

Technical Session: TS-IV A		Date : 09/12/2016	Time: 1100 to 1215 Hrs
Theme : Water Resources & Hydrology		Venue: Auditorium	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	221	Development of Novel Detection Algorithm for Lakes Using Image Processing Technique	R.P. Kulkarni, K.C. Khare
2	241	Qualitative Analysis of Non-Revenue Water	Prashant L. Gaikwad, Pravin S. Chaudhari
3	245	Discharge Simulation for Thuthapuzha Subbasin of Bharathapuzha River Basin In Kerala	T.M. Sharannya, C.M. Sreelakshmi, T.K. Drissia
4	247	Temporal Variation of Inflow to the Dams of Rajasthan State	Dr. Naveen Kumar Gupta, Dr. Ajay Singh Jethoo, Sushindra Kumar Gupta, Vinay Chandwani
5	200	Age Wise Arecanut Crop Water Requirement Model Using SMLR and Hyperspectral Data	B. E. Bhojaraja, Amba Shetty, M. K. Nagaraj
6	257	Numerical Study on the Friction Factor Estimation for Laminar and Turbulent Flow in Smooth Pipe Flow	S.A. Mashalkar
7	262	Study of Flow Characteristics of Hydraulic Jump in Open Channel Flume Trough a Layer of Submerged Vegetation And Round Pebbles	Dikshant Bodana, Sudhanshu Dixit, Naimish Bhatt, Sudhanshu Dixit
8	291	Revised Abstract of "Inter-Comparison of Grid-Based Stream-Network Delineation Algorithms for Hillslope Width Function Determination"	Soumyaranjan Sahoo, Bhabagrahi Sahoo

Technical Session: TS-IVB		Date : 09/12/2016	Time: 1100 to 1215Hrs
Theme : Reservoir & Appurtenant structures		Venue: Cavitation Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	112	Experimental Study of Stilling Basin Models for Pipe Outlet using Baffle Wall	H. L. Tiwari, AnkitBalvanshi, Bikram Prasad
2	210	Experiments on Stilling Basin for Pipe Outlet with Sill	H.L.Tiwari, A.Goel, P.D. Pore
3	290	Assessment of Energy Dissipation in Ogee Spillway ofKhadakwasla Dam by using Plain and Slotted Roller Buckets	P. B.Nangare
4	342	Hydraulic Design Aspects of Diversion of Open Channel Flow into Closed Conduit	P. B. Deolalikar
5	354	Assessment of Scour Downstream of Spillway with Submerged SKY Jump Buckets	V.S. Rama Rao, K.T.More, Dr. M.R.Bhajantri, Dr. (Smt.) V.V.Bhosekar,
6	357	Assessment of Scour for Design of Plunge Pool Downstream of Salma Dam Spillway, Afghanistan	V.S. Rama Rao, R.R.Bhate, Dr. M.R.Bhajantri, Dr. (Smt) V.V.Bhosekar,
7	359	Challenges in Developing Efficient Design of Spillway in North-Eastern Region- a Case Study	Mrs. Sangeeta Patnaik, Amit Kulhare, Mrs. Vaishali Gadhe, Dr. M.R. Bhajantri, Dr. (Mrs.) V.V. Bhosekar
8	360	Review of Critical Issues in the Design of Spilwayand Energy Dissipator, Mangdechhu Hydro Electric Project, Bhutan	B.S.Sundarlal, Dr. M. R. Bhajantri, Dr. (Mrs) V.V.Bhosekar, B.M.Simpiger, Amol H. Gaikwad

Technical Session: TS-IV C		Date : 09/12/2016	Time: 1100 to 1215 Hrs
Theme : Environmental and Climate Change		Venue: CDC Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	536	Utilization of Moringa Oleifera For Reuse of Treated Municipal Wastewater in Agricultural Purpose	N. Shukla, K.K. Paul
2	566	Effect of Climate Change on River Basin Hydrology	R.V. Galkate, R.K. Jaiswal, T.R. Nayak, T. Thomas
3	576	Assessing Climate change in California using Support Vector Machine in Statistical Downscaling	Amit Sahoo
4	582	Assessment of Land Surface Temperature Relationship with Vegetation, Water and Built-up Parameters of Chandigarh City in India	Aneesh Mathew, Sumit Khandelwal, Nivedita Kaul
5	601	Dredging & Reclamation for a Refinery Site - Environmental Aspects	Dr. Ranjit Rath, Rakesh Ranjan Khuntia
6	611	Distribution of Fluoride Concentration in Nagonda District of Telangana State Using Geo Spatial Technology	Renukaraju
7	617	Optimal Sensor Locations With Dual Objectives of Regular Monitoring and Contamination Detection in Water Distribution Network of BWSN	Shweta Rathi, Rajesh Gupta
8	637	Contamination of Water Resources in Indian Continent and Mitigation Measures	Dr. P.N. Darde,

