

Issue No.: 09

December 2016

---

## CWPRS MONTHLY INFORMATION BULLETIN

---

1. ESTIMATES	
1.1 Submitted	03
1.2 Awarded	05
2. REPORTS SUBMITTED	06
3. RESEARCH PAPERS	
3.1 Submitted	06
3.2 Published	06
4. PARTICIPATION IN SEMINARS/ SYMPOSIA/ CONFERENCES	11
5. LECTURES DELIVERED	12
6. PARTICIPATION IN MEETINGS	
6.1 Technical Committees	13
6.2 Other Committees	13
7. TRAINING OF PERSONNELS	13
8. IMPORTANT VISITORS	14
9. NEW APPOINTMENTS / PROMOTIONS / RETIREMENTS	14
10. TRAINING PROGRAMMES ORGANIZED	16
11. OTHER INFORMATION	16

## Summary Information For 2008-2016

Years	Jobs Awarded		Reports Submitted	Papers Published	Participation in Seminars/ Symposia/ Conferences	Lectures Delivered	Technical Committee Meetings	Training of Personnel	Training Programmes/ Conferences Organized
	Nos.	Amount (Rs.)							
2008-09	130	15,74,38,098	89	41	24	36	20	38	01
2009-10	118	14,46,68,747	94	57	39	36	30	59	04
2010-11	159	17,06,34,397	95	94	38	52	23	61	11
2011-12	139	18,56,13,568	116	63	26	45	42	88	08
2012-13	150	22,53,10,859	120	67	44	57	24	55	08
2013-14	152	18,24,51,087	112	63	37	68	21	54	11
2014-15	153	25,69,14,032	113	62	58	47	12	62	09
2015-16	85	13,95,89,971	106	65	51	74	17	120	10

## FOR CURRENT YEAR 2016-2017

Till Nov -16	68	9,36,34,238	56	33	48	58	15	228	10
During Dec-16	03	50,40,175	07	50	54	11	00	38	02
	27*	11,97,10,980	-	-	-	-	-	-	-
Total	98	21,83,85,393	63	83	102	69	15	266	12

\* In principal approved but amount yet to be deposited.

**1. ESTIMATES****1.1 Submitted:** (31 Nos. totaling to Rs. 9,31,90,775/-)

Sl. No.	Name of Work	Sponsoring Agency	Division	Amount (Rs.)
1.	Site calibration of Flow transmitters (06 Nos.) for Adhunik Power and Natural Resources Ltd. Palampur, Jharkhand - 832 106	General Manager, C&I, Adhunik Power & Natural Resources Ltd., Palampur, Jharkhand - 832106	HMC	4,85,110
2.	Performance of Testing 80mm orifice meter (2 Nos.) 50 mm orifice meter (1 No.)	Vice President, M/s Fati General Equipments Pvt. Ltd. 23 Jawahar Co-op Industrial Estate, Kamothe, Panvel - 410 209	HMC	65,600
3.	Desk studies for the coastal protection works at Murgawada, Tal. Ratnagir and Velneshwar, Tal. Guhagar, Dist. Ratnagiri, Maharashtra	Harbour Engineer, Ratnagiri Harbour Division, Mandvi, Ratnagiri, Maharashtra - 415 612	CHS-II	3,66,940
4.	Hydraulic model studies for power intake and tail race channel of Indira Sagar Polavaram Project, Andhra Pradesh	Superintending Engineer, ISPHW Circle, Dawlaiswaram - 534 315	CSWCS	1,51,98,110
5.	Estimation of Site specific seismic design parameters for 212 MW Ujh Multipurpose Project, Kathua, J&K	Chief Engineer Geologist, Govt. of J&K, Power Development Corporation, Geologist Wing, CID Block, PDD Comple, Bemina Srinagar - 190018, Corp. office, 480-F, Nitco Lane, Talab Tillo, Jammu	ES	12,17,500
6.	Estimation of Microearthquake study for 212 MW Ujh Multipurpose project, Kathua J&K	Chief Engineer Geologist, Govt. of J&K, Power Developmen Corporation, Geologist Wing, CID Block, PDD Comple, Bemina Srinagar - 190018, Corp. office, 480-F, Nitco Lane, Talab Tillo, Jammu	ES	38,69,840
7.	3D Pseudo dynamic and 2D Dynamic Stress analysis by Finite Element Method of one Spillway Block of Pollavaram Concrete Gravity Dam, West Godavari, Andhra Pradesh	Member Secretary, Polavaram Project Authority, Krishna Godavari Bhawan, H. No. 11-4-648(1st Floor) AC Guards, Hyderabad 500 004, Andhra Pradesh	SMA	23,17,770
8.	Mathematical Model Studies for wave tranquility near GMB jetty at Rozi Port, Jamnagar, Gujarat	Superintending Engineer (Civil) HQ Gujarat Maritime Board, Gandhinagar, Gujarat - 382 010	MMCE	4,03,130
9.	Physical Model Studies for Contemplated development in naval basin of Visakhapatnam (Revised)	CCE (ROSD) South, DRDO, Ministry of Defence, Govt. of India, Akbar Road, P.B. No. 1569, Secunderabad - 500 003	PH-II	9,24,510
10.	Mathematical model studies on hydrodynamics siltation for contemplated development in Naval channel of Visakhapatnum (Revised)	CCE (ROSD) South, DRDO, Ministry of Defence, Govt. of India, Akbar Road, P.B. No. 1569, Secunderabad - 500 003	PH-II	21,27,580
11.	Analysis and Interpretation of Instrumentation Data of Power House for the period Jan 2017 - Dec	Senior Manager (Civil), Power House (Civil) Division, Indira Sagar Power Station, NHDC Office	SMA	13,97,070

