

# **Schedule of Continuing Professional Development Programmes (Division - wise) 2010 - 2011**

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**Note :** ESCI also conducts training programmes to meet specific requirement of organizations. These are held either at ESCI Campus or at other locations desired by the sponsoring organizations.

## CENTRE FOR CLIMATE CHANGE

| SI.No. | Title of the Programme   | Dates        | Duration |
|--------|--|--------------|----------|
| 1      | Clean Development Mechanism (CDM) and Carbon Trading for Power Sector  | 19 – 23 Apr  | 5d       |
| 2      | Clean Development Mechanism (CDM) for Forestry Sector  | 26 – 28 May  | 3d       |
| 3      | Climate Change & Water Resources, Use and Management – Service and Industrial Sector                           | 16 – 18 June | 3d       |
| 4      | ISO 14001:2004 Lead Auditor Training Programme   | 19-23 Jul    | 5d       |
| 5      | Kyoto Protocol Programme of Activities (PoA) for multiple Clean Development Mechanism (CDM) Projects           | 11 – 13 Aug  | 3d       |
| 6      | Corporate Green House Gas Inventorisation for Software and Service Sector                                      | 15 – 17 Sept | 3d       |
| 7      | Clean Development Mechanism (CDM) and Carbon Revenue from Energy Efficiency in Buildings (Construction Sector) | 05 – 07 Oct  | 3d       |
| 8      | Clean Development Mechanism (CDM) and Carbon Trading for Energy Conservation and Energy Efficiency Sector      | 22 – 26 Nov  | 5d       |
| 9      | Clean Development Mechanism (CDM) Projects for Waste Management and Utilisation Sector                         | 14 – 16 Dec  | 3d       |
| 10     | ISO 14001 : 2004 Lead Auditor Training Programme   | 17 – 21 Jan  | 5d       |
| 11     | Green House Gas Inventorisation for Industrial Sector – Project Level GHG Accounting                           | 15 – 17 Mar  | 3d       |

### Short Term Certificate Courses

1. Clean Development Mechanism (CDM), Joint Implementation (JI) – Carbon Market and Trading
2. Climate Sciences - Climate Modeling, Analysis and Reporting

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## CIVIL & TRANSPORTATION ENGINEERING

| SI.No. | Title of the Programme   | Dates         | Duration |
|--------|--|---------------|----------|
| 1      | Safety Management in Construction Industry   | 21 – 23 April | 3d       |
| 2      | Construction and Maintenance of Concrete Roads   | 03 – 07 May   | 5d       |
| 3      | Contract Management and Dispute Resolution in Civil Engineering Projects                       | 17 – 21 May   | 5d       |
| 4      | e-Procurement in Engineering Projects  | 08 – 11 June  | 4d       |
| 5      | Soil Investigations & Ground Improvement Techniques in Infrastructure Development              | 16 – 18 June  | 3d       |
| 6      | Leakages and Water Proofing Treatment in Buildings   | 22 – 25 June  | 4d       |
| 7      | Project Management in Construction Industry  | 05 – 08 July  | 4d       |
| 8      | Quality Assurance & Quality Control in Road Construction                                       | 14 – 16 July  | 3d       |
| 9      | Impact Assessment of Infrastructure Development on Traffic Management                          | 20 – 22 July  | 3d       |
| 10     | High Rise Buildings – Planning, Construction & Maintenance                                     | 05 – 07 Aug   | 4d       |
| 11     | Good Maintenance Practices for Durability of Structures  | 16 – 19 Aug   | 4d       |
| 12     | Advance FEM and Programming for Civil & Mechanical Engineers                                   | 23 – 26 Aug   | 4d       |
| 13     | Quality Management in Building Construction  | 14 – 18 Sept  | 5d       |
| 14     | Road Safety Management   | 22 – 24 Sept  | 3d       |
| 15     | Tunneling in Highway, Railway & Irrigation Projects  | 27 – 30 Sept  | 4d       |
| 16     | Foundation Failures and Remedial Measures  | 04 – 08 Oct   | 5d       |
| 17     | Destructive and Non Destructive Testing Methods for Civil Engineering Materials and Structures | 26 – 29 Oct   | 4d       |
| 18     | Repair Rehabilitation and Retrofitting of Buildings – Diagnosis and Preventive Actions         | 08 – 12 Nov   | 5d       |
| 19     | Role of Public Transport in Traffic Management   | 18 – 20 Nov   | 3d       |
| 20     | Quality Assurance & Quality Control in Civil Engineering Construction Projects                 | 23 – 26 Nov   | 4d       |
| 21     | Flexible Pavements and Overlays – Design, Construction and Maintenance                         | 06 – 09 Dec   | 4d       |
| 22     | e-Procurement in Engineering Projects  | 20 – 23 Dec   | 4d       |
| 23     | Project Management in Construction Industry  | 18 – 21 Jan   | 4d       |
| 24     | Quality Assurance & Quality Control in Road Construction                                       | 27 – 29 Jan   | 3d       |
| 25     | Leakages and Water Proofing Treatment in Buildings   | 08 – 11 Feb   | 4d       |
| 26     | Contract Management and Dispute Resolution in Civil Engineering Projects                       | 21 – 25 Feb   | 5d       |
| 27     | Urban Transport Planning & Operation Management  | 08 – 10 Mar   | 3d       |
| 28     | Pavement Management Systems (Flexible, Composite and Rigid)                                    | 15 – 18 Mar   | 4d       |