Technical Session: TS-IVD		Date : 09/12/2016	Time: 1100 to 1215 Hrs
Theme : Fluvial Hydraulics		Location: DOHI Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	104	Comparison of Local Scour Models for Unsteady Flow Experimentation	Anandrao R. Deshmukh, Dr. Rajkumar V. Raikar, Dr. Jian-Hao Hong
2	243	Morphological Study of Upper Tapi River Using Remote Sensing and GIS Technique	Resmi S. R, P. L. Patel, P. V. Timbadiya
3	289	Effect of Land Use Land Cover Change on Soil Erosion in a Catchment	Birendra Bharti
4	346	Morphometric Analysis of Lesser Himalaya: a Case Study of Aglar Watershed	Vikram Kumar
5	413	Calibrating Coefficients for Prediction of Depth Averaged Velocity Distribution	Jnana Ranjan Khuntia, Kamalini Devi, Kishanjit Kumar Khatua and
6	417	Flow Structure in an Asymmetric Compound channel Flow	Sarjati Sahoo, Kamalini Devi, Kishanjit Kumar Khatua
7	421	Stable Channel Design of Tapi River Using Hec-Ras for Surat Region	Darshan Mehta
8	427	Secondary Flow Effect in Discharge Prediction for Smooth and Rough Open Channel Flow	Jnana Ranjan Khuntia, Kishanjit Kumar Khatua and Somesh Jena

Technical Session: TS-V A		Date : 09/12/2016	Time: 1230 to 1330 Hrs
Theme : Fluvial Hydraulics		Venue: Auditorium	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	190	Streamflow and Ecological Flow Variation Analysis for the Narmada River Basin In Central India	Rahul Kumar Singh & Dr. Manoj Kumar Jain
2	450	Critical Appraisal of Various Approaches to Predict Flow in Compound Channel having Converging and Diverging Floodplains	Bhabani Shankar Das, Kishajit Kumar Khatuaand Kamalini Devi
3	539	Model Studies for Deciding the Position of Worst Loop Guide Bund on Braided River	Dr. Sanjay A. Burele
4	561	Prediction of Scour Depth Below Pipelines Using Artificial Neural Networks	Mujib Ahmad Ansari, Sarfaraz Ali Ansari
5	587	Flow Analysis andits Prediction Methods for Compound Channels	ShovamMahapatra, Prof. K C Patra, Arpan Pradhan
6	603	Specific Energy Variation in Compound Meandering Channel	Swati Sucharita Tripathy
7	641	A Critical Review of Runoff and Sediment Yield Models	Sushindra Kumar Gupta, Gunwant Sharma, A. S. Jethoo, JaivirTyagi

Technical Session: TS-V B		Date : 09/12/2016	Time: 1230 to 1330 Hrs
Theme : Reservoir & Appurtenant Structures		Venue: Cavitation Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	361	Hydraulic Model Studies for Optimizing Design oftwo Tier Spillway – a Case Study	Bhate R.R., More K.T., Dr. Bhajantri M.R., Dr.(Smt) V.V. Bhosekar
2	385	Performance of Tailrace Channel	A. K. Agrawal
3	400	Hydraulic Design Considerations for Orifice Spillways	Mrs. Prajakta P. Gadge, Prof. V. Jothiprakash, Dr. (Mrs.) V. V. Bhosekar
4	540	Integrated 1DAnd 2D Numerical Model Simulations for Flushing of Sediment from Reservoirs	H.P. Chaudhary, Neena Isaac, S.B.Tayade, V.V. Bhosekar
5	541	Hydraulic Model Studies for Multi Dimensional Approach for Sediment Management ofa Run-of-the-River Hydroelectric Project	P.D.Patil, Neena Isaac, F.D.Momin, V.V. Bhosekar
6	542	Hydraulic Model Studies for Estimating Scour Cone Development During Pressure Flushing of Reservoirs	S A Kamble, P S Kunjeer, Sureshkumar B, Neena Isaac
7	648	Flow Behaviour of Semi-Labyrinth Sluice Gates	Talib Mansoor
8	349	Experimental Investigations for Hydraulic Design of Pare Dam Spillway, Arunachal Pradesh	Dr. M.R. Bhajantri, Amit Kulhare, V. S. Ramarao, Mrs. P.P. Gadge, Dr.(Mrs) V.V. Bhosekar