	2018, Indira Sagar HE Project, Madhya Pradesh	Complex, Narmada Nagar, Dist - Khandwa		
12.	Seismic Hazard Assessment of North and North East, India	Project Director (DRIP) & Director (DSR) Central Water Commission, Dam Safety (Rehabilitation) Directorate 3rd Floor, CWC New Library Building, Near Sewa Bhavan, R.K. Puram, New Delhi - 110 066	ES	98,86,400
13.	Hydraulic Model studies for proposed railway bridge across river Yamuna between Anand Vihar and New Delhi railway Station, New Delhi	Dy. Chief Engineer/ Const. Shivaji Bridge, New Delhi - 110 001	RH	19,52,010
14.	Analysis and interpretation of Dam instrumentation Data for Indira Sagar Dam, Madhya Pradesh for the period Jan 2017 to Dec 2018	Chief Engineer (Civil), Indira Sagar Project, NHDC Office Complex, Narmada Nagar, Dist. Khandwa - 450 119	SMA	19,19,200
15.	Mathematical model studies for wave tranquility for widening of harbour entrance for Project Varsha. A.P.	Sr. GM (P&H) WAPCOS Ltd. 76-C, Institutional Area, Sector - 18, Gurgaon - 122 015 (Haryana)	MMCE	14,84,530
16.	Mathematical model studies for Tidel Hydrodynamics and sedimentation for improved layout of Project Varshan in A.P.	Sr. GM (P&H) WAPCOS Ltd. 76-C, Institutional Area, Sector - 18, Gurgaon - 122 015 (Haryana)	PH-II	14,98,800
17.	Hydraulic model studies for spillway and power intake of Arun-3 HE Project Nepal 1:70 Scale 3-D Comprehensive Model	Additional General Manager, Design Foreign Projects, Shakti Sadan Shanan, Shimla - 6, Himachal Pradesh	SED	11,9,01,870
18.	Hydraulic model studies for spillway of Arun - 3HE Project, Nepal 1:50 Scale 2-D, Sectional Model	Additional General Manager, Design Foreign Projects, Shakti Sadan Shanan, Shimla - 6, Himachal Pradesh	SED	71,71,620
19.	Desk studies for the design of coastal protection works from Lakshmithoppe to Kollam Beach Kollam district, Kerala	Office of the Superintending Engineer, Irrigation South Circle, Thiruvananthapuram, Kerala - 695 009	CHS-II	7,95,025
20.	Mathematical model studies for assessing backwater effect of Polavaram Dam and its effect on Bhadrachalam Town, Telangana	Chief Engineer, Inter State & Water Resources, 2nd Floor, Jalsoudha Building, Hyderabad, Telangana State, Pin - 500 082.	RH	16,55,540
21.	Mathematical model studies for providing flood protection and channelization of Chandra Bhaga river near Tand Sangam in Dist. Lauhal & Spite	Executive Engineer, I & PH Division Keylong, Dist. Lauhal & Splti, Himachal Pradesh	HAPT	22,78,620
22.	Strain measurement in exposed portion of penstocks 1&2 and 5&6 during in-site hydro test under static and running conditions for Nagjhari Power House, Kalinadi HE Project, Karnataka	Chief Engineer (Electrical & Designs) Karnataka Power Corporation Limited, Sudarshan Complex, 3rd Floor, 22/23 Sheshadri Road, Bengalure, Karnataka, Pin - 560 009	SMA	29,98,160
23.	Site visit for inspection of the dam and discussioin towards undertaking of Kolkewadi Dam, Satara, Maharashtra	Deputy Superintending Engineer, Satara Irrigation Division, Irrigation Bhawan, Krishna Nagar, Satara Dist. Maharashtra - 415 003	CT	69,930