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## ENVIRONMENT MANAGEMENT

| SI.No. | Title of the Programme  | Dates        | Duration |
|--------|---|--------------|----------|
| 1      | Environmental Legislations in India – Interpretation and Implementation                           | 21 – 23 Apr  | 3d       |
| 2      | Water Audit – Leakage Control and Rectification Methods   | 11 – 13 May  | 3d       |
| 3      | Storm Water Management & GIS Applications – Planning, Design and Maintenance                      | 18 – 20 May  | 3d       |
| 4      | R&R Issues in Development Projects – Principles and Practices                                     | 25 – 27 May  | 3d       |
| 5      | Compliance to Zero Discharge Norms in Distilleries – Technical Challenges & Solutions             | 03 – 05 June | 3d       |
| 6      | Municipal Solid Waste Management – Collection, Handling, Disposal and Recovery Options            | 15 – 19 June | 5d       |
| 7      | Instrumentation and SCADA Applications in Water & Waste water Management                          | 23 – 25 June | 3d       |
| 8      | Underground Sewerage Systems (UGS) – Design, Operation & Maintenance                              | 05 – 09 July | 5d       |
| 9      | Current Requirements in EIA – Process & Procedures as per MoEF Guidelines                         | 21 – 23 July | 3d       |
| 10     | Design Layout Planning of Water Distribution Network with Software Applications                   | 28 – 30 July | 3d       |
| 11     | Environmental Issues in Mining Sector – Legal and Statutory Requirements (as per MoEF Guidelines) | 05 – 07 Aug  | 3d       |
| 12     | Environmental & Social Issues in Highway Sectors  | 19 – 21 Aug  | 3d       |
| 13     | Public Private Participation for Urban Local Bodies   | 24 – 26 Aug  | 3d       |
| 14     | Bio Medical Waste Management – Handling and Safe Disposal Options                                 | 07 – 09 Sept | 3d       |
| 15     | Treatment Methodologies for Quality Drinking Water Supply Systems                                 | 14 – 16 Sept | 3d       |
| 16     | Selection, Operation & Maintenance of Air Pollution Control Equipment                             | 22 – 24 Sept | 3d       |
| 17     | Design, Operation & Maintenance of Sewage Treatment Plants – Reuse and Recycle Options            | 18 – 22 Oct  | 5d       |
| 18     | Design, Operation and Maintenance of Water Supply Systems – with RS & GIS Applications            | 26 – 30 Oct  | 5d       |
| 19     | Water & Wastewater Management in Paper & Pulp Industries  | 02 – 04 Nov  | 3d       |
| 20     | Advanced Technologies for Water & Wastewater Treatment  | 17 – 19 Nov  | 3d       |
| 21     | Instrumentation and SCADA Applications in Water & Waste water Management                          | 02 – 04 Dec  | 3d       |
| 22     | Environmental Challenges & Solutions in Cement Industries   | 08 – 10 Dec  | 3d       |
| 23     | Design and Layout Planning of Water Distribution Network with Software Applications               | 21 – 23 Dec  | 3d       |
| 24     | Underground Sewerage Systems – Design, Operation & Maintenance (UGS)                              | 03 – 07 Jan  | 5d       |
| 25     | Current Requirements in EIA – Process & Procedures as per MoEF Guidelines                         | 18 – 20 Jan  | 3d       |
| 26     | RS & GIS Applications for Urban Water Management  | 01 – 05 Feb  | 5d       |
| 27     | Environmental Issues in Mining Sector – Legal and Statutory Requirements (As per MoEF Guidelines) | 15 – 17 Feb  | 3d       |
| 28     | Environmental Issues, Challenges & Solutions for Power Plants                                     | 02 – 04 Mar  | 3d       |

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## INFORMATION TECHNOLOGY

| SI.No. | Title of the Programme   | Dates            | Duration |
|--------|--|------------------|----------|
| 1      | CAD for Civil Engineers  | 12 -16 Apr       | 5d       |
| 2      | Business Intelligence using Data Warehousing and Data Mining     | 19 – 21 Apr      | 3d       |
| 3      | Software Testing Techniques & Automation Tools                   | 03 – 07 May      | 5d       |
| 4      | Linux Administration   | 17 – 21 May      | 5d       |
| 5      | IT Applications in Finance Management for Non Finance Executives | 07 – 10 June     | 4d       |
| 6      | Network Design and Implementation                                | 28 Jun – 02 Jul  | 5d       |
| 7      | Enterprise IT Applications : ERP, CRM and DMS                    | 12- 14 Jul       | 3d       |
| 8      | Oracle Database Administration                                   | 26 – 31 Jul      | 6d       |
| 9      | Implementation of e-Learning                                     | 05 – 07 Aug      | 3d       |
| 10     | Web Technologies   | 16 – 20 Aug      | 5d       |
| 11     | Preparatory Course for CCNA                                      | 14 – 18 Sept     | 5d       |
| 12     | Embedded Systems Testing   | 27 Sept – 01 Oct | 5d       |
| 13     | Conceptualisation and Implementation of DATA Centers             | 04 – 06 Oct      | 3d       |
| 14     | Application of IT Tools for Project Management                   | 25 – 28 Oct      | 4d       |
| 15     | RS, GIS, GPS and IT Applications                                 | 08 – 12 Nov      | 5d       |
| 16     | Windows Server Administration                                    | 22 – 26 Nov      | 5d       |
| 17     | Oracle 10g Forms and Reports with MS Windows                     | 06 – 10 Dec      | 5d       |
| 18     | IT Applications for Paperless Organisation                       | 13 – 16 Dec      | 4d       |
| 19     | Real Time Operating Systems                                      | 20 – 23 Dec      | 4d       |
| 20     | .Net Framework and ASP .Net                                      | 03 – 07 Jan      | 5d       |
| 21     | Network Monitoring and Management                                | 17 – 21 Jan      | 5d       |
| 22     | Software Testing and Quality Assurance                           | 07 -11 Feb       | 5d       |
| 23     | Advanced Mobile Communications for Security                      | 21 – 25 Feb      | 5d       |
| 24     | Microsoft SQL Database Administration                            | 21 – 25 Feb      | 5d       |
| 25     | Web Technologies   | 07 -11 Mar       | 5d       |
| 26     | Competency Enhancement with MS Office Application                | 15 - 17 Mar      | 3d       |

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## MANAGEMENT & TECHNOLOGY

| SI.No. | Title of the Programme  | Dates        | Duration |
|--------|---|--------------|----------|
| 1      | Advances in Process Instrumentation   | 13 – 15 Apr  | 3d       |
| 2      | Advances in Welding Technologies and its Applications                                       | 27 – 29 Apr  | 3d       |
| 3      | Current Practices in Machine Tool Maintenance   | 12 – 14 May  | 3d       |
| 4      | Communication Skills for Engineers and Executives   | 25 – 27 May  | 3d       |
| 5      | Centrifugal and Reciprocating Compressors – Problems and Remedial Methods                   | 08 – 10 June | 3d       |
| 6      | Advances in Drilling and Blasting Technologies and Practices for Mining Engineers           | 15 – 19 June | 5d       |
| 7      | Personality Development for Engineers and Executives  | 23 – 25 June | 3d       |
| 8      | Advances in Tool Engineering and Design   | 06 – 08 July | 3d       |
| 9      | Leadership Skills for Engineers and Executives  | 15 – 17 July | 3d       |
| 10     | Finance for Non Finance Executives  | 28 – 30 July | 3d       |
| 11     | GIS and GPS Applications in Mining Practice   | 10 – 12 Aug  | 3d       |
| 12     | Operations Management in Hospital Services  | 18 – 20 Aug  | 3d       |
| 13     | Industrial Lubricant Management   | 25 – 27 Aug  | 3d       |
| 14     | Advances in Corrosion and Surface Engineering   | 07 – 09 Sept | 3d       |
| 15     | Corporate Social Responsibility – Triple Bottom Line Approach                               | 21 – 24 Sept | 4d       |
| 16     | Achieving Excellence in Engineering Education   | 28 – 30 Sept | 3d       |
| 17     | Conflict Management and Problem Solving for Engineers and Executives                        | 06 – 08 Oct  | 3d       |
| 18     | Vibrations and Balancing of Rotating Machinery in Heavy Industries and Power Plants         | 20 – 22 Oct  | 3d       |
| 19     | Organisation of Effective Materials Management System                                       | 26 – 28 Oct  | 3d       |
| 20     | Non – Destructive Testing and Failure Analysis of Castings, Forgings, Weldments and Tubes   | 09 – 11 Nov  | 3d       |
| 21     | Transactional Analysis for Managerial Effectiveness for Engineers and Executives            | 17 – 19 Nov  | 3d       |
| 22     | Best Practices in Operation and Maintenance of Large Heat Exchangers                        | 24 – 26 Nov  | 3d       |
| 23     | Leadership and Technical Project Management   | 06 – 10 Dec  | 5d       |
| 24     | Emotional Intelligence and Interpersonal Skills for Engineers and Executives                | 21 – 23 Dec  | 3d       |
| 25     | Explosive Induced Ground Vibrations, Air Blast – Its Effective Control for Mining Engineers | 04 – 06 Jan  | 3d       |
| 26     | Organisational Excellence through Balance Score Card  | 25 – 27 Jan  | 3d       |
| 27     | Artificial Intelligence and Image Processing Technologies                                   | 09 – 11 Feb  | 3d       |
| 28     | Advances in Condition Monitoring - Theory and Practical Training                            | 22 – 24 Feb  | 3d       |

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## POWER & ENERGY

| SI.No. | Title of the Programme   | Dates        | Duration |
|--------|--|--------------|----------|
| 1      | Reactive Power Management in Power Systems   | 05 – 09 Apr  | 5d       |
| 2      | Pilferage of Electricity Detection & Prevention  | 13 – 15 Apr  | 3d       |
| 3      | Electricity Act 2003 – Competition in Supply – Challenges in Open Access, Regulatory and Market Perception | 19 – 23 Apr  | 5d       |
| 4      | O&M of Gas Turbines  | 26 – 30 Apr  | 5d       |
| 5      | Elements of Power System Protection  | 03 – 07 May  | 5d       |
| 6      | Best Practices in Distribution System – Operation & Maintenance (DRUM)                                     | 10 – 14 May  | 5d       |
| 7      | 400 KV/220 KV Substations – Design, Operation & Maintenance  | 17 – 21 May  | 5d       |
| 8      | Governing and Protection of Steam Turbines   | 24 – 28 May  | 5d       |
| 9      | Application of SCADA and EMS in Power Utilities  | 27 – 29 May  | 3d       |
| 10     | Earthing Practices in Electrical Installations   | 01 – 03 June | 3d       |
| 11     | Disaster Management in Transmission systems  | 08 – 10 June | 3d       |
| 12     | Technology Advances in Metering, Billing and Collection  | 15 – 17 June | 3d       |
| 13     | Optimisation of Thermal Power Stations   | 21 – 25 June | 5d       |
| 14     | Tariff Philosophy and Regulatory Practices, Issues and Challenges  | 05 – 09 July | 5d       |
| 15     | High Voltage Distribution System – 1 ph, and 3 ph  | 13 – 15 July | 3d       |
| 16     | Design, Construction, Operation & Maintenance of Transmission Lines  | 19 – 23 July | 5d       |
| 17     | Renovation & Modernization of Hydro Power Stations   | 26 – 30 July | 5d       |
| 18     | Distribution Business Management and IT Based Solutions (DRUM)   | 10 – 12 Aug  | 3d       |
| 19     | Environmental Issues Relating to Transmission Lines  | 17 – 19 Aug  | 3d       |
| 20     | Condition Monitoring & Residual Life Assessment in Power Plants  | 23 – 27 Aug  | 5d       |
| 21     | Design Features and Operations of Gas Insulated Substations  | 01 – 03 Sept | 3d       |
| 22     | Failure of Transformers – Remedial Measures  | 14 – 18 Sept | 5d       |
| 23     | Techno Economics of Power System Operation   | 20 – 24 Sept | 5d       |
| 24     | Best Practices in O&M of Wind Mills  | 28 – 30 Sept | 3d       |
| 25     | Reactive Power Management in Power Systems   | 04 – 08 Oct  | 5d       |
| 26     | Pilferage of Electricity Detection & Prevention  | 12 – 14 Oct  | 3d       |
| 27     | Perspective Power System Planning and Design   | 20 – 22 Oct  | 3d       |
| 28     | Energy Efficiency in Operation and Maintenance in ESPs   | 26 – 28 Oct  | 3d       |
| 29     | Internal Efficiency Improvement in Discoms   | 08 – 12 Nov  | 5d       |
| 30     | Quality improvement in EHV Substations   | 15 – 20 Nov  | 6d       |
| 31     | Remote substation Monitoring and Control through SCADA   | 22 – 26 Nov  | 5d       |
| 32     | Best Practices O&M of Coal Mills   | 23 – 25 Nov  | 3d       |
| 33     | Earthing Practices in Electrical Installations   | 01 – 03 Dec  | 3d       |
| 34     | Network Planning and Analysis Employing GIS  | 07 – 09 Dec  | 3d       |
| 35     | Total Quality Management in Thermal Power Stations   | 14 – 18 Dec  | 5d       |
| 36     | Failure Analysis of Synchronous Generators   | 21 – 23 Dec  | 3d       |
| 37     | Energy Audit and Loss Reduction in T&D Systems   | 28 – 30 Dec  | 3d       |
| 38     | Performance Benchmarking and Quality of Supply and Service (DRUM)  | 04 – 06 Jan  | 3d       |
| 39     | Quality Management in Construction and Maintenance of Transmission Lines                                   | 17 – 21 Jan  | 5d       |
| 40     | Energy Efficiency in O&M of Industries   | 18 – 20 Jan  | 3d       |
| 41     | Best Practices in Coal & Ash Handling Plants in Thermal Power Plants                                       | 27 – 29 Jan  | 3d       |
| 42     | Earthing Practices in Electrical Installations   | 01 – 03 Feb  | 3d       |
| 43     | Supply and Demand Side Management – Cost Reduction and Loss Reduction                                      | 09 – 11 Feb  | 3d       |
| 44     | Electrical Safety Procedures and Accident Prevention   | 15 – 17 Feb  | 3d       |
| 45     | Best Practices in Water Chemistry in Thermal Power Stations  | 22 – 24 Feb  | 3d       |
| 46     | Failure of Transformers and Remedial Measures  | 01 – 05 Mar  | 5d       |
| 47     | Best Practices Distribution Loss Reduction (DRUM)  | 08 – 10 Mar  | 3d       |
| 48     | Power Trading Power Exchanges and Merchant Power Plants  | 15 – 17 Mar  | 3d       |
| 49     | Energy Audit and Conservation in Thermal Power Plants  | 22 – 24 Mar  | 3d       |

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## QUALITY & PRODUCTIVITY

| SI.No. | Title of the Programme   | Dates        | Duration |
|--------|--|--------------|----------|
| 1      | Total Quality in Hospitals and Health Care Services  | 19 – 21 Apr  | 3d       |
| 2      | Laboratory Accreditation based on ISO/IEC 17025  | 27 – 29 Apr  | 3d       |
| 3      | Total Quality in Purchase Function   | 12 – 14 May  | 3d       |
| 4      | Application of SQC Techniques in Pharmaceutical Industry   | 24 – 26 May  | 3d       |
| 5      | Safety in Manufacture, Storage, Handling and Use of Petroleum Products                           | 09 – 11 June | 3d       |
| 6      | Emerging Trends in Manufacturing Systems   | 16 – 18 June | 3d       |
| 7      | Enhancing Quality and Reliability of equipment through Environmental Stress Screening (ESS)      | 28 – 30 June | 3d       |
| 8      | ISO 9001:2008 – Effective Implementation and Internal Auditor Training                           | 14 – 16 July | 3d       |
| 9      | Concurrent Engineering Practices for Improving Quality & Productivity                            | 26 – 30 July | 5d       |
| 10     | Training Needs Analysis and Impact Evaluation  | 09 – 13 Aug  | 5d       |
| 11     | Best Practices in Lean Manufacturing   | 17 – 19 Aug  | 3d       |
| 12     | ISO 9001:2008 Lead Auditor Training  | 23 – 27 Aug  | 5d       |
| 13     | A Qualitative Approach in Defect Prevention (Mistake Proofing – Poka Yoke)                       | 15 – 17 Sept | 3d       |
| 14     | Integrated Management System (IMS) : ISO 9001, ISO 14001 and OHSAS 18001                         | 28 – 30 Sept | 3d       |
| 15     | Total Quality in HR Function based on People Capability Maturity Model (People CMM)              | 20 – 22 Oct  | 3d       |
| 16     | Role of Top Management in Effective Implementation of ISO 9001, 9004 QMS in achieving excellence | 25 – 26 Oct  | 2d       |
| 17     | Total Quality in Purchase Function   | 10 – 12 Nov  | 3d       |
| 18     | Certified Six Sigma Black Belt   | 22 – 26 Nov  | 5d       |
| 19     | ISO / IEC : 17025 – Internal Auditor Training for Laboratories                                   | 06 – 08 Dec  | 3d       |
| 20     | Biosafety of Biological Drug Products  | 13 – 15 Dec  | 3d       |
| 21     | Total Quality in Hospitals and Health Care Services  | 14 – 16 Dec  | 3d       |
| 22     | ISO 9001: 2008 Effective Implementation and Internal Auditor Training                            | 05 – 07 Jan  | 3d       |
| 23     | Continuous Process Improvement (CPI) through TQM Tools & Initiatives                             | 19 – 21 Jan  | 3d       |
| 24     | ISO 9001 : 2008 – Lead Auditor Training  | 07 – 11 Feb  | 5d       |
| 25     | Tools to Improve Quality and Reliability Assurance of Equipment & Systems                        | 16 – 18 Feb  | 3d       |
| 26     | Total Quality in Research & Development  | 21 – 23 Feb  | 3d       |
| 27     | Good Laboratory Practices  | 09 – 11 Mar  | 3d       |
| 28     | OHSAS 18001: 2007 – Lead Auditor Training  | 21 – 25 Mar  | 5d       |

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## WATER RESOURCES DEVELOPMENT

| Sl.No. | Title of the Programme  | Dates           | Duration |
|--------|---|-----------------|----------|
| 1      | Integrated Water Resources Development and Management :<br>Concept and Practice                                   | 07 – 09 Apr     | 3d       |
| 2      | Planning, Operation and Maintenance of Rural Water Supply and<br>Sanitation Schemes                               | 19 – 23 Apr     | 5d       |
| 3      | Assessment and Management of Floods   | 04 – 06 May     | 3d       |
| 4      | Lift Irrigation Schemes : Planning, Design and Implementation   | 10 – 14 May     | 5d       |
| 5      | Water Conservation