Technical Session: TS-V C		Date : 09/12/2016	Time: 1230 to 1330 Hrs
Theme : Hydro Meteorology		Venue: CDC Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	110	Comparative Study of AWBM and TANK Models for the Estimation of Runoff In Bina Basin	AnkitBalvanshi , Dr. H.L. Tiwari
2	135	Investigating Homogeneity and Stationarity in Precipitation Analysis for Water Resources Planning	R. S. Jagtap, Dr U. V. Naik-Nimbalkar
3	148	Assessment of Water Stress of Bharathapuzha River Basin In Kerala	Drissia T. K., Anjali T. P., Jeethu S. R., Anitha A. B., DinilSony C.
4	164	ANN Based Flood Frequency Analysis at Kosi Barrage Site	Mohammad Muzzammil, JavedAlam
5	173	Performance Evaluation of Reanalysis Products in Simulating the Hydrological Cycle Over India	Nikhil Ghodichore, Dhanya C. T., R. Vinnarasi
6	176	Trend Analysis of Drought in Kerala Meteorological Subdivision Using Non Parametric Methods And Empirical Mode Decomposition	Adarsh S, Shyma M, Sruthy Narayan, Prem G Das, Karthik S, ShirinParveen At
7	180	Application of Artificial Neural Network (ANN) for Forecasting of Inflow	JaineshBelani Dr. Falguni Parekh
8	182	Evaluating Takagi-Sugeno Fuzzy Systems in Modelling Rainfall-Runoff Relationships for Catchments In Mahanadi Basin	K.G.Kiran , V.V.Srinivas

Technical Session: TS-V D		Date : 09/12/2016	Time: 1230 to 1330 Hrs
Theme : Hydro Instrumentation		Venue : DOHI Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	137	Analysis and Validation of Reservoir Sedimentation Quantity Using Adaptive Filters	M.SelvaBalan
2	269	Role of ATG System in the Flood Protection Study of Surat City Carried out at the Physical Hydraulic Model	M.S.Bist, M. SelvaBalan, J.K. Singh, S. Dhayalan
3	304	Measurement of Velocity of Flow in Open Channel by Hydrometric Pendulum	V.S. Chavhan
4	544	Revival of Dam Instrumentation (TTP) of Ukai Dam, Gujarat	P D Kamalasekaran
5	567	ADCP in Stream Flow Measurements: Features and Adaptation	S.R.Gaikwad
6	568	Dam Safety and Surveillance Instrumentation Advancements	S.R.Gaikwad

Technical Session: TS-VI A		Date : 09/12/2016	Time: 1430 to 1530 Hrs
Theme : Water Resources & Hydrology		Venue: Auditorium	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	202	Analysis of Projections of Precipitation in 21 st Century over India using CMIP5 Data	Vivek Gupta , Dr. Manoj Kumar Jain
2	309	Estimating Soil Hydraulic Properties from Experimental and Numerical inversion Using Mini Disc Infiltrometer	AparimitaPriyadarshiniNaik,BiplabGhosh,Sreeja P.
3	315	Flow Analysis and Scour around Piers in Tandem Arrangement	RutujaChavanAndBimlesh Kumar
4	316	Hydrology of Small Watersheds of Highland Region in the Humid Tropics of Kerala	Dr Celine George
5	321	Advantages of Site Design in Reducing the Development Impact on the Hydrology and Hydraulics of a Catchment Area	Rashmikamble
6	334	A Review of Agricultural Drought	Abhishek. A. Pathak, B.M. Dodamani
7	343	Sustainable Drainage Systems for Storm Water Management Indian Case Studies	Kshirsagar M.P., Khare K.C

Technical Session: TS-VI B		Date : 09/12/2016	Time: 1430 to 1530 Hrs
Theme : Coastal Engineering		Venue: Cavitation Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	196	A Review of Sedimentation Pattern Along West Coast of India	L.R.Ranganath, A.V.Sriram, M.Karthikeyan
2	317	Utility of Physical Wave Model for Development of Outer Harbour at V.O. Chidambaranar Port	Prabhat Chandra, S Schavan, B K Gautam, T Nagendra
3	390	Optimization of Layout for Fisheries Harbour at Vellayil, Kerala	K H Barve, Mahesh Sawant, Prabhat Chandra, T Nagendra
4	394	Spatial Distribution of the Grain Size of Beach Sediments in a Littoral Cell on Kerala Coast	Abdulla P K, E J James
5	424	A Device of Tidal Energy Conversion	A.G.Kale
6	504	Wave Tranquility Studies through Numerical Modeling for the Selection of Suitable Breakwater Layout of Paniyur, Tamilnadu	M. Kalyani, V. Suseentharan, S. K. Patra, J.K. Joseph, R.Vijaya, B. K. Jena