24.	Monitoring of blast vibrations during the dismantling of old anicut at Jobra, Mahanadi, Barrage, Gandarpur, Cuttack, Odisha	Executive Engineer, Mahanadi Barrage Division, Gandarpur, Cuttack, Odisha - 753 003	VT	6,27,230
25.	Vibration studies for kolkewadi dam power house, koyna hydro electric project (KHEP) Stage III, Maharashtra	Dy. Superintending Engineer, Satara Irrigation Circle, Sinchan Bhavan, Krishna nagar, Satara - 415 003. Maharashtra	VT	9,52,450
26.	Seismic refraction survey for Nuclear Power Project at Kovvada, Andhra Pradesh for M/s SECON Private Ltd.	Head Geotech, Corporate Office, Private Limited, White Field, Bangalore - 560 066	GP	39,09,330
27.	Cross hole seismic test for Nuclear Power Project at Kovvada Andhra Pradesh for M/s SECON Private Ltd.	Head Geotech, Corporate Office, Private Limited, White Field, Bangalore - 560 066	GP	34,73,100
28.	Electrical Resistivity Imaging Survey for Nuclear power project at Kovvada, Andhra Pradesh for M/s SECON Private Limited	Head Geotech, Corporate Office, Private Limited, White Field, Bangalore - 560 066	GP	21,41,730
29.	3-D Pseudo-dynamic studies of one Spillway block with under-sluice and 3D Pseudo-dynamic and 2D dynamic stress analysis of one deepest Spillway block by FEM for Polavaram Concrete gravity Dam, Andhra Pradesh	Member Secretary, Polavaram Project Authority, Krishna Godavari Bhavan, H. No. 11-4-648 (1st Floor) AG Guards, Hyderabad - 500 004	SMA	34,96,640
30.	Technical Consultancy for Automation & Upgradation of Teesta Barrage Gate operations under Irrigation & Waterways Dept. Govt of West Bengal	Deputy Secretary to Govt. of West Bengal, Irrigation & Water ways Dept., Jalasmpad Bhavan, 3rd Floor, Western Block, Bidhamnagar, Salt Lake City, Pin - 700 091	HAPT	7,37,230
31.	Analysis and interpretation of Dam Instrumentation Data from Jan 2017 - to December 2021 for Polavaram Concrete gravity Dam, Andhra Pradesh	The Member Secretary, Polavaram Project Authority, Krishna Godavari Bhavan, H. NO.11-4-648 (1st Floor), AG Guards, Hyderabad - 500 004, Andhra Pradesh	SMA	58,68,200

**1.2 Awarded:** (03 Nos. totaling to Rs. 41,21,820/- + 9,18,355/- for calibration works 10 Nos.)

Sl. No.	Name of Work	Sponsoring Agency	Division	Amount (Rs.)
1.	Physical hydraulic model studies for the development of floating storage and Regasification unit (FSR) in Mumbai Harbour	Deputy Chief Engineer, Mumbai Port Trust, Port House, Shoorji Vallabhdas Marg, Ballard Estate, Mumbai - 400001	PH	11,67,890
2.	Mathematical model studies for hydro dynamics and siltation for the development of floating storage and Regasification unit (FSRU) in Mumbai Harbour	Deputy Chief Engineer, Mumbai Port Trust, Port House, Shoorji Vallabhdas Marg, Ballard Estate, Mumbai - 400001	PH-III	21,69,020
3.	Performance Testing of Submersible Pumps for UPSD for Superintending Engineer Central Equipment & Stores Procurement Cell Irrigation & Water resources department U.P. Ganga Sinchai Bhawan, Telibagh Lucknow - 226025	Superintending Engineer, Central Equipment & Stores - Procurement Cell, Irrigation & Water Resources Department UP, Ganga Sinchai Bhawan, Telibagh, Lucknow - 226025	HMC	7,84,910

**2. REPORTS SUBMITTED:** (07 Nos.)

Sl. No.	Title	Report No	Month/Year
1.	Report on analysis of digital accelerometer data for Tarali Dam, Maharashtra	5445	December, 2016
2.	Mathematical model and desk studies for construction of Temporary pile bridge for erection of pier of flyover bridge across Mithi river Just upstream of Mini confluence Mumbai, Maharashtra	5446	December, 2016
3.	Geotechnical stability studies for breakwater after deepening of Channel at New Mangalore Port Karnataka	5447	December, 2016
4.	Hydraulic model studies for modified extended spillway of subansiri Dam spillway AP/ Assam, 1: 90 Scale 3D Comprehensive Model	5448	December, 2016
5.	Hydraulic Model studies for spillway & Power intake of Devsari HE Project, Uttarakhand, 1:60 Scale, 3D Comprehensive Model	5449	December, 2016
6.	Analysis of Metrological Data for the proposed atomic power at Bhimpur , Madhya Pradesh for NPCIL, Vol.I & Vol. II	5450	December, 2016
7.	Report on analysis of digital accelerometer data for Tarali Dam, Maharashtra	5451	December, 2016

**3. RESEARCH PAPERS****3.1 Submitted - (03 Nos.)**

1. Paper titled "Discovery of weighted continual itemsets from transactional databases using frequent utility pattern algorithm" by Shri Hanegaonkar M. A. from CWPRS & Shri Kamlesh Amravatkar from MPGI Nanded for possible publication in "International Research Journal of Engineering and Technology (IRJET).
2. Paper titled "Current deflecting wall - a promising structure for minimizing siltation in semi-enclosed docks" by Shri A. A. Purohit, Shri A. Basu, Shri K. A. Chavan, Shri M. D. Kudale for possible publication in "ICSDE 2017: 19th International Conference on Sustainable development of environment", Mumbai, 07-08 February 2016.
3. Paper titled "Advanced non contact methods of monitoring dam parameters" by Shri M. Selva Balan for possible publication in "Third International Dam Safety Conference", IIT Rorkee, 16-17 February 2016.

