth of Narrow Steeply Graded Creek for Safe Berthing in Macro Tidal Region" by **A. A. Purohit**, Chief Research Officer; M. M. Vaidya & A. Basu; Research Officers and K.A. Chavan Research Assistant; **full length paper published in International Journal of Scientific Engineering & Technology (IJSET), Special Issue ISSN 2277-1581, Dec 2014, PP 46-51, .**
3. "Effect of Mega Bridge on Hydro-morphodynamics of Waterfront Facilities in Wide Estuarine Harbours- A Sustainable Development" by. **A. A. Purohit**, Chief Research Officer; M. M. Vaidya, Research Officer; K.A. Chavan, Research Assistant and M. D. Kudale, Joint Director **extended Abstract** published in **International conference on "Water Resources, Coastal and Ocean Engineering"** (ICWRCOE-15) at Surathkal;India;12<sup>th</sup> - 14<sup>th</sup> March 2015
4. "Importance of Modeling in Fixing Orientation of Bund at the Mouth of Narrow Steeply Graded Creek for Safe Berthing in Macro Tidal Region" by **A. A. Purohit**, Chief Research Officer; M. M. Vaidya & A. Basu; Research Officers and K.A. Chavan Research Assistant; **extended abstract** published in **19<sup>th</sup> International conference on "Hydraulics, Water Resources Coastal and Environmental Engineering" held at Bhopal ;India;18<sup>th</sup> - 20<sup>th</sup> December 2014**
5. "Use of hydraulic model for improving ship scheduling and operability at berth in shallow-wide estuarine Mumbai harbour" by **A. A. Purohit**, Chief Research Officer; M. M. Vaidya, Research Officer and M.D. Kudale, Joint Director; **3<sup>rd</sup> National Conference on Role of Oceans in earth system- "OSICON-13 " at IITM, Pune; India; 26<sup>th</sup> - 28<sup>th</sup> November 2013**
6. "Assessment of Wave Climate at Marine Oil Terminal in Wide Estuarine Port Under Wind-Wave Interaction" by **A.A. Purohit**, Senior Research Officer, A.M. Vaidya, Research Officer, K.H. Barve, Asst. Research Officer , M.D. Kudale, Joint Director; **3<sup>rd</sup> International Conference on Physical Coastal Processes, Management and Engineering", Coastal Processes-2013, Gran Canaria; Spain; 9-11 April 2013**
7. "Importance of Hydro-Morphodynamic parameters in Optimisation of Coastal Intake in Macro Tidal Gulf Regions Using FEM" by **A.A. Purohit**, Senior Research Officer, M.D. Kudale, Joint Director, M.M. Vaidya, Research Officer; **3<sup>rd</sup> International Conference on Physical Coastal Processes, Management and Engineering", Coastal Processes-2013, Gran Canaria; Spain; 9-11 April 2013**
8. "Application of unstructured mesh modeling technique for development of port facilities in narrow well mixed estuaries" by **A.A. Purohit**, Senior Research Officer, M.M. Vaidya, Research Officer, M.D. Kudale, Joint Director, **34<sup>th</sup> International conference on Coastal and Ocean Engineering- (ICCOE-2013) held at Zurich, Switzerland;14-15 January 2013**
9. "Hydraulic design aspects for intake structure of coastal power plant in macro tidal gulf regime" by **A.A. Purohit**, Senior Research Officer, M.M. Vaidya, Research Officer, M.D. Kudale, Joint Director, **International Conference PIANC- COPEDEC-VIII at IIT, Chennai, India Tamil Nadu; 20-24 February 2012**