Technical Session: TS-VI C		Date : 09/12/2016	Time: 1430 to 1530 Hrs
Theme : Hydro Meteorology		Location: CDC Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	191	A Bayesian Approach for Estimating Hurst Exponent in Noisy Hydrological Data	Mainak Das, ShivamTripathi
2	215	Assessing the impacts of El Niño Southern Oscillation on rainfall and vegetation of Venna river basin, Central India	C Rishma, Katpatal Y B
3	219	Reliability Assessment and Design of Bangalore Storm Water Drain Networks Using Fuzzy Network Reliability Approach	R. L. Gouri, V.V. Srinivas, Swapan Kumar Masanta, K.G. Kiran, Hemant Kumar, S. R. Chavan
4	230	Delineation of Flood Plain Areas Using Topographic Feature Based Methods for Himalayan Region	Yogesh Joshi, Pankaj R Dhote, S P Aggarwal, Praveen K Thakur
5	271	Dam Break Analysis Using Fldwav Model for Fixing Safe Grade Elevation of a Power Plant.	P.Vijayagopal, A.G.Golandaj ,S.D.Marulkar ,R.S.Jagtap
6	296	Flood Susceptibility Analysis of Part of Bhima River Basin, Pandharpur Region, Solapur District, Maharashtra	Mrs. Mrunal Joshi
7	297	Flood Frequency Analysis Using L Moments for Selected River Basins in Kerala	Drissia T K

Technical Session: TS-VI D		Date : 09/12/2016	Time: 1430 to 1530 Hrs
Theme : Ground Water		Venue: DOHI Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	145	Delineation of Groundwater Prospects Zones with the Application of Geoinformatics-a Case Study for KotturGramaPanchayat in Kerala, India.	Dinesan VP, Jinsi V S , NaufalBasheer and Aruthi MV
2	147	Zonal Draft Estimation Using Inverse Modeling in a Regional Groundwater System	M K Nagaraj
3	239	Groundwater Flow Estimation Using Distributed Hydrologic Model forYerli Sub-Catchment, Maharashtra, India	V. D. Loliyana, P. L. Patel
4	276	An Integrated Study With MCDM and GIS Techniques for Groundwater Prospecting in a Tropical River Basin, Northern Kerala, India	GirishGopinath,Jesiya N P
5	310	Regional Estimation of Groundwater Contribution to a River Basin in Kerala Using Stable Isotopes	Resmi T R, ShahulHameed A, Sui A S., Mrudulrag S K, Sudheesh M andDeshpande, R D
6	337	Finite Difference Model for Reactive Contaminant Transport in Heterogeneous Porous Media	SushreeSwagatika Swain, Pradip Kumar Das
7	391	Solute Movement through Variably Saturated Zone: a Comparative Study of Conservative and Non-Conservative Pollutants	Jahangeer, Pankaj Kumar Gupta, Brijesh Kumar Yadav,

Technical Session: TS-VII A		Date : 09/12/2016	Time: 1545 to 1700 Hrs
Theme : Water Resources & Hydrology		Venue: Auditorium	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	113	Studies for Locating a Road Bridge on River Yamuna at New Delhi	S.S.Kerimani, R.G.Patil, S.P. Hedao, T. Nagendra
2	351	Developing Intensity - Duration - Frequency Curves for Bhavnagar City, Gujarat	K. B. Bobade, S. G. Manjunatha, M. D. Kudale
3	353	Assessment of Physiochemical Properties of Budhi Gandakin Muzaffarpur District, Bihar	Shaktibala
4	375	Morphological Analysis of Cauvery Basin of Karnataka Using SRTM Dem Data	Dr. Shivakumar, J Nyamathi
5	376	Derivation of Short Duration IDF and DAD Curves of Cauvery Basin of Karnataka Using Daily Rainfall Data	Bhavya S
6	379	Irrigation Planning and Management Under Variable Climatic, Efficiency And Conjunctive Use Conditions	R.K. Jaiswal T. R. Nayak R. V. Galkate T. Thomas
7	381	Modeling the Effects of LU/LC Change on Runoff in an Ungauged Basin	Amruth Chand
8	395	Performance Evaluation of Kuttiadi Irrigation Project of Kerala Using Benchmarking Techniques	A B Anitha

Technical Session: TS-VII B		Date : 09/12/2016	Time: 1545 to 1700 Hrs
Theme : Coastal Engineering		Venue: Cavitation Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	425	Emergency Measures for Coastal Protection	B.R.Tayade,A.V.Mahalingaiah, M.D.Kudale
2	463	Physical Tidal Model and Field Studies for the Development of Passenger Water Transport Terminals on the West Coast of Mumbai	JitendraShimpi , A. V. Mahalingiah , M. D. Kudale
3	465	Identification of Critical Tubular Joints of an Offshore Jacket Structure	D.Shrikarpagam
4	485	Large Scale Impact Pressure Measurements on Recurved Sea Wall	R Ravindar
5	490	Water Level Forecasting Using Neuro Wavelet Technique	ShreenivasLondhe, Pradnya Dixit
6	499	Impact of Reflecting Berthing Platform on Wave Tranquility in a Port	SantoshKori A. M. Vadiya and M. D. Kudale
7	516	Review on Estimation of Longshore Sediment Transport Rate	ArunkumarYadav

Technical Session: TS-VII C		Date : 09/12/2016	Time: 1545 to 1700 Hrs
Theme : Water Resources & Hydrology		Location: CDC Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	397	Overland Flow Simulation Using Artificial Neural Networks	AnkitChakravarti (ISH Member) ¹ , Tamne Adunga ² and Ajay Ahirwar ³
2	399	An Other Look at the Traditional Methods of Estimation of Run Off: the SCS CN Method and the Rational Method	Dr N P Singh, ChiragBhura
3	401	Urbanization and Rainfall Trends In Karnataka	SinanNizar
4	408	Flow Prediction Using ANN for Handia Catchment of Narmada River- Case Study	RakeshTanty, TanweerDesmukh
5	412	Turbulence Modeling in Compound Channel Having Diverging Flood Plain	ARUN KUMAR
6	422	Hydrological Soil Properties for Water Conservation Planning in IbrahimpurMasahi Village, Dist. Haridwar (Uttarakhand)	Omkar Singh, V.C. Goyal
7	434	Concept of Turbulence Modelling and its Application in Open Channel Flow	Prateek Kumar Singh
8	453	Development of Inflow Forecasting Model for Reservoir using RTDAS	T. R. Nayak, R. V. Galkate, R. K. Jaiswal, S. Das

Technical Session: TS-VII D		Date : 09/12/2016	Time: 1545 to 1700 Hrs
Theme : Ground Water		Venue: DOHI Lecture Hall	
Chairman's Introduction to theme and Session Papers			
S. No.	Paper ID	Title	Author(s)
1	432	Comparative Analysis of Spatial Interpolation Techniques for Estimating Groundwater Levels in Different Aquifers of Venna Basin, India	Sarang V. Paranjpe, Y.B. Katpatal, M.S. Kadu
2	443	Detection of Illegal Groundwater Pumping - Modelling and Experimental Verification	B.G. Rajeev Gandhi
3	452	Prediction of Groundwater Flow for an Increased Draft Using Modflow	Kiran Kumar L. J
4	522	Simulation of Weekly Groundwater Fluctuation Using Anns Technique	U.S, Shemeema ¹ . M.K Jha ²
5	534	Root Water Uptake Patterns in Young and Matured Orange Trees - a Case Study	SrinivasaRaoPeddinti
6	555	Contaminant Source Identification in an Aquifer by a Particle Swarm Optimization based Simulation-Optimization Approach	L. Guneshwor S, T.I. Eldho A., Vinod Kumar
7	631	Numerical Modelling of Multispecies Solute Transport In Porous Media	Abhimanyu Sharma, AbhayGuleria, Deepak Swami

NOTE: Guidelines for presentation:

1. Each presentation is tentatively allotted time duration of 8 minutes and 2 minutes for discussions.
2. Presenters are encouraged to highlight mainly definition of problem/ solution / relevant recommendations etc.
3. Presenters are requested to avoid pleasantries.
4. Request stick to the schedule by optimizing number of slides.
5. For any clarification contact Shri H. B. Jagadeesh on his e-mail jagadeeshhb@yahoo.co.in and phone : 020-24103401/ 9421011813 (SMS/ whatsapp are encouraged)