**3.2 Published - 50 Nos.**

1. Paper titled "Role of  $V_p/V_s$  and Poisson's Ratio in the Assessment of Foundation(s) for Important Civil Structures(s)" by Shri Sudipta Bhowmick published in journal of Geotechnical and Geological Engineering" Vol. 34, No. 5, November 2016.
2. Paper titled "Phase tuning in lanthanum doped lead zirconate titanate near morphotropic phase boundary using chemical co-precipitation route and their dielectric properties" by Shri Prashant S. Janroa published in Journal of Materials Science Materials in Electronics (JSME) November 2016.
3. Paper titled "Fuzzy Rule based Early Warning System" by Shri M. Selva Balan, Dr. M. K. Sinha, Shri Ajit Singh published in National Conference on Water Resources and Flood Management" with special reference to
4. Paper titled "Development of flotilla berths at New Mangaloe Port in the high waves exposed region with spending beach" by Shri H. B. Jagadeesh, Shri A. S. Chalawadi, Shri T. Nagendra

- from CWPRS & Shri Subba Rao, Professor NITK published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
5. Paper titled " Assessing Quality of Masonry Dam using Seismic and Electrical Tomography" by Shri M. S. Chaudhari, Shri M. Majumder Shri V. Bagade and Shri S. Ranga published in J. Ind. Geophys. Union (September 2016) V. 20, no. 5, pp: 482-489, December 2016.
  6. Paper titled "Impact of wave and tide induced currents on siltation in fishing harbour at Thottappally" by Shri V. B. Sharma, Shri Prabhat Chandra, Shri M. D. Sawant, Shri T. Nagendra published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
  7. Paper titled "Remedial measures to reduce siltation in a fishing harbour using numerical modelling" by Shri A. S. Borkar, Mrs. A. M. Vaidya, Shri M. D. Kudale published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
  8. Paper titled "Model studies for deciding the position of worst loop guide bund on braided river" by Dr. Sanjay A. Burele published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
  9. Paper titled "Experimental investigations for hydraulic design of Pare Dam spillway, Arunachal Pradesh" by Dr. M. R. Bhajantri, Shri Amit Kulhare, Shri V. S. Rama Rao, Dr. (Mrs.) V. V. Bhosekar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
  10. Paper titled "Revival of dam instrumentation (TTP) of Ukai Dam, Gujarat" by Shri P. D. Kamalasekaran, Shri J. K. Singh, Shri M. S. Bist, Shri Ajay Sonavane published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO- 2016", CWPRS, Pune, December 2016.
  11. Paper titled "Optimisation of outer harbour layout through hydrodynamics and siltation models - a case study", by Dr. J. D. Agrawal, Shri V. K. Shukla, Shri V. D. Kokane, Shri T. Nagendra published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
  12. Paper titled "Dam break analysis using FLDWAV model for fixing safe grade elevation of a power plant" by Shri P. Vijayagopal, Shri A. G. Gollandajm, Shri S. D. Marulkar, Shri R. S. Jagtap published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
  13. Paper titled "Optimization of fishing harbour layout using hydraulic model studies" by Shri R. K. Chaudhari, Mrs. A. M. Vaidya, Shri Santosh Kori, Shri M. D. Kudale published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO- 2016", CWPRS, Pune, December 2016.
  14. Paper titled "Optimization of layout of fisheries harbour using wave tranquility model - a case study" by Mrs. A. B. Pardeshi, Shri M. D. Kudale, Shri A. J. Jatkar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
  15. Paper titled "Utility of physical wave model for development of outer harbour at V.O. Chidambaranar Port" by Shri Prabhat Chandra, Shri S. S. Chavan, Shri B. K. Gautam, Shri T. Nagendra published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO 2016", CWPRS, Pune, December 2016.
  16. Paper titled "Assessment of flood levels after construction of additional ghats along river

- Godavari at Nasik for Mahakumbh 2015, Maharashtra" by Shri Kuldeep Malik, Mrs. K. V. Katte, Shri M. K. Pawar, Shri T. Nagendra published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
17. Paper titled "A device of tidal energy conversion" by Shri A. G. Kale (Retd. JD), Shri N. V. Gokhale, Shri A. V. Mahalingaiah, Shri M. D. Kudale, published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
18. Paper titled "Development of mathematical models for the prediction of the motions of ships under sinusoidal waves" by Shri S. N. Das published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
19. Paper titled "Assessing shoreline changes and inundation area along Gahirmatha Coast using geospatial techniques" by Shri Santosh Kori, Shri M. D. Kudale from CWPRS & Shri D. Mitra for ISRO published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
20. Paper titled "Impact of reflecting berthing platform on wave tranquility in a port" by Shri Santosh Kori, Mrs. A. M. Vaidya, Shri M. D. Kudale published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
21. Paper titled "Optimum design of breakwaters for the development of ports", by Shri A. V. Mahalingaiah, Shri B. R. Tayade, Shri N. V. Gokhale, Shri N. S. Ganesh, Shri G. R. Pardeshi published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
22. Paper titled "Emergency measures for coastal protection" by Shri B. R. Tayade, Shri A. V. Mahalingaiah, Shri M. D. Kudale, published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
23. Paper titled "Drag evolution studies for an amphibious vehicle during cross flow" by Shri R. P. Gupta, Mrs. H. R. Khandagale, Mrs. K. G. Bhonde published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
24. Paper titled "Assessment of scour downstream of spillway with submerged ski jump bucket" by Shri V. S. Rama Rao, Shri K. T. More, Dr. M. R. Bhajantri, Dr. (Mrs.) V. V. Bhosekar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
25. Paper titled "Application of hybrid hydro-morphodynamic modeling to optimize harbour layouts in macro tidal region - holistic approach" by Shri A. A. Purohit, Mrs. A. M. Vaidya, Shri M. M. Vaidya, Shri Santosh Kori published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
26. Paper titled "Role of ATG system in the flood protection of Surat City carried out at the physical hydraulic model at GERI" by Shri M. S. Bist, Shri M. Selva Balan, Shri J. K. Singh, Shri S. Dhayalan (Retd.) published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
27. Paper titled "Performance of tailrace channel" by Shri A. K. Agrawal, Dr. K. C. Sahu, Shri K. Rajesh published in proceedings of "21st International Conference on Hydraulics, Water



Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.

28. Paper titled "Numerical simulation of thermal plume re-circulation in a shallow area on the east coast of India" by Shri J. Sinha, Shri S. N. Jha, Shri M. D. Kudale published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
29. Paper titled "Optimization of layout for fisheries harbour at Vellayil, Kerala" by Shri K. H. Barve, Shri M. D. Kudale, Shri Prabhat Chandra, Shri T. Nagendra published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
30. Paper titled "Hydraulic design considerations for orifice spillway" by Mrs. Prjakta P. Gadge, Dr. (Mrs.) V. V. Bhosekar from CWPRS, Prof. V. Jothiprakash, IIT Bombay published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
31. Paper titled "Assessment of scour for design of plunge pool downstream of Salma Dam spillway, Afghanistan" by Shri V. S. Rama Rao, Shri R. R. Bhate, Dr. M. R. Bhajantri, Dr. (Mrs.) V. V. Bhosekar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
32. Paper titled "Impact of extension of jetty on hydrodynamics and sedimentation aspects" by Dr. A. K. Singh, Shri L. R. Ranganath, Shri M. Karthikeyan, Shri M. D. Kudale published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
33. Paper titled "A review of sedimentation pattern along west coast of India" by Shri L. R. Ranganath, Shri M. Karthikeyan from CWPRS & Shri A. V. Sriram from UVCE, Bangalore published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
34. Paper titled "Inter-comparision of estimation of maximum flood discharge using quantitative and qualitative assessments adopting L-moments in parameter estimation of probability distributions" by Shri N. Vivekanandan, Dr .C. Ramesh published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
35. Paper titled "Review of critical issues in the design of spillway and energy dissipater, Mangdechhu HE Project, Bhutan" by Shri B. Sundarlal, Dr. M. R. Bhajantri, Dr. (Mrs.) V. V. Bhosekar, Shri B. M. Simpiger, Shri Amol H. Gaikwad published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
36. Paper titled "Challenges in developing efficient design of spillway in north eastern region - a case study" by Mrs. Sangeeta Patnaik, Shri Amit Kulhare, Mrs. V. P. Gadhe, Dr. M. R. Bhajantri, Dr. (Mrs.) V. V. Bhosekar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
37. Paper titled "Investigation homogeneity and stationarity in precipitation analysis of water resources planning" by Shri R. S. Jagtap, and Dr. U. V. Naik-Nimbalkar, Prof. (Retd.), SPPU published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
38. Paper titled "Physical tidal model and field studies for the development of passensger water transport terminals on the west coast of Mumbai" by Shri J. A. Shimpi, Shri A. V. Mahalingaiah, Shri M. D. Kudale published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.

39. Paper titled "Hydraulic model studies for estimating scour cone development during pressure flushing of reservoirs" by Shri S. A. Kamble, Shri P. S. Kunjeer, Shri B. Suresh Kumar, Mrs. Neena Isaac published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
40. Paper titled "Analysis and Validation of reservoir sedimentation quantity using adaptive filtering" by Shri M. Selva Balan published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
41. Paper titled "Hydraulic model studies for multi dimensional approach for sediment management of a run-of-the-river hydro-electric project" by Shri P. D. Patil, Mrs. Neena Isaac, Shri F. D. Momin, Dr. (Mrs.) V. V. Bhosekar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
42. Paper titled "Studies for locating a road bridge on river Yamuna at New Delhi" by Shri S. S. Kerimani, Dr. R. G. Patil, Shri S. P. Hedao, Shri T. Nagendra published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
43. Paper titled "Estimation of design flood and design of flood protection for an ungauged stream, Himachal Pradesh, India using GIS and mathematical modeling techniques" by Shri P. S. Kunjeer, Mrs. Neena Isaac, Mrs. S. B. Tayade, Dr. (Mrs.) V. V. Bhosekar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
44. Paper titled "Integrated 1-D and 2-D numerical model simulations for flushing of sediment from reservoirs" by Mrs. H. P. Choudhary, Mrs. Neena Isaac, Mrs. S. B. Tayade, Dr. (Mrs.) V. V. Bhosekar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
45. Paper titled "Optimization of approach rock cutting between dam intakes and irrigation bypass tunnel of Sardar Sarovar Project, Gujarat" by Shri Y. N. Srivastava, Ms. S. H. Kulkarni published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
46. Paper titled "Hydraulic model studies for optimizing design of two tier spillway -a case study" by Shri R. R. Bhate, Shri K. T. More, Dr M. R. Bhajantri, Dr. (Mrs.) V. V. Bhosekar published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
47. Paper titled "Developing rainfall intensity-duration-frequency curves for Bhavnagar city, Gujarat" by Shri K. B. Bobade, Shri S. G. Manjunatha, Shri M. D. Kudale published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
48. Paper titled "Optimizing a layout for the proposed container terminal at Tuna Tekra in the approaches of Kandla creek, Gulf of Kutch" by Shri N. Ramesh, Shri B. B. Chaudhary, Shri Vaibhav Konde, Shri T. Nagendra published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.
49. Paper titled "Assessment and Prediction of Water Quality of Panshet and Ujjani Reservoir Using CCME-WQI - Water Quality Issue Related to Human Pressures in its Catchment Area" by Ms. Savitri K. Hansda published in proceedings of "21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO-2016", CWPRS, Pune, December 2016.

50. Paper titled " The utility of borehole Geophysical and Tracer techniques in seepage investigations - A dam Safety perspective" by Shri G. A. Panwalkar, Shri N. V. Deshpande published in proceedings of National Workshop on "Dam Safety & Rehabilitation - Trends and Practices" CWPRS Pune, 14-15 October, 2016.

### 3.3 Best Paper Award

1. Paper titled "Assessing Quality of Masonry Dam using Seismic and Electrical Tomography" by Shri M. S. Chaudhari, Shri M. Majumder, Shri V. Bagade and Shri S. Ranga received D. Lal Best Paper Award of IGU for the year 2016.

### 4. PARTICIPATION IN SEMINARS/ SYMPOSIA/ CONFERENCES/ - (03 Event, 54 Participants)

Sl. No.	Title	Place, Date	Name of Officer
1.	Pre conference seminar on Climate Resilient Coastal Protection and Management	CWPRS, Pune 07 <sup>th</sup> December, 2016	Shri S.S. Chavan, Sci-B Shri B.K. Gautam, Sci-B Dr. R. Manivanan, Sci-B Shri A.S. Chalwadi, ARO Mrs Shivani Sahu, Sci-B Shri N.V. Ghokle, Sci-B Shri. S.P. Jagtap, ARO Shri A.A. Purohit, Sci-D Shri. A. Basu, Sci-B Shri Naval S. Jagtap, RA
2.	21st International Conference on Hydraulics, Water Resources and Coastal Engineering - HYDRO International 2016	CWPRS, Pune 08-10 <sup>th</sup> December, 2016	Shri V.B. Sharma, Sci-B Dr. Sanjay A, Sci-B Mrs. A.M. Vaidya, Sci-D Shri P.S. Solanki, Sci-B Mrs. K.G. Bhonde, Sci-B Ms. S.H. Kulkarni, ARO Shri A.K. Agrawal, Sci-D Shri B. Sundarlal, Sci-B Shri. R.R. Bhate, Sci-B Mrs. Sangeeta Patnaik, Sci-B Mrs. Prajka P. Gadge, Sci-B Shri J.K Singh, Sci-B Shri V.S. Rama Rao, Sci-B Shri Kuldeep Malik, Sci-B Shri P. Vijaygopal, Sci-B Shri S.S. Kerimani Sci-B Shri R.S. Jagtap JD Shri M. Selva Balan, Sci-D Shri N. Vivekanandan, Sci-B Shri. M.S. Bist, Sci-B Shri S.A. Kamble, Sci-B Shri. P.S. Kunjeer, Sci-B Shri. F.D. Momin, Sci-B Mrs. H.P. Choudhary, Sci-B Shri. Amit Kulhare, Sci-B Shri. R.K. Chaudhari Sci-B Shri K.H. Barve, Sci-B Shri Prabhar Chandra, Sci-D Shri M. Karthikeyan, RA Dr. A.K. Singh, ARO

			Shri S.N. Das, Sci-B Shri Santosh Kori, Sci-B Shri. A.S. Borkar, Sci-B Mrs. A.B. Pardeshi, Sci-D Shri Jiweshwar Sinha, Sci-D Shri H.B.Jagdeesh, Sci-D Shri J.A. Shimpi, Sci-B Shri. K.B. Bobade, Sci-B Shri A.V Mahalingaiah, Sci-D Shri. B.R. Tayade, Sci-B Dr. J.D. Agrawal, Sci-D Shri M.M. Vaidya, Sci-B
3.	CBIP Symposium on Challenges in Development of Water Resources, Power and Renewable Energy Sector and CBIP Award Presentation chaired by Hon'ble Minister, WR, RD&GR	New Delhi 29 <sup>th</sup> December 2016	Dr. M.K. Sinha, Director Shri G.A. Rajkumar, Sci-B

### 5. LECTURES DELIVERED - (11 Nos.)

Sl. No.	Title	Event, Place, Date	Name of Officer
1.	River Training structures/ works for flood management	29th Induction Training Programme for the newly appointed officers of Central Water Engineering (Group 'A') services 5.12.2016 NWA Pune	Dr. R. G. Patil, Sci-D
2.	Statistical Analysis in modeling	29th Induction Training Programme for the newly appointed officers of Central Water Engineering (Group 'A') services 19.12.2016 NWA Pune	Shri R. S. Jagtap, JD
3.	Early Warning system and its components"	SVNIT, Surat 21-22th December 2016	Shri M. Selva Balan, Sci-D
4.	Sangh ki Rajbhasha neeti aiwam karyanwan	Training Program for newly promoted Assistant Directors-II/ Sub Divisional Engineers of CWC 23.12.2016 NWA Pune	Dr. G. R. Tripathi, Sci-C
5.	Vigilance, Disciplinary, Conduct Rules	Training Program for newly promoted Assistant Directors-II/ Sub Divisional Engineers of CWC 28.12.2016 NWA Pune	Shri R. R. Aswale, CAO
6.	Broad Design aspects of Barrage, Weir and Canal	Training Program for newly promoted Assistant Directors-II/ Sub Divisional Engineers of CWC 27.12.2016	Mrs. Neena Isaac, Sci-D

		NWA Pune	
7.	FEM: Theory, methodology, assumption and limitations, Different types elements and its application	Training Program for newly promoted Assistant Directors-II/ Sub Divisional Engineers of CWC 28.12.2016 NWA Pune	Shri Rizwan Ali, Sci-D
8.	Dam Safety Aspects including DRIP Program	Training Program for newly promoted Assistant Directors-II/ Sub Divisional Engineers of CWC 28.12.2016 NWA Pune	Shri M. S. Hanumanthappa, Sci-B
9.	FEM: Static and Dynamic Analysis	Training program for newly appointed officers of Central Water Engineering (Group 'A') 29.12.2016 NWA Pune	Shri S. J. Pillai, Sci-B
10.	Soil Mechanics: Soil Properties (Hydraulic & Mechanical), permeability & Seepage; stress in soil, compaction consolidation etc.	Training program for newly appointed officers of Central Water Engineering (Group 'A') 30.12.2016 NWA Pune	Mrs. J. S. Edlabadkar, Sci-B
11.	Concrete Technology, Additives, admixtures etc.	Training program for newly appointed officers of Central Water Engineering (Group 'A') 30.12.2016 NWA Pune	Shri J. S. Pillai, Sci-B

## 6. PARTICIPATION IN MEETINGS

6.1 Technical Committee Meetings: (Nil)

6.2 Other Meetings: (01 No.)

Sl. No.	Name of Committee	Date and Venue	Participant(s)
1.	Meeting of Departmental Promotion Committee for the post of Assistant Research Officer	15.12.2016 New Delhi	Dr. M. K. Sinha, Director

## 7. TRAINING OF PERSONNEL - (05 Trainings and 38 Personnel)

Sl. No.	Title	Event, Place, Date	Name of Officer
1.	Hindi Karyashala	CW&PRS 1 <sup>st</sup> December, 2016	Dr. Rolland Andrade, Sci-B Shri Krishna Swami Kumar, Sci-B Shri V. Prabhakar Cherry, Sci-B Dr. G. Dhanujaya Nayadu, Sci-B Mrs. Sushma Jitesh Vyas, Sci-B Shri R. Vighneswarna, Sci-B Kum. Sibrat A. Betukar, RA Kum. Pranjal Vijay Mane, RA

			Mrs. Snehal Shinde, RA Shri Dheeraj Tamrakar, RA Shri Shailesh Prabhakar Tothe, RA Shri Manish Kumar, Store Asst. Shri Sarvesh Kumar Yadav, Lib. & Info. Asst. Shri Prashant Bhau Gavad, Lib. & Info. Asst. Kum. Praveen Saikh Kureshi, Lib. & Info. Asst. Shri Satish V. Kulkarni, AE Shri Vinesh Katte, Sci-B Smt Madhuri S. Deshpande, JE Shri Shyamrao Namu Taware, JE Shri Milind Ramkrish Gawai, JE Shri Suhanto Ghosh, JE Kum. Sandhya Bharat Vare, JE Shri Prashant Doke, JE Shri Y. N. Karnajikar, JE Shri Adhaar S. Kutramare, JE Smt M. K. Ghodke, JE Shri Sanjay Gyanbarao Bodase, JE Shri Gopinath Ananda Tathe, JE Shri Mohit Choudhari, LDC Shri Sumit, LDC
2.	Training course on "Chemical aspects of water quality and its effect on durability of concrete"	CSMRS, New Delhi 08-09 <sup>th</sup> December, 2016	Shri R. Vigneswaran, Sci-B Shri K. Balachandran, RA
3.	Distance Learning Program in Hydrology : " Basic Hydrological Sciences"	NWA, Pune 19.12.2016 to 27.01.2017	Shri Dheeraj Tamrakar, RA Ms. Manasi M. Mulay, RA
4.	World Bank Training on Systematic Traking of Exchange in Procurement (STEP)	West Bangal Administrative Institute Kolkata 13-14 <sup>th</sup> December 2016	Shri Hareeswaran K, SRO Shri S.R. Swami, Sci-C
5.	World Bank Training on Systematic Traking of Exchange in Procurement (STEP)	World Bank Office Chennai 20-21 <sup>st</sup> December 2016	Shri. N.D. Atkekar, Sci-D Shri G.V. Ramana Rao, Sci-D

**8. IMPORTANT VISITORS: Nil****9. NEW APPOINTMENTS, PROMOTIONS & RETIREMENTS**

Sl. No.	Name of Person	Designation	Division	Date
<b>New Entrants</b>				
1.	Shri Shabeer Lone	RA (Engg)	SMA	19.12.2016
<b>Promotions</b>				
1.	Shri Balachandran K.	ARO	GE	20.12.2016
2.	Shri Santosh K. Ranga	ARO	GP	20.12.2016
3.	Shri S. J. Shinde	ARO	TC	20.12.2016

4.	Smt. Archana Shinde	ARO	HMET	20.12.2016
5.	Shri T. K. Sahu	ARO		20.12.2016
6.	Shri V. S. Telgote	ARO		20.12.2016
7.	Shri A. G. Golandaj	ARO		20.12.2016
8.	Shri. S. A. Shaikh	LA-I	GT	07.12.2016
9.	Smt. Vasant Saroja	LA-I	VT	07.12.2016
10.	Smt. P. P. Utagikar	LA-I	RH	08.12.2016
11.	Smt. S.S. Mangade	LA-I	WQAM	07.12.2016
12.	Smt A.D. Bhange	LA-I	CPC	08.12.2016
13.	Shri. S.B. Shivankar	LA-I	Inst. - I	08.12.2016
14.	Shri. D.J. Walaje	LA-I	CERC	07.12.2016
15.	Shri. A.D. Kamble	LA-I	HM	08.12.2016
16.	Shri. U.K. Awale	LA-I	CPC	07.12.2016
17.	Shri.K. M. Nigade	LA-I	CPC	07.12.2016
18.	Shri. S. S. Fand	LA-I	Canteen- I	07.12.2016
19.	Shri. H.G. Sonawane	LA-I	HMET	07.12.2016
20.	Shri. S.A. Mate	LA-I	HAPT	07.12.2016
21.	Shri. S.R. Malwadkar	LA-I	CSWCS	07.12.2016
22.	Smt. S. M. Mirashi	LA-I	SM	07.12.2016
23.	Shri. N.G. Ovhal	LA-I	CPC	12.12.2016
24.	Shri G. G. Kamble	LA-I	GP	07.12.2016
<b>Retirement</b>				
1.	Shri A. S. Ingle	Superintendent	Admin	31.12.2016
2.	Dr. Sibnath Das	Scientist 'B'	MMCE	31.12.2016
<b>Voluntary Retirement</b>				
	NIL			
<b>Repatriation/Transfer</b>				
	NIL			
<b>Resignation</b>				
	NIL			

**10. TRAINING PROGRAMMES/ CONFERENCES ORGANIZED: 02 Nos.**

- One day Hindi Karyashala organized by CWPRS, Pune on 1<sup>st</sup> December 2016.
- CWPRS in the Centenary Year 2016 organized “HYDRO-2016” 21st International Conference on Hydraulics, Water Resources and Coastal Engineering during 08-10<sup>th</sup> December, 2016 at CWPRS, Pune under the aegis of The Indian Society for Hydraulics (ISH). The conference was well attended with more than 350 research scholars presenting their contributions in relevant disciplines.

**Preceding Hydro - 2016**

- A One day Pre-conference Seminar on “Climate Resilient Coastal Protection and Management” on December 7, 2016 at CWPRS, Pune was organized by CWPRS under the aegis of The Indian Society for Hydraulics (ISH).

**11. OTHER INFORMATION:****➤ CBIP AWARD - 2017 FOR CWPRS**

Dr. M. K. Sinha, Director CWPRS, received CBIP Award - 2017 for the best R & D Institute in the Water Resources Sector, on 29<sup>th</sup> December, 2016 during the Annual Day function of CBIP held at SCOPE Complex, New Delhi from Shri Sanjeev Balyan, Hon'ble Minister of State (Water Resources, River Development and Ganga Rejuvenation).