10. "Application of FEM Technique in Estimating Longitudinal Dispersion Coefficient in Estuary" by **A.A. Purohit**, Senior Research Officer, M.M. Vaidya, Research Officer, M.D. Kudale, Joint Director at *National Conference on Hydraulics, Water Resources at SVNIT, Surat*; 29-30 December 2011
11. "Importance of Physical Modeling in Simulating Complex Hydrodynamic Flows in Wide Estuarine Regions" by J.A. Shimpi, Research Officer **A.A. Purohit**, Senior Research Officer, , M.D. Kudale, Joint Director at *National Conference on Hydraulics, Water Resources at SVNIT, Surat*; 29-30 December 2011
12. "Importance of regional wind for simulation of wave transformation in wide estuarine harbours- A Mumbai" by **A.A. Purohit**, Senior Research Officer, M.D. Kudale, Joint Director, *National Conference on Hydraulics, Water Resources Coastal and Environmental Engineering, Ambala*; 16-18 December 2010
13. "Importance of timely completion and maintenance of rubblemound breakwaters" by **A.A. Purohit**, Senior Research Officer, S.P. Kulkarni, Research Officer, M.D. Kudale, Joint Director, *National Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering; CWPRS*, 17-18 December 2009
14. "Effective use of Training work in Attenuation of Potential Sediment Transport in Gulf Tidal Regimes" by **A.A. Purohit**, Senior Research officer, M.M. Vaidya, Research Officer, P.K. Khare, Joint Director, *National conference "HYDRO-2008"* Malviya National Institute of Technology, Jaipur; 21-22 December 2008
15. "Performance of Continuous and staggered training works in tidal regimes under obliquely incident current" by **A.A. Purohit** et al. **Journal of Hydraulic Research**, Vol. 14, ,No. 3, pp 69-81, ISH, Special issue in Oct, 2008
16. "Performance of Continuous and staggered training works in tidal regimes under obliquely incident current" by **A.A. Purohit**, Senior Research officer, M.M. Vaidya, Research Officer, P.K. Khare, Joint Director, U.V. Purandare, Additional Director, *National conference "HYDRO-2007"* Sardar Vallabhbhai National Institute of Technology, Surat; 21-22 December 2007
17. "Identification of dumping grounds for disposal of dredged material off Cochin – a case study" by **A.A. Purohit** Senior Research Officer; M.M. Vaidya, Research Officer, P.K. Khare, Joint Director and U.V. Purandare, Additional Director; *National conference "HYDRO-2007"* at Sardar Vallabhbhai National Institute of Technology, Surat, 21-22 December 2007
18. "Improvement of wave tranquility in sand trap area for the safe operation of dredger at Paradip port" by **A.A. Purohit** Senior Research Officer; J.A. Shimpi, Research Assistant, P.K. Khare, Joint Director, *HYDRO-2006*, held at Bharati Vidyapeeth, Pune, 8-9 December 2006.
19. "Scour under submarine pipelines" by M.D. Kudale, Chief Research Officer; **A.A. Purohit**; Senior Research Officer, A.V.S.R. Sarma, & N. Ravi Sankar, RA ; in "HYDRO-2005" held at SIT, Tumkur, on 8<sup>th</sup> -9<sup>th</sup> December 2005
20. "Hydraulic modeling of breakwater in Port Development" by I. Z. Poonawala, Joint Director; **A.A. Purohit**, Senior Research Officer; *"National Seminar on Ports of India -Future Development and Challenges"*, on at Institute of Engineers (India), Mumbai, 15<sup>th</sup> Sept. 2004.
21. "Restoration of distressed breakwaters in India – Case Studies" by I. Z. Poonawala, Joint Director; M.D. Kudale, Chief Research Officer; **A.A. Purohit**, Senior Research Officer, **International Seminar on "Coastal Area Construction Management" at Mumbai**, India, 01-02 November, 2004.
22. "Performance of Detached Offshore Seawall for Coastal Protection at Udwada, Gujarat – A Case Study" by **A.A. Purohit**, Senior Research Officer; S.P. Kulkarni, Research Officer; A.V.Sita Rama Sarma, Research Assistant, N. Ravi Sankar, Research Assistant ; **International Seminar on "Coastal Area Construction Management at Mumbai, India"**, 01-02 November, 2004.
23. "Prediction Of Extreme Storm Surge Level For Safe Grade Elevation of a Coastal Plant- A Case Study" by M.D Kudale, CRO, **A.A. Purohit**, SRO, N. Ravi Sankar, RA & A.V.S.R. Sarma, RA. in the *National Conference on "Hydraulics & Water Resources HYDRO-2004"* at VNIT, Nagpur, 27-28 Dec. 2004.

24. "Rehabilitation of Rubblemound Breakwater by providing a Wide Toe-Berm" by I.Z. Poonawala, Joint Director; M.D. Kudale, Chief Research Officer; **A.A. Purohit**, Senior Research Officer and S.P. Kulkarni, Research Officer, 3<sup>rd</sup> Indian National Conference on Harbour and Ocean Engineering INCHOE2004", during at the National Institute of Oceanography, Goa, India, 7-9 December 2004.
25. "Use of Flexible Gabions in Coastal Protection Works" by M. D. Kudale, Chief Research Officer; S.P. Kulkarni, Research Officer, **A.A Purohit** Senior Research Officer; A.V.Sita Rama Sarma, Research Assistant. *National Conference on Hydraulics, Water Resources and Ocean Engineering - HYDRO-2003* at C.W.P.R.S, Pune December 26-27, 2003.
26. "Effect of cyclonic conditions on the design of rubblemound structures" - M.D. Kudale, Chief Research Officer, **A.A. Purohit**, senior Research Officer and I.Z. Poonawala, Joint Director for *Conference on Hydraulic, Water Resources & Ocean Engg. (HYDRO 2002)* at IIT, Mumbai; December 2002
27. "Hindcasting Analysis of October 1999 Super-Cyclone at Paradip" - M. D. Kudale, **A. A. Purohit**, A.K. Das, I.Z. Poonawala; **International Conference in Ocean Engineering - 2001; IIT, Madras, India**; December 2001.
28. "Measures to Reduce Wave Transmission through Rubblemound Breakwater - A Case Study" - I. Z. Poonawala, M. D. Kudale, **A. A. Purohit**, S. P. Kulkarni, A. K. Das; Paper sent for **International Conference in Ocean Engineering - 2001; IIT, Madras, India**; December 2001.
29. "A New concept of Rubblemound Breakwaters with Wide Toe-Berm" - I. Z. Poonawala, A. G. Kale, M. D. Kudale, **A. A. Purohit**, , A. K. Das; **International Conference on Port and Maritime R&D and Technology, Singapore**; October 2001.
30. "Transmission Behaviour of Rubblemound Breakwater Armoured with 50 Tonne Concrete Cubes" - A.K. Das, **A.A. Purohit**, M.D. Kudale, I.Z. Poonawala, A.R. Bhalerao; *Conference on Hydraulic Structures, Bharati Vidyapeeth, Pune, India*; July 2001
31. "Comparison of Design and Construction of Berm breakwaters and Conventional rubblemound breakwaters"- I.Z. Poonawala, A.G Kale, M.D Kudale , **A.A Purohit**; *HYDRO - 2000 in Kurukshetra, India*; October 2000.
32. " Monitoring of Breakwaters" - I.Z. Poonawala, A.G Kale, M.D Kudale , **A.A Purohit**; *HYDRO - 2000 in Kurukshetra, India*; October 2000.
33. "Extreme Value Analysis of Hindcast Storm Wave Data for two sites on East and West Coasts of India" - I. Z. Poonawala, M.D. Kudale, **A. A. Purohit**; **Fifth International Conference on Coastal and Port Engineering in Developing Countries, Cape Town, South Africa**; April 1999.
34. "On the Crest Heights of Random Waves" - M. D. Kudale, **A. A. Purohit**, I. Z. Poonawala; *Second Indian National Conference on Harbour and Ocean Engineering; CESS, Thiruvananthapuram, Kerala, India*; December 1997.
35. "Performance of Accropode Armour Units on Breakwater Roundheads" - I. Z. Poonawala, M. D. Kudale, **A. A. Purohit**; *Second Indian National Conference on Harbour and Ocean Engineering; CESS, Thiruvananthapuram, Kerala, India*; December 1997.
36. "Reflection Characteristics of a Pile Quay with Wave Absorbing Rubble Slope" - I. Z. Poonawala, M. D. Kudale, **A. A. Purohit**; **International Conference in Ocean Engineering; IIT, Madras, India**; December 1996.
37. "Stability of Accropode Armour Units under Breaking Wave Conditions" - P. P. Vaidyaraman, I. Z. Poonawala, M. D. Kudale, **A. A. Purohit**; **Fourth International Conference on Coastal and Port Engineering in Developing Countries, Rio de Janeiro, Brazil**; September 1995.
38. "Effect of Seabed Slope on Stability of Armour Layer" - I.Z. Poonawala, M.D. Kudale, **A. A. Purohit**; *First Indian National Conference on Harbour and Ocean Engineering, CWPRS, Pune, India*; June 1994.

### **LECTURES DELIVERED**

More than **Forty (40)** lectures were delivered on following topics for imparting training to the engineers of Central/state governments.

1. Hydraulic Modeling for Coastal Engineering
2. Physical Tidal Modeling – Case studies
3. Coastal Sedimentation
4. Introduction to Mathematical Modeling Technique
5. Data collection and design wave prediction for coastal structures
6. Design wave prediction
7. Introduction to Tidal Hydrodynamics
8. Design of coastal structures
9. Field data collection for shore protection works
10. Innovative methods in coastal protection
11. Basic concepts of wave mechanics
12. Application of finite element modeling technique in coastal hydrodynamics
13. Field data collection, requirement and Analysis
14. Field data collection, Analysis and Instruments



### Qualification - and Other Details

Name of University	Board/	Qualification obtained ( with division and year of passing )	Duration of Study From - To	Subjects of study
Board of Technical Examination, Bombay.		<b>Diploma in Civil Engineering</b> First Division ( 75.4% Marks) Year - 1985	1983- 1985	Civil Engineering subjects (Hydraulics, R.C.C, D.S.S, Irrigation, Construction etc.)
University of Poona		<b>B. E. ( Civil )</b> First class with Distinction ( 70.6%, stood <b>8<sup>th</sup> in the Rank of Merit</b> ). Year - 1988	1985- 1988	Civil Engineering Subjects (Hydraulics, R.C.C, D.S.S, Irrigation, Water Resources, Fluid Mechanics etc)
University of Poona		<b>M.E. ( Civil )</b> First class ( 66.8%, ) Year - 1990	1988 -1990	Civil- Structural Engineering Subjects (Finite Element Analysis, Advanced Structural Analysis etc.)

1. **Stood 8<sup>th</sup> in the merit list** in University of Poona at Bachelors Degree Course in Civil Engineering.
2. Received an **appreciation letter from M/s Cochin Port** regarding valuable presentation before MoEF meeting related to development of International Transshipment Terminal (ICTT) at Cochin.
3. **Paper titled** "Performance of Continuous and staggered training works in tidal regimes under obliquely incident current" by Shri. **A.A. Purohit** etal. **is short listed as an excellent paper** and published in special issue of ISH Journal of Oct. 2008.
4. **Guided and trained** 2<sup>nd</sup> year student (Ocean Engg. & Naval Architecture) from **IIT, Kharagpur** at CWPRS for two months (May-June 2010) and got developed **user friendly program** for inputting data to **Telemac-2D**.
5. **Guided and trained** 3<sup>rd</sup> year two students (Civil & Water Management) from SGGSI&T, Nanded at CWPRS for 15 days (6<sup>th</sup>-17<sup>th</sup> December 2010) in the field of Coastal Engineering
6. **After thorough investigation**, successfully replied to queries raised **under RTI Act** in year **2011 and 2012** in scheduled time for the two studies carried out at CWPRS.
7. **Reviewed** paper titled "**Numerical modeling of tidal hydrodynamics along artificial wetlands**" and offered comments for its inclusion in HYDRO 2011.
8. **Represented CWPRS** in various high level committee meetings of Government such as CPDAC, TAC **as an expert**.
9. Training programme for **seven** coastal states successfully conducted and more than **40 lectures** on various topics were delivered at CWPRS and at outside institutes till date under various **training programme**
10. **Attended high level committee** meetings of **Central/state Governments**, Coastal Protection and Development Advisory committee, MoEF etc
11. Nominated as **technical expert** on behalf of CWPRS for Public Interest Litigation-7 filed In Bombay High Court in Year 2012for "Dredging issues related Offshore Container Terminal at Mumbai Port" and successfully submitted report to Bombay High Court, Mumbai