

Technical session - i

**GROUND WATER EXPLORATION AND DEVELOPMENT**

6<sup>th</sup> December 2006, 12.00p.m – 1.45 p.m. and session continued from 2.30 p.m to 5.30 p.m.

Chairman  
**Dr.V.P.Dimri**

Co-Chairman  
**Dr. G.D.Ohja**

Keynote  
**Dr. P.C.Chander**

S.No	Name	Paper Title
1	N B Narasimha Prasad, C Unnikrishnan Warriar, E Abdul Hameed And Sasidharan Pallikudian	Development Prospects Of Groundwater Resources in An Island Condition
2	Nazimudin M, Sadanandan K, Sreevallabhan S And Nisha	Extent And Pattern Of Groundwater Utilization In The Lowland Regions Of Kerala – A Case Study From South Western India
3	S. R.Yadav1 And D. C. Singhal2	Sustainable Ground Water Management In Parts Of Dehradun District, Uttaranchal (India)
4	D.Radhakrishnan*, Dr.M.Ramalingam**	Identification Of Ground Water Potential Zones And Waste Land Development –A Case Study.
5	P.N.Rao, Swapna Devi	Optimum Groundwater Development In Assam-Need And Scope
6	N.S. Krishnamurthy, Subash Chandra, S. Dutta, D. Kumar And Shakeel Ahmed	Delineation Of Various Structures In Different Geological Terrains By Electrical Resistivity Tomography
7	Dewashish Kumar, N.S.Krishnamoorthy,S. Dutta,P.D.Sreedevi, Shakeel Ahmed	Electrical Resistivity Imaging Studies In A Deccan Trap Region For Ground Water Exploration

8	Subash Chandra, Dewashish Kumar, Benoit Dewandel, N S Krishnamurthy, Sushobhan Dutta, Shakeel Ahmed	Characterization Of Quartz Vein In Granitic Hard Rock For Groundwater Occurrences
9	S.F.R. Khadri	Sustainable Development And Watershed Management Of Groundwater Resource In Deccan Traps From Tharwar Region, West Nimar District, M.P., India
10	S.F.R. Khadri	Characteristion Of Groundwater And Watershed Management Of The Chandrabhaga River Basin, Chikaldhara Region, Amaravati District, Maharashtra, India With Emphasis On Groundwater Quality
11	K.V.N.Rajani M.V.Swamy B.Venkateswara Rao	Estimation Of Groundwater Resources – A Case Syudy Of Kurmapalli Watershed In Nalgonda & Rangareddy Districts Of Andhra Pradesh
12	D.V.Sarwade, K.R.Olekar And S.C.Puranik	Characters Of Shallow Aquifers In Belgaum City, Karnataka
13	Yamuna Singh,D.P.Dubey	Evaluation Of Groundwater Resources Of Tons Basin In Central India
14	V.M.Natraj	A Study On Aquifer Characteristics In Hard Rock Terrain
15	J.Siddartha Kumar, Mahesh B.U.Rao	A Study On The Hydrological Conditions Around Coal Mine Areas Ofbellampalli-Mancheria-Chennur, Adilabad District, Andhra Pradesh
16	*Surendra Nath Das	Integreated approach for delineating potential zones to explore for groundwater in the Seethanagaram Mandal of Vizianagaram District, Andhra Pradesh, India
17	M.Pradeep Kumar, V.Arul prakasam, N. Varadaraj	Integreated approach in demarcation of fractures saturated with urban domestic sewage in parts of Tirumanimuttar watershed, salem district, Tamilnadu

18	N.C.Nayak N.Chusi	Fracture zones showing Pseudo-Steady State condition, a blessing in the drought prone hard rock terrain of Western Orissa. India.
19	S.K.LUNKAD	Present Status And The Future Of Groundwater Resources Of Haryana (INDIA)
20	DIPANKAR SAHA	Developing design parameters of deep tube well in gangetic alluvial plains
21	Dr.B.Venkateswara rao	A REVIEW ON HYDROLOGICAL AND GEOPHYSICAL ASPECTS OF NORTHERN PARTS OF EASTERN GHAT KHONDALITIC AQUIFERS
22	N.C.Mondal V.Ananda Rao V.S.Singh	Delineation of concealed lineaments using Electrical resistivity Imaging(ERI) at Ghattupal village, Wailapalli watershed, Nalgonda Dt, A.P, India

Technical session - ii

**HYDROLOGIC PARAMETER ESTIMATION AND MODELLING**

6<sup>th</sup> December 2006, 12.00p.m – 1.45 p.m. and session continued from 2.30 p.m to 5.30 p.m.

Chairman  
**Dr. P. Jayarami Reddy**

Co-Chairman  
**Dr. Dharma Rao**

Keynote  
**Dr.A.V.Shamseldin**

S.No	Name	Paper Title
1	R.W.Vervoort	Implications Of Conceptual Model Assumptions On The Calibration Results Of A Large Scale Hydrological Model In Semi Arid Catchment
2	NAZEMOSADATMJ, MOUSSAVI.S.Z.	THE INFLUENCE OF NAO ON PRECIPITATION VARIABILITY OVER WESTERN AND NORTHWESTERN PARTS OF IRAN:ENSO INTERACTIONS
2	Andrey Yakovlev & Felix Pertziger	The Spatial Distributed Model For Short Term Forecasting Of Inflow To Charvak Water Reservoir With Use Of Satellite Information
3	Harish Chandra, H. C. Sharma, B. P. Yadav And Pradeep Kumar	Rainfall Distribution Pattern In District Udham Singh Nagar
4	Shri Ramayan Prasad Sahu* Prof. Sandeep Narulkar	Flood Forecasting Software For River Narmada
5	Archana Chowdhary Dr. R. K. Shrivastava Seema Chouhan	Design Flood Estimation For Ungauged CatchmentsOf Lower Mahanadi – A Frequency Based Approach
6	S. Saravanan <sup>1</sup> Z. Ahmad <sup>1</sup> And Manoj. K. Jain <sup>2</sup>	Storm Runoff Prediction Based On A Spatially Distributed Unit Hydrograph
7	M. Damodhara Rao <sup>1</sup> ; N.S. Raghuwanshi <sup>2</sup> ; R. Singh <sup>3</sup> And K. Anil Kumar <sup>4</sup>	Development And Evaluation of An Automatic Ring Infiltrometer

8	Bhadra, A., Bandyopadhyay, A., Raghuwanshi, N.S., Singh, R.	Development Of A Runoff Prediction Model Using Gis-Based Scs Cn Method In Combination With Muskingum Routing Technique
9	Dr.V.Murthy Rao Khokalay D V S Satish,	Identification Of Dry Spells & Wet Spells In Different Regions Of Andhra Pradesh
10	C. Ramesh K. Gopalrao	Spatio-Temporal Modelling Of Runoff – Neural Network And Spatially Distributed Approaches
11	M. P. Tripathi, N. Agrawal And M. K. Verma	Verification Of Swat Model For A Small Watershed In Chhattisgarh
12	Ajay Jha1 Mahesh K. Jat2 Deepak Khare	Runoff Estimation In Ungauged Catchments Using GIS
13	Manohar Arora, R. D. Singh And Pratap Singh	Regional Flood Frequency Analysis Of Himalayan River Brahmaputra
14	A.S.Ravikumar, Praveen Noojipady	Estimation Of Water Balance Components Using RS And GIS
15	Yogendra Kumar Shiv Kumar H.C.Sharma Himanshu Garg M.C.Joshi	Rainfall Analysis Of Tarai Region Of Uttaranchal State For Water Resources Planning And Irrigation
16	B. D. Kulkarni, N. R. Deshpande , S. S. Mulye & B. N. Mandal	Water Potential Of The Wainganga, The Wardha And The Penganga River Catchments For The Optimum Development Of Water Resources - A Brief Appraisal
17	Dr. G. C. Basu	An Integrated Hydrometeorological Approach For Estimation Of Water Budget For Its Significance Role In Water Resource Management
18	Dr. G.K.Viswanadh <sup>1</sup> and A.S. Chandra Bose <sup>2</sup>	Fully Distributed Rainfall-Runoff Models-A Review

19	K.V.M.Rao <sup>1</sup> , P.Srinivas <sup>2</sup> , T.Tajmul Basha <sup>3</sup>	Hydrological Data Analysis For Identification Of Droughts In Anantapur District
20	Dr. H. D. RANK, Er. S. M. Khunt, Er. P. K. Griglani	Development Of Rainfall Intensity-Duration-Frequency Relationships For Central Guajarat
21	N.G.Pandey, Rakesh Kumar, B.Chakraborty, R. Venkat Ramana and P.Mani	Short Duration Rainfall Analysis for Estimation of Design Flood- A case study
22	T.N. Wickramaarachchi	An Assessment of Surface Water Resources M- A Study from Menik Ganga Basin of Sri Lanka
23	K.Bhaskara Rao C.V.Naidu	Monthly frequencies of cyclonic systems in the Bay of Bengal
24	Shri N.J.Shrimali Shri M.R.Mistry Dr.A.S.Patel	Hydrological Analysis Of A River Basin By Tank Model
25	Bhabagrahi Sahoo <sup>1</sup> , Harsh V. Trivedi <sup>1</sup> And Anil Kumar Lohani <sup>2</sup>	A Nonlinear Grey System Based Prognostic Model For Simulating The Rainfall- Runoff Transformation Process
26	R Subbaiah And Shashank Singh	Conservation Corrections And Condensed Disaggregation Of Rainfall For Stochastic Hydrology
27	Majid Javeri	The Study Precipitation Trend Variations Of Iran And Its Hydrological Effects
28	T. Thomas R.K. Jaiswal Surjeet Singh	Hydrological Modeling Of Streamflows Using Artificial Neural Networks
29	M. Sameena, V Jayaraman And G. Ranganna*	M-R Runoff Model For An Ungauged Sub-Basin 1- A Case Study For Two Sub-Basins Of Bhadra River Basin (Karnataka)
30	Prasada Rao GSLHV Sudhesh.M.V	Verification of the water discharge model through the canal system of Peechi Dam of Kerala

	Manikandan.N Krishna Kuman K.N	
31	Raaj Ramsankaran SK Ghosh UC Kothyari	Recent Advances in Remote Sensing for Hydrology
32	C.S.V.Subrahmanya Kumar Dr.G.K.Viswanadh	Performance of Artifical Neural netwoks in rainfall- Runoff Modelling

Technical session - iii

**WATER PRODUCTIVITY IN THE AGRICULTURE**

6<sup>th</sup> December 2006, 12.00p.m – 1.45 p.m. and session continued from 2.30 p.m to 5.30 p.m .

Chairman  
**Dr.B.Singa Rao**

Co-Chairman  
**Dr. K.V.G.K.Rao**

Keynote  
**Dr. M.Devender Reddy**

<b>S.N o</b>	<b>Name</b>	<b>Paper Title</b>
1	Biju George, Trent Biggs,Hector Malano,Anju Gaur,Brian Davidson	Assessment Of Water Resources In The Musi Sub Basin
2	B.Sreedevi*, S.P. Singh And P. Krishnamurthy	Performance Of Rice Cultivars Under Reduced Water Application Conditions
3	Narendra Agrawal, P. Dubey, H.G. Sharma And P. Satpute	Effect Of Different Levels Of Drip Irrigation With Black Plastic Mulch On The Growth And Yield Of Sapota
4	K.R.Karunakaran, C.Ramasamy And M. Chandrasekaran	Land And Water Resource Management For Sustaining Agriculture: A River Basin Approach In Bhavani Basin Of Tamil Nadu

5	G.Prasada Rao And K.Mruthyunjaya Reddy	Assessment Of Irrigation Performance In Priyadarshi Jurala Project, Andhra Pradesh, India
6	S.L. Patil, M.S. Rama Mohan Rao And K. Channabasappa	Evaluation Of In Situ Moisture Conservation Practices And Crops And Cropping System Adopted In The Watersheds Of River Valley Projects Of Karnataka State, India
7	P.N.Dwivedi	Impact Of Soil And Water Conservation Techniques On Wastelands Improvement And Sustainable Agricultural Production
8	N.Sahoo,P.S.B.Anand, S.K.Choudary,P.Nanda, A.Kumar	Increasing Water Productivity In Sub Humid Watershed
9	Mrinal K.Ghose	Water Resources, Water Demand And Management Of Mine Discharge On Improving The Water Productivity In The Agriculture
10	Renukabala Bej <sup>1</sup> And Raj Kumar Jhorar <sup>2</sup>	Effect Of Irrigation Water Quality On Water Productivity Of Wheat And Cotton
11	Anil Kumar , Devendra Kumar	Sustaing Agricultural Productivity Under Meteorological Drought In Hilly Areas
12	D.D.Patra, Arun Prasad, Sps Khanuja	Strategic Utilisation Of Poor Quality Irrigation Water For Cultivation Of Medicinal And Aromatic Plants
13	Sherin George, Jacob John, Annie Philip, Usha Nair	Conservation Pits: A Viable Soil Conservation And Water Harvesting Technology For Rubber Plantations
14	Mallikarjuna, G.B, H.M. Jayadeva, S.T. Bhairappanavar, H. Chandrappa., M.S. Nagaraju and B.N. Prabakar	FARMER'S PERCEPTION TOWARDS SRI METHOD OF PADDY CULTIVATION IN BHADRA COMMAND OF KARNATAKA
15	R. Singh <sup>1)*</sup> , J.C. van Dam <sup>2)</sup>	Exploring water management options to improve water productivity of irrigated agriculture

	and R.K. Jhorar <sup>3)</sup>	
16	Er.D.Kalpana Dr.T.V.Satyanarayana Dr.G.Subba Rao Dr.P.R.K.Prasad Mr.B.Mukunda Rao	Transitions In Rice cultivation for enhancing water productivity – A case study of Krishna Western Delta
17	M.S.Talathi B.P.Patil R.R.Khadse S.A.Chavan M.V.Zagade	Combined application of organic manures and chemical fertilizers for sustaining productivity under rice based crop sequences
18	Manoharan.A Krishnamurthy.J Murugappan.A	Impact of NLC drain water on village community: A study on Perumal tank command
19	Debabrata Maji	Water resources conservation – A paradigm shift

Technical session- iv  
**GROUNDWATER RECHARGE AND MODELLING**  
7<sup>th</sup> December 2006, 9.00 a.m – 11.15 a.m.

Chairman  
**Dr.S.D.Jimaye**

Co-Chairman  
**Dr. Srinivasa prasad**

Keynote  
**Sri. V V S Gurunadha rao**

S.No	Name	Paper Title
1	Tapesh K Ajmera <sup>1</sup> , A. K. Rastogi <sup>2</sup>	ANN-Inverse Modeling for Parameter Estimation in Porous Media
2	P.D.Sreedevi, K. Subrahmanyam And Shakeel Ahmed	A Simple Cost-Effective Technique For Groundwater Recharge Through Defunct Dug-Well
3	S P Sinha, Dr J N Prasad, Dr P K Verma	Artificial Recharge Of Ground Water - Its Management And Modelling
4	M. N. PATRA	Artificial Recharge of Groundwater to Combat Possible Subsidence in Kolkata
5	V.Tyriakidis , R.K.N Guganesharajah, S.K Ouki B.J.Lloyd	A Water Management Strategy For Salinity Control Of The Ground Water Resources In The Jaffna Peninsula
6	C.Vanags And R.W.Vervoort	Simulation Of The Hydrological Behaviour Of A Paleo Channel System Under Irrigation:Implications For Management At The Local And Catchment Scale
7	C.Glendenning And W.Vervoort	A Simulation Model To Identify The Impacts Of Rainwater Harvesting In A Catchment

8	Geeja K.George, Dr. G. Ravikumar	An Investigation For The Sustainable Water Resources Development In Kadalundi Basin , Kerala
9	Biswajit Chakravorty, N.G.Pandey and Sanjay Kumar	Effect of Flood on River Aquifer Interaction
10	KP Singh*, VVS Gurunadha Rao, BA Prakash, M. Ramesh, K. Krishna Kumar, N Pavan Kumar, K Mahesh Kumar	Groundwater Pollution due to Tannery Effluents in Unnao District, UP
11	RK Singh*, BP Shukla*, KP Singh**, VVS Gurunadha Rao, BA Prakash, M. Ramesh, K Krishna Kumar, K Mahesh Kumar, N Pavan kumar	Remediation of Total Chromium in Groundwater of Naoriyakhera Industrial Area, Kanpur, U.P.
12	M.V.Manjunatha G.S.Dasog Virupanagouda K.Meeyan Saheb	Studies on Groundwater Recharge in some tank command areas of Northern Karnataka

Technical session - v  
**COMPUTATIONAL METHODS IN HYDROLOGY**  
7<sup>th</sup> December 2006, 9.00 a.m – 11.15 a.m.

Chairman  
**Dr.G.Jagmohan Das**

Co-Chairman  
**Dr.Y.Ellam Raj**

Keynote  
**Dr. Shakeel Ahmed**

S.No	Name	Paper Title
1	Miramid Hadiani, Vahid Gholami, Ziatabar Ahmadi	Investigation On The Effect Of The Season In Determination Of Manning's Roughness Coefficient In Predicting Flood Hydraulic Behaviour (Case Study:Haraz River)
2	M. Gopal Naik, E. P. Rao, T. I. Eldho And K. Venkata Reddy	Modelling Of Soil Erosion And Sediment Yield Using Finite Element Method And Geographical Information Systems
3	S.Chandramouli	Comparative Study Of Performance Of Deterministic Dynamic Programming (Ddp), Stochastic Dynamic Programming (Sdp) And Fuzzy Dynamic Programming (Fdp) Models Through Simulation For Optimal Operation Of A Multi Purpose Reservoir: A Case Study Of Hirakud Reservoir
4	K. Devi, Aadil Nabi Bhat, Dewashish Kumar And Shakeel Ahmed	Optimal Water Level Monitoring Network Design In Ghatiya Watershed, Madhya Pradesh, India
5	S.M.Yadav, B.K.Santani	Application Of Ripple Factor For Bedload Computation For Tapi River
6	Rammohanrao And Ellamraj	Comparison Of Synthetic And GISBased Hydrographs For Urban Watersheds
7	Mohd.Gurfan, Vinod Kumar And A.K.Sahu	Viuh Model For Hydrologic System
8	Jayanta Sarkar	Assessing Probabilistic Rainfall Scenerio Over The Vidarbha Region, India

9	Mrs. R. Manjula Mr T. Shashidhar, S. Sankaraparvathi, S.Ambika, B.Shanmugasundari A. Saranya	Estimation of Potential Evapotranspiration for Tuticorin District using both Conventional and ANN methods
10	Ganesan Shanthi * and Jothiprakash. V **	Genetic Algorithms For Multi- Reservoir System Optimization
11	Neeraj Chhajed, S. R. Bhakar, Anil Kumar Bansal, Raj Vir Singh	Stochastic Modelling Of Weekly Rainfall At Banswara Region
12	K. Sunil Raju 1, P. Srinivas	Rainfall Prediction For Musi Reservoir Raingauge Station
13	B.Krishna	Comparison of Different ANN Algorithms To Forecast The Flow Into a Reservoir
14	P.SRINIVAS <sup>1</sup> , Prof. S.THAYUMANAVAN <sup>2</sup>	Time Series Model Application For Rainfall Prediction Of Saidapet Rain Guage Station
15	A.Mani <sup>1</sup> and V.R .Desai <sup>2</sup>	Performance Evaluation Of Artificial Neural Networks In Daily River Discharge Prediction (A Case Study Of Lower Godavari Basin, India)
16	R. Venkata Ramana, B. Chakravorty, N.G. Pandey And P. Mani	Regional rainfall frequency analysis using L-moment approach
17	A. Srinivas Prasad  N.V.Umamahesh  G.K.Viswanath	An LP fortnight wise reservoir operation model for Gundlakamma reservoir project

18	Dr.K.R.Suresh S.N.Subramaniam	Developing a flow duration curve for an ungaged site – A case study of Kumaradhara River
19	Kirti Malhotra H.Venu Gopal	Artificial Neural networks for estimation of runoff for better watershed management
20	S.M.V.Sharief T. I. Eldho    A.K.Rastogi	Pump and Treat Aquifer Reclamation Design using coupled Finite Element Simulation and Steady State Genetic Algorithm Optimization

Technical session - vi  
**SOIL AND WATER CONSERVATION TECHNOLOGIES**  
7<sup>th</sup> December 2006, 9.00 a.m – 11.15 a.m.

Chairman  
**Dr.Y.Rama Krishna**

Co-Chairman  
**Dr. G.K.Viswanath**

Keynote  
**Dr. V.N.Sharda**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	M.M Kshirsagar C.S. Krishna Kumar S.Govindan	Soil Erosion, Sedimentation And Control Measures In A Hilly Watershed – A Case Study

2	M.V.Manjunatha1, P.S.Pattar2 and M.B.Guled	Impact of Soil and Water Conservation Measures on Farm Productivity in Watershed Areas
3	N. Nagarajan 1 And Dr. S. Poongothai 2	Effect Of Soil And Water Conservation On Watershed Management – A Case Study
4	A. G. Koppad 1 R. V. Rao manjunath Gouda.	Establishment of Teak Plantations on uplands, a Non Arable land in Hill zone of Karnataka taka
5	Koppad, A.G. manjunath Gouda. Channabasappa K.S	Influence Of Soil Moisture Conservation Methods On Growth And Productivity Of Tulsii (Ocimum Sanctum) And Stevia (Stevia Rebaudiana)
6	M.J Singh & K L Khera	Physical Indicators Of Soil Quality In Relation To Soil Erodibility Under Different Land Uses
7	Dr. Sridhar Kolluru	Suppression Of Evaporation From Surface Water Bodies For Sustainable Agricultural Production
8	A. G. Koppad 1 & R. V. Rao 2 H. Shivanna 3	Influence Of In-Situ Moisture Conservation And Fertilizer Management On Carbon Sequestration In Teak In Degraded Soils
9	R.K.Singh, B.P.Singh, Bangali Baboo	Effect Of Different Soil Moisture Conservation Practices On Growth Of Young Ber (Zizyphus Mauritiana) And Kusum (Schleichera Oleosa) Plants
10	Prof. P A Sadgir* Prof. G K Patil*	Refilled Continuous Contour Trenching Technology For Water Shed Development
11	S.T.Bhairappanavar,T.H.Go wda,H.M.Jyadeva,G.B.Malli karjuna and H.Chandrappa	Studies on midseason management practices to overcome drought in Mungbean ( <i>Vigna radiata L.</i> ) Wilczek

Technical session - vii

**GROUNDWATER QUALITY AND HYDRO CHEMICAL INVESTIGATIONS AND ISOTOPE TECHNIQUES**

7<sup>th</sup> December 2006, 11.30 a.m to 1.45 p.m. session continued from 2.30 p.m to 3.30 p.m.

Chairman  
**Dr.S.M.Rao**

Co-Chairman  
**Dr. Y.Sudhakar Reddy**

Keynote  
**Dr. B. S. Sukhija**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	S.K.N.Math, R.N.Adihikari A.K.Singh, S.Manmo han And K.K.Reddy	Impact Of Water Harvesting Structure On Ground Water Quality In Semi Arid Region Of Andhra Pradesh
2	S.Sathiyamurthi S. Saravanan	Quality Parameters And Classification Of Irrigation Water Of Chidembaram Taluk Using GIS
3	S.F.R. Khadri	Hydro-Geological Investigations Of Akot Region, Akola District, Maharashtra, India With Special Reference To Groundwater Quality And Watershed Management
4	S.F.R. Khadri Trupti Wagh	Water Resources Management Of The Uma River Basin,Akola District, (Ms) With Reference To Groundwater Quality
5	Shiv Kumar Yogendra Kumar Vinod KumarH.C. Sharma, Nalini, Indubala	Water Quality Of Phreatic Aquifer And Gola River In Tarai Belt Of Udham Singh Nagar District And Bhabhara Belt Of Naintal District Of Uttaranchal
6	Dinesan V P, Dilna P T And Anto	Spatial Water Quality Information For An Urban Area In The Humid Tropics- A Case Study For Calicut Corporation
7	Prof.MadireddyV.Subba Rao & M.Ratnakumari	The Monitoring And Management Of Groundwater In India
8	R.V.Vidya Sagar <sup>1</sup> K. Dwarakanath	Impact Of Over Exploitation Of Ground Water On Fluoride Concentration In Ground Water In Dharmavaram Mandal, Anantapur District

9	M.V.Manjunatha G.S.Dasog Virupanagouda K.Meeyan Saheb V.Husenappa	Response of Groundnut to different methods of irrigation in tank command areas of Northern Karnataka
10	K.Ramesh And L.Elango	Assessment Of Groundwater Quality In The Intensively Irrigated Regions Of Tondiar River Basin, Tamil Nadu
11	Dr. J.N. Patel	Strategy For Improvement Of Groundwater Quality In The Coastal Area Near Tail Portion Of A River
12	Santhosh Kumar. R And S. Rajendran	GIS Application On Water Quality Studies Of The Coastal Aquifer, Central Kerala, India
13	C.Jodhi, s.syed enayathali, R.SABARINATH p.saravana natarajan	A study on physico chemical characteristics of groundwater around sugar mill industry
14	D. S. Jeere*, K. Shashidharan, A. GUHA AND V.W. Khangan	Groundwater quality in parts of Kuhu mineral belt area, Nagpur District, Maharashtra, India.
15	M. Sinha, Prem Babu, H.Y. Bhai & G. Gonnade	A Case study of Nitrate contamination of Ground Water in Pandharkawda Taluka, Yavatmal District, Maharashtra
16	Ankita K. Trivedi*Dr. A.S. Patel**	Quality Of Water In Sabarmati Basin
17	Paras Pujari*, P Pawan* , M Pradeep*, MV Nanoti MJ Nandan Jayaraja**, C Padmakar**, Kshirsagar** BA Prakash, K Mahesh Kumar, N PavanKumar, M. Ramesh, K. Krishna Kumar, VVS Gurunadharao and RN	Groundwater Quality around Sector I, Sector II and SEZ of Pitampur Industrial Area near Indore, M.P.

	Yadava**	
18	R. N. Tiwari And D. P. Dubey*	Study On Ground Water Quality Of Rampur Baghelan Area, Satna District, Madhya Pradesh, India
19	K.Tirumalesh <sup>1</sup> , U.P.Kulkarni <sup>1</sup> , A.S.Deodhar <sup>1</sup> , S.V.Navada <sup>1</sup> , P.S.Ramanjaneyulu <sup>2</sup> and A.K. Sanjukta <sup>3</sup>	Hydrochemical and isotope characterization of groundwaters of Kachchh region, Gujarat
20	D.G.KANSE, S.D.JADHAV, R.W.JAWALE, MS JADHAV	WATER QUALITY OF NIRA RIVER(MAHARASTRA, INDIA) A CASE STUDY
21	Dr.K.R.Suresh M.A.Nagesh	Influence of Sewage water on groundwater quality
22	S.G.Joshi K.Kulkarni	Grounhdwater quality Sceronia in Dharwad City, Karnataka

Technical session - viii

## IRRIGATION MANAGEMENT

7<sup>th</sup> December 2006, 11.30 a.m to 1.45 p.m. and session continued from 2.30 p.m to 3.30 p.m.

Chairman  
**Dr.P.B.S.Sharma**

Co-Chairman  
**Dr. C.Subba Rao**

Keynote  
**Dr. V.V.N.Murthy**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	A.K.Singh, R.N.Adhikari, P.K.Mishra, M.S.Rama Mohan Rao & M. Chandrappa	Traditional Tank Systems And Watershed Development Programme In Semi Arid Region Of Karnataka - A Case Study
2	B.Guna, Dr. G. Poyya Moli	Social Ecology Of Community Based Tank Rehabilitation And Irrigation Management In Bahour, Pondicherry
3	Dr. Harish Chandra	Optimal Cropping Pattern Based On Conjunctive Use In Richha Branch Canal Command Area
4	Vijay Shankar <sup>1</sup> , Csp Ojha <sup>2</sup> , K.S. Hari Prasad <sup>3</sup>	Effect Of Shallow Groundwater Table On The Moisture Depletion Pattern In Crop Root Zone
5	Vijay Shankar K.S. Hari Prasad Csp Ojha	Root Zone Moisture Depletion Based Irrigation Scheduling For Cash, Oil And Forage Crops Using Simulation Modelling
6	Lala I. P. Ray*, Narayan Bag, B. C. Mal And B. S. Das	Feasibility Study Of Irrigation Options With Aquaculture Waste Water
7	Dr. Mohd. Hussain,	Diagnostic Analysis Reports And Design Operation Plans Of Irrigation Projects As Basic Tools For Integrated Water Resources Management For Sustainable Crop Production: Case Studies

8	Narendra Agrawal, V.K. Pandey And H.G. Sharma	Effect Of Crop Geometry On The Growth And Yield Of Tomato Under Drip Irrigation
9	M.V.Zagade,S.A. Chavan, S. B. Bhagat, S.T.Thorat & M.S. Talathi	Effect of irrigation levels, polythene mulch and plant population on growth and yield of rabi groundnut (Arachies hypogaea L.)
10	S.T. Thorat, S.A. Chavan and B. P. Patil	Water use efficiency and consumptive use of water in polythene mulched groundnut as influenced by irrigation regimes, weed management and growth regulators
11	K.R.Karunakaran, C.Ramasamy And M. Chandrasekaran	Charaacterising Land And Water Resource Management For Sustaining Agricultural Production
12	R.C.Srivastava, P.Nanda,S.Ghosh, B.K.Nanda, L.K.Mohanty	Sustainable Water Resources Development Through Rain Water Management In High Rainfall Areas-A Solution For Total Water Management.
13	S P Sinha, Reeta Sinha & Dr S Kumar	Effect Of Participatory Irrigation Management In Palamau District, Jharkhand
14	R K Mahey, Krishan Kumar Vashist And S S Mahal	Furrow Irrigated-Furrow Transplanted Rice: Productivity, Irrigation Water Saving, Limitations and Research Leads under Punjab Conditions
15	Jayadeva, H.M. Denesh, G.R., Bhairappanavar, S.T. and Mallikarjuna, G.B.	VOLATILIZATION AND LEACHING LOSSES OF NITROGEN AS INFLUENCED BY IRRIGATION METHODS AND METHOD OF NITROGEN APPLICATION
16	VVS Gurunadha Rao, S Sankaran, BA Prakash and K Mahesh Kumar	Geo-Information Communication Technology (ICT) for Sustainable Agriculture in Muktsar District, Punjab: Imperatives

17	Y.Arunakar Reddy, Dr.G.K.Viswanadh, Dr. Mohd. Yaqoob,	Farm irrigation scheduling of kharif groundnut crop in Musi project
18	P.Sridevi, R. Ganesh babu, Ch. Srinivas, R.A. Raju.	Drainage Investigations for Reclamation of Saline Soils of Godavari Western Delta
19	G.P.Vadodaria <sup>1</sup> B.R.Chahar <sup>2</sup>	A Steady State Seepage To Ditch Drain-A Review Paper
20	J.Siddartha Kumar, K.Shiva Shankar	Impact Of Extensive Agricultural Practices On Ground Water Quality – A Case Study In Parts Of Guntur District, Andhra Pradesh.
21	A.D.Rao, K.Dwarkanath	Conjunctive Utilisation Of Surface And Ground Water In Sriramsagar Canal Command Area In Parts Of Karimnagar And Warangal Districts Of Andhra Pradesh-A Case Study
22	L.P.Chourasia	Environmental impact of irrigation in a part of matatila project command area of Madhya pradesh, india
23	M. Damodhara Rao <sup>1</sup> ; G. Bhatt <sup>2</sup> ; N. S. Raghuwanshi <sup>3</sup> And R. Singh <sup>4</sup>	Development Of An Interactive Software For Furrow Irrigation System
24	R.V. Kale <sup>1</sup> R. P. Singh <sup>2</sup> P. S. Mahar <sup>3</sup>	Optimization Technique To Select Pipes For Pressure Distribution Network
25	M.V.Manjunatha G.S.Dasog Virupanagouda K.Meeyan Saheb	Conjunctive use of Rainwater, tank water and bore well water for Optimum crop Productivity
26	M.V.Manjunatha H.Rajkumar M.Hebbara G.Ravishankar S.G.Patil	Impact of integrated drainage systems on soil salinity and crop yield
27	A.Srinivas Prasad N.V. Umamahesh G.K.Viswanath	Estimation of crop water requirements and optimal irrigation Scheduling of major crops under NRSC command area
28	B.Sari Sarraf	Land use planning of Southern slopes of Goshe-Dagh with special reference to the role of Salt

	U.Masoudifar D.Naghizadeh	Dome
29	L.G.Pawar B.P.Patil	Effect of early with drawl of S-W monsoon on performance of Kharif rice and possible alleviation of its yield loss by protective irrigation from diversion dams
30	K.Gopinath Srinivas V.Veeravalli	Gravemetric Analysis of Evaporation rate for different combinations of soil and sand

Technical session – ix  
**WATERSHED MANAGEMENT HYDROLOGICAL AND BIOPHYSICAL MODELS**  
7<sup>th</sup> December 2006, 11.30. a.m to 1.45 p.m.

Chairman  
**Dr.S.P.Wani**

Co-Chairman  
**Dr. S.C.Puranik**

Keynote  
**Dr. Prabhakar Pathak**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	A. Ghoshbobba And V.P.Singh	An Ecologically Sustainable Watershed Management Approach To Interbasin Water Transfer In India
2	Dr.A.A.Ansari & Vishal Gupta	Indigenous Techniques Of Soil And Water Conservation In The Siang Region Of Arunachal Pradesh, India.

3	M. P. Tripathi, P. K. Shrivastava And S. K. Dwivedi	Management Scenario For The Critical Sub-Watersheds Of Chhokranala Watershed In Chhattisgarh
4	S.Poongothai	Impact Assessment Of Watershed Management Of Thirumanikuzhi Watershed, Tamilnadu, India
5	Om Prakash	Adoption Of Vermicompost Technology By Farmers For Sustainable And Non-Violent Agriculture In India
6	M.S. Talathi <sup>1</sup> , B. P.Patil <sup>2</sup> , R. R. Khadse <sup>3</sup> , S. A. Chavan <sup>4</sup> and M. V. Zagade <sup>5</sup>	Combined Application of Organic Manures and Chemical Fertilizers for Sustaining Productivity Under Rice-Based Crop Sequences
7	G. Srinivas	Water Balance Studies In Kothakunta Watershed Programme
8	P.K.NAIK, G.C.PAT I,	Watershed Development approach in Ground Water Augmentation and its impact on agriculture in Nawapada district of, Orissa
9	P. Dey <sup>1</sup> , Peter Cornish <sup>2</sup> , S. Kumar <sup>3</sup> , D.N. Lawrence <sup>4</sup> , P.R. Bhatnagar <sup>5</sup> , Shane Norish <sup>6</sup> , Barry Crooks <sup>7</sup> , Dinabandhu Karmakar <sup>8</sup> , Arnab Chakraborty <sup>9</sup> and Ashok Kumar <sup>10</sup>	Participatory Technology Development and Delivery System: A New Paradigm in Agricultural Research
10	Rajesh Gupta, Debashish Sen Chetan Agarwal Satya Prasanna Bambam	Developing Incentive Based Mechanisms for Watershed Protection Services through Participatory Hydrological Studies
11	SP Sinha	Some hydrological models used for microwatershed development at Palamu division of

		Jharkhand state, India
12	V.Rama Krishna Rao P.V.S.Suryakumar	Participatory watershed management – NABARDS Initiative
13	A.Danandehmehr M.R.M.Tabatabai M.M.Vanolia	Benefit cost analysis was applied to provide an explicit economical basis for developing intergrated floodplain management plans
14	Dr.G.Jagmohan Das A.Jafari	Water Resources Management through Mathematical Conjunctive Use Modelling in Maheshwaram Watershed A.P. India.

Technical session – x  
**RESERVOIR SEDIMENTATION, CATCHMENT TREATMENT &EIA**  
7<sup>th</sup> December 2006, 3-45p.m. to 5-30 p.m.

Chairman  
**Dr. P.G.Sastry**

Co-Chairman  
**NWDA Director**

Keynote  
**Dr. E J James**

<b>S.N o</b>	<b>Name</b>	<b>Paper Title</b>
1	S. B. Deshmukh, Vinay K. Pandey And M. K. Jain	Monitoring And Assessment Of Sediment Yield From A Small Watershed Using Gis To Develop A Management Plan For Sustainable Agriculture
2	Needhidasan S*, Anji Reddy M**, And Thayumanavan S.,	Impact Assessment Study For Reservoir Project Using Rapid Impact Assessment Matrix (Riam) – A Case Study
3	Needhidasan S*, Anji Reddy M**, And Thayumanavan S	An Environmental Impact Assessment Study For Sathyamoorthy Reservoir Project – A Case Study
4	Dr B.K.Santani S.M. Yadav	Sediment Transport Characteristics With Special Reference To Transport Parameter And Flow Parameter Of Ambica River
5	Neena Isaac V. G. Bhava P. B. Deolalikar	Reservoir Sedimentation Studies For Lata Tapovan Hydro Electric Project
6	V. Jothiprakash* & Vaibhav Garg**	Estimation Of Sediment Retention In A Reservoir – A Case Study

7	G.K. Khadse, M.V. Nanoti And S. Devotta	Remote Sensing Based Catchment Area Treatment Plan In Greater Himalayan Region
8	Sanjay kumar, R.C.Purohit, maheh kothari	Impact of water harvesting measures on sedimentation capacity of lake
9	D.Anu A.P.Pounlashmi A.M.Ramiya R.Sathya V.S.Jeyakanthan S.Sanjeevi	Sub-Pixel classification of images for reservoir area estimation
10	Kirthimalhotra, naveen anand	<b>SILTING OF RESERVOIRS- A GIS APPROACH TO ANALYSE THE CAUSE AND TAKE PREVENTIVE MEASURES</b>
11	Om Prakash <sup>1</sup> K.Srinivasan <sup>2</sup> K.P.Sudheer <sup>3</sup>	Optimal Flood Control Operation of a River-Reservoir System Using Multi-Objective Genetic Algorithm

Technical session – xi  
**Water Quality, Pollution and Environment**  
 7<sup>th</sup> December 2006, 3-45 p.m. to 5-30p.m.

Chairman  
**Dr. K.Mukkanti**

Co-Chairman  
**Dr. G.Murali**

Keynote  
**Neeri Dir**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	Shaheen Begum, Dr.M.Rasul Jan, M.Nafees, Sahibzada, M, Adnan, Sameena Rehman	Determination Of Pesticide Residues In Soil And Water Of Selected Areas In NWFP, Pakistan
2	A Shahul Hameed, N Suvarna Kumari And Georgy Koshy	An Investigation On The Pollution Hazards To Groundwater Sources Around A Mining Area In Southern Kerala, India
3	Nutan Gupta <sup>1</sup> , A.K Tripathi, N.S.K Harsh <sup>2</sup>	Influence Of Industrial Effluents Being Released From Nearby Industries On The Physico-Chemical Profile And Aquatic Biodiversity Of Batawala River, Himachal Pradesh
4	R. K. Lad <sup>1</sup> , R. A. Christian <sup>2</sup> and A.W. Deshpande <sup>3</sup>	Fuzzy Modeling For River Water Quality Index: A Case Study
5	B L Shivakumar <sup>1</sup> , A S Ravi	Analysis And Interpretation Of Groundwater Quality Parameters2

	Kumar <sup>2</sup> , & S Gangadhar <sup>2</sup> M. Sameena <sup>3</sup> & G. Ranganna <sup>4</sup>	M. A Case Study For Suvarnamukhi Watershed (Karnataka)
6	P.Rajasekhar, T.I.Eldho, B.V.S . Viswanathan	Centrifuge Modelling Of Pollutant Transport In Porous Media
7	M.C.Somasekhara Reddy* And V.Nirmala	Equilibrium Studies On Adsorption Of Dyes On Low-Cost Agricultural By-Product, Bengal Gram Seed Husk
8	*R.R. Khapekar, *P. R. Chaudhari, **P. Wath And *S.R. Wate	Assessment Of Trophic Status Of Ambala Temple Tank At Ramtek, Maharashtra
9	Ramakrishnaiah C.R, C.Sadashivaiah, G.Ranganna	Investigation On Water Quality Status In Tumkur Taluk, Tumkur District, Karnataka
10	G.K. Khadse, P.M. Patni, M.V. Nanoti And S.Devotta	Qualitative Aspects Of Fresh Water Resources In Nagpur District, Maharashtra
11	Dr.mosses,k.v.s.g.muralikrishna, M.P.S.Muralikrishna	Application of chemometrics in river quality classification
12	Mrs.b.asha,ms.k.ezhisaivallabi, mrs.m.latha	Study of impact on groundwater pollution caused by prawn culture industry at ponnanthittu
13	M. Vikram Reddy And A. Vijay Kumar	Bio-Indicators Of Eutrophication Of Husainsagar Lake In Hyderabad (India)
14	VVS Gurunadha Rao, K Mahesh Kumar and BA Prakash	Persistence of Pesticide Residues in Groundwater of Ludhiana and Muktsar Districts, Punjab: PESTAN Model
15	Y.R.Satyaji Rao ,A.K.Keshari.A.K.Gosain	Nitrate leaching estimation due to septic systems in an urban coastal aquifer
16	G.Sreenivasa Rao,	Variation of ground water quality in urban industrial areas-a case study

	Dr.Y.Ellam raj	
17	D.G.Kanase S.D.Jadhav R.W.Jawale M.S.Jadhav	Water Quality of Nira River (Maharashtra , India) – A Case Study

Technical session – xii

**WATERSHED MANAGEMENT SOCIO- ECONOMIC & CULTURAL MODELS**

7<sup>th</sup> December 2006,2-30 p.m. to 3.30 p.m. and session continued from 3.45 p.m -5.30 p.m.

Chairman  
**Regional director NABARD**

Co-Chairman  
**Dr. P. Chengal Reddy**

Keynote  
**Dr. Madar Samad**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	M. K. Mishra <sup>1</sup> , A. K. Singh <sup>2</sup> , B. S. Kalra <sup>3</sup> , Birpal Singh <sup>4</sup> And Jagpal Singh <sup>5</sup>	Impact Evaluation Of A Community Managed Water Harvesting Structure Based Participatory Irrigation Management System A Case Study Of Sambhalwa Micro-Watershed In Markanda Watershed In Kandi Area Of Haryana
2	Dr. Mohd. Hussain	Capacity Building Of Water Resource Managers By Developing M.A.T.R.U.S.R.I Quotient In The Successful Implementation Of Participatory Management Of Water Resources Towards Sustainable Development
3	Om Prakash And B. Baboo	Community Participation In Watershed Development Programmes In India
4	Archana Purohit <sup>3</sup>	Integrated Natural Resource Management And Its Applicability For Tribal Livelihood Enhancement: Lessons From Pradan's Intervention In Purulia
5	Om Prakash, V.S.Katiyar	Impact Of Communication Methods Used By Farmers Of Watershed Areas In Bundelkhanda Region Of Central India
6	Omprakash, Y.V.R.Reddy	Role Of Ngo's In Participatory Integrated Watershed Development Programmes In Rainfed Areas Of India

7	S P Sinha, Reeta Sinha	Status Of Micro Watershed Development Project In Latehar District, Jharkhand
8	S P Sinha, S K Sinha, Reeta Sinha	Nuniya Nala Microwatershed In Palamau Division Of Jharkhand State: Impact Analysis
9	S P Sinha	Some Hydrological Models Used For Micro Watershed Development At Palamu Division Of Jharkhand State, India
10	Dr. Govinda Gowda. V, Dr. Sathish A	Strengthening of Institutional linkages for Sustainable Management of Natural Resources- An Experience of SUJALA Watershed Project
11	Kiran C. Shinde And Anand V. Shivapur	Socio Economic And Cultural Aspects In Watershed Management Projects
12	Dr. K. A. Patil <sup>1</sup> and G. D. Kale <sup>2</sup>	Impact of Kachhighati Watershed Development Project on Economic, Social And Psychological Status of Peoples of Watershed In Semiarid Region of Maharashtra
13	K. Tirupathaiah, V. K. Jyothirmai	Women empowerment through natural resources management
14	Dr. N. R. Samal., R. v. raman, A. singh, Dr. V. singh, Dr. k. s. p. singh	Water privatization – pricing and conservation
15	Kiran Kumar T Kumara Swamy N Abbaiah G	People participation is a key factor for success of a watershed programme – A case study

Technical session – xiii

**CLIMATE CHANGE, WATER SCARCITY & ENVIRONMENT**

8<sup>th</sup> December 2006,9-00a.m to 11-15 a.m., session continued from 11-30 a.m to 1-45 p.m.

Chairman

**Dr. Jeevananda Reddy**

Co-Chairman

**IMD Director**

Keynote

**Dr. A.A.L.N.Sharma**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	A. Ghoshbobba And Raja S. Bobba	Climate Change Impacts On Human Health
2	Talebi, Mohammed Sadegh	The Effect Of Climate Changes On The Sub Terrain Canal
3	Dr.Majid Javeri	The Using From Climatic Monitoring Methods In Precipitation Forecasting As Important And Effective Method In Water Resource Management
4	Sujana Dhar And Asis Mazumdar	Water Productivity Study Of An Agricultural Watershed Under The Threat Of Climate Change
5	S P Sinha, Reeta Sinha & M K Sahay	Water Scarcity And Scope Of Improvement In Palamau District, Jharkhand, India
6	<sup>1</sup> shivanna, . H. And <sup>2</sup> koppad, A.G	Climate Change And Environment
7	AALN.Sarma And Tv.Lakshmi Kumar	Some Studies On The Effects Of Climate Change On Indian Hydrological Cycle
8	Mishra A.	Water Scarcity – The Biggest Crisis Of All

	anuranjanmishra	
9	A.K.Mekvan & Dr. A.A.Ansari,	The Topography & Water Scarcity In The Dangs District, South Gujarat.
10	Dr. S. Jeevananda Reddy	Effect Of Climate Change On Water And Environment
11	Ashish Anthwal <sup>1</sup> , Archana Sharma <sup>2</sup> , B.P Nautiyal <sup>3</sup> , Nutan Gupta <sup>4</sup>	Impact Of Climate Change On Vegetation And Glacier Of Dina Gad Catchment, Uttarkashi, Garhwal Himalaya, Uttaranchal.

Technical session – xiv  
**URBAN HYDROLOGY AND WATER & WASTEWATER TREATMENT TECHNOLOGIES**

8<sup>th</sup> December 2006, 9.00 a.m to 11.15 a.m..

Chairman  
**Sri. Rajeshwar Tiwari IAS**

Co-Chairman  
**Dr. Akella**

Keynote  
**Dr.K.V.Jayakumar**

S.No	Name	Paper Title
1	V. Raveendra Kumar <sup>1</sup> , P. Srinivas <sup>2</sup>	Design Of Sewage Treatment System For Puda And Usage Of Treated Wastewater For Irrigation
2	P. Pal, D. Bhattacharyay, P Saha, P.Sarkar*	Electrochemical Detection of Arsenic & its Removal from Drinking Water
3	M.Sasikala, K.Gopalakrishna	Performance Studies Of Hybrid Reactor For The Treatment Of Sago Waste Water
4	V.Deeptha, G.Bhaskar, R.Sathyanathan	Nutrient Reduction And Pollutants Removal From Agricultural Runoff Using Constructed Wetlands.
5	P.V.Durge, P.V.Nagaranaik	Super Elevation And Energy Loss In Channel Bend Flocculator
6	K. Pavan Kumar <sup>1</sup> and K. V. Jaya Kumar <sup>2</sup>	Urban Storm Sewer Design Using Storm Cad
7	L. Srinivas Naik, Suman Kumar Burnwal	Urban Storm Water Management
8	Leif Wolf, Heinz Hötzl	Managing urban water systems in conjunction with urban groundwater to mitigate the impact of large agglomerations on the watershed.
10	Raaj. Ramsankaran	Arcview Gis Applications In Stormwater Management

Technical session – xv  
**RAINWATER HARVESTING AND DRINKING WATER SUPPLIES**

8<sup>th</sup> December 2006, 9.00 a.m to 11.15 a.m.

Chairman  
**Sri.Rajeshwara Rao**

Co-Chairman  
**Dr. P.Lakshmi Narayana**

Keynote  
**Dr. D.Muralidaran**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	James Mwami	Rain Water Harvesting Initiates Development
2	Sattar Chavoshi, Mohd. Reza Yazdani	The Key Role Of Rain Water Harvesting Techniques On Water Scarcity Mitigation Of Arid Lands
3	Thark Bahadur Shah	Local Community Participate & Management for use of Water in Irrigation and Domestic Purpose, a study report of far-western part of Nepal.
4	Shrinivas Badiger, Noel Ramesh Aloysius	Drought Proofing Arid Region Agricultural Productivity: Role Of Rainwater Harvesting On Augmenting Groundwater Resources For Irrigation
5	R. Amarnath Babu	Economical Analysis Of Rooftop Rain Water Harvesting Structure
6	Capt Nitin P Sonaje	Rain Water Harvesting At Lasalgaon, Dist – Nashik (Maharashtra)
7	R. K. Lad <sup>1</sup> , V. M. Thorat <sup>2</sup> , R. A. Christian <sup>3</sup> And A. W. Deshpande <sup>4</sup>	Fuzzy Rule Based Approach To Evaluate Roof Top Rain Water Harvesting System –A Case Study
8	<sup>1</sup> koppad, A.G. And <sup>2</sup> shivanna, H.	Roof Water Harvest: Better Option To Meet Drinking And Domestic Water Requirement.

9	Prof . Madan Mohan Bag	Rain Water Harvesting (Rwh) For Sustainable Development.
10	V.M.Natraj, N.G.Nikam	Rainwater Harvesting-A Tool In Water Management Case Study Of College North Campus
11	Anil Kumar	An Integrated Approach For Water Resource Management In Mountainous Regions Of Uttaranchal
12	Dr. K.A.Patil G.K.Patil	Feasibility Study Of Rain Water Harvesting For Government College Of Engineering, Aurangabad Campus
13	<b>Chandankeri.G.G.</b> <b>and</b> <b>Brinda Ayer</b>	Rainwater Harvesting And Greenhouse Horticulture In Peri-Urban Areas – Conserving Water In An Urbanising Scenario
14	Dr. D.R. Patel	Artificial Recharging In Sukhand Sub Watershed Of Marwahi Block Bilaspur, Chhattisgarh, India
15	Prof.B.L.Shivakumar	Artificial Recharge Of Groundwater Utilizing Roof Top Rainwater Harvesting –A Case Study
16	Dr.G.K.Viswanadh P.Anil Kumar	Rainwater harvesting as a Solution to water crisis
17	Anil Kumar Devendra kumar	Sustaining agricultural productivity under meteorological drought in hilly areas
18	Dr .Paulomi vyas	Role of Non government organization in rain water harvesting and drinking water supplies in Gujarat case study

Technical session – xvi  
**SEAWATER INTRUSION, HYDROLOGY OF COASTS & THEIR ENVIRONMENT**

8<sup>th</sup> December 2006, 2-30 p.m. to 3.45 p.m.

Chairman  
**Dr.P.Rajendra Prasad**

Co-Chairman  
**Dr. K. Ramamohan Reddy**

Keynote  
**Dr. Ghosh Bobba**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	A. Ghoshbobba And Y.S.Rao	Application Of Numerical Model To Predict Pollutants In Deltas Of The East Coast Of India Due To Human Activities
2	Shivanna,. H. & Koppad, A.G	Water Resource Use And Management
3	Santhosh Kumar. R And S. Rajendran	Studies On Saltwater Intrusion In The Coastal Aquifers Of Central Kerala, India.
4	B.Veera Narayan*,PN Sridhar*,T.Sirish Chandra	Estuarine Circulation Of Dhamra River, Orissa, Using Remmote Sensing Data
5	A.R.S.Kumar and K.Bhaskara Rao	Sea water intrusion and its effect on water quality in Godavari esturary.
6	V.P.Parekh A.S.Patel	Geochemical assessment of seawater intrusion preventive structures of Saurashtra region, Gujarat
7	S.Balaji B.Venkateswarlu	Demarcation of fresh water aquifers in coastal tracts of Trichur dt, Kerala state using geophysical logging

Technical session – xvii  
**RS & GIS APPLICATIONS IN WATER RESOURCES**

7<sup>th</sup> December 2006, 11.30 a.m – 1.45 p.m. and session continued from 11.30 a.m – 1.45 p.m.

Chairman  
**Dr.I.V.Murali Krishna**

Co-Chairman  
**Dr. Mruthunjaya Reddy**

Keynote  
**Dr.K.Radha Krishnan**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	R.Naghdi. E.Taghvai Salimi And I.Bagheri	Evaluation Of Reverine Lands And Forests Using Rs And Gis Techniques In Sepidrood Watershed Basin (Northern Iran)
2	A.A.Kulkarni * & S.P.Aggarwal **	Quantitative Morphometric Analysis Using Gis For Sub-Watershed In Ujjani Catchment, India
3	Ayad Ali Faris & Y.Sudhakar Reddy	Application Of Gis In Morphometric Parameters Calculation Of Kandakuru Vagu Basin Nalgonda Dd .A.P.
4	S. Saravanan <sup>1</sup> K. Sonamani Singh <sup>2</sup>	Rain Water Harvesting Techniques In The Gis-Remote Sensing Environment As A Means To Narrow The Demand-Supply Gap: A Case Study
5	Raaj. Ramsankaran*, S.K. ghosh, u.c. kothyari	Recent Advances In Remote Sensing For Hydrology
6	Mahesh Kumar Jat Deepak Khare , P. K. Garg	Urbanisation And Geomorphological Changes: A Study Of Urbanized Watersheds Using Spatial Technology
7	A.S.Nain, Diwakar Naidu, S R Patel, A.S.R.A.S. Sastri*	Roadmap For Overcoming Water Scarcity In Chhattisgarh
8	B.N.Malleswara Rao, N.V.Umamahesh	Spatial Decision Support System For Identification Of Water Harvesting Structure Using GIS

9	S P Sinha	Remote Sensing And GIS Applications In Water Resource Development
10	Ajanta Goswami*, Dr. Sanjay K Jain**, Dr. Arun K. Saraf***	Influence Of Topography In Snow Distribution In Satluj Basin
11	Hasmukh Kumar H. K. Mittal R.S.Singh	Delineation and morphometric analysis of micro-watershed using remote sensing and GIS
12	M.V.S.S.Giridhar <sup>1</sup> and Dr.G.K.Viswanadh <sup>2</sup>	Evaluation of Land Use Land Cover Changes in a Sub Basin of River Krishna using GIS and NDVI
13	A.T.Jeyaseelan & Anu Rani Sharma	Use of NDVI and NDWI from IRS-P6 (RESOURCESAT) AWIFS data for crop health and moisture status monitoring over Maharashtra State
14	Mynarbabu Panduga and Prof. V.Venkateswara Rao	Studies of Soil Erosion and Identification of Groundwater Potential Zones in part of Raiwada Reservoir Catchment Using RS and GIS
15	A.S.Ravikumar <sup>1</sup> , Inayathulla <sup>1</sup> and H.B.Balakrishna <sup>2,*</sup>	Evaluation Of Morphometric Parameters Of T G Halli Watershed Using Remote Sensing And Geographic Information System
16	E. Siva Sankar, K. Vijay Babu, S. Srinivasulu	Snowmelt runoff modeling in Sutlej basin using illumination index
17	Dr.A.S.Patel <sup>1</sup> N.J.Shrimali <sup>2</sup> A.L.Guruji <sup>3</sup>	Morphometric Analysis Of Machhan River Basin, Dahod District, Gujarat State.
18	Sathish, A., <sup>2</sup> Badrinath, M.S. and <sup>3</sup> Prabhakar, K.S.	Development of water resources of Pavagada Taluk, Tumkur District, Karnataka (South India) using Remote Sensing and GIS
19	B.S.Prakash Rao,	Prioritization of watersheds for Soil Conservation in Godavari River Basin using Remote Sensing and GIS

	E.Amminedu, V. Venkateswara Rao and P. Srikanth	Techniques
20	M. Lilly Padmaja Joshi	Comparison Of Capacity Evaluation Studies Of Pampa Reservoir In A.P. Using Hydrographic And Remote Sensing Technologies- a case Study.
21	G. Venkata Ramana	Integrated Approach To Watershed Management Using Remote Sensing And Geographical Information System
22	Mahesh K. Jat <sup>a</sup> Deepak Khare <sup>b*</sup> P. K. Garg <sup>c</sup>	Impact Of Impervious Surfaces On Watershed Hydrology And Hydro-Geology: A Case Study Of Ajmer (India)
23	Dr. Satish A Dr. Govinda Gowda V	Adoption of Remote Sensing and GIS in Sujala watershed Project – A methodological approach
24	Kirthimalhotra, Abhinav Charan	Hydrological Disasters Mitigation And Management Simulation Using Gis
25	K. Abdul Hakeem and P.V. Raju	Use of High Resolution Satellite Data for Tank Irrigation Management

Technical session – xviii  
**INTER BASIN TRANSFER**  
8<sup>th</sup> December 2006, 11.30 a.m to 1.45 p.m.  
Co-Chairman  
**Sri. J.Venkatesh**

Chairman  
**Dr. V.B.Patel**

Keynote  
**Sri. V.K.Jyothi**

<b>S.No</b>	<b>Name</b>	<b>Paper Title</b>
1	Shri Nitin Mohite* Prof. Sandeep Narulkar	Screening Multipurpose Reservoir Systems For Interbasin Transfer In India
2	Prof.Madireddy, V.Subba Rao	Present Day Planning And Management Of Water Resources In India
3	R. S. Goel, V.B. Patel	Inter-Basin Transfers And Resolving Conflicts – Challenges & Prospects
4	Debabrata Maji	Integrated Water Resources And Hydropower Development In Ne-Region
5	Dr G.Abbaiiah H. Mahabaleswara	Inter- basin Transfers and Resolving Conflicts
6	*B.S.Prakasa Rao, *E.Amminedu *C. Nagaraju and **M.Satya Kumar	IRS-1D WiFS Study on Interlinking of Rivers in Peninsular Region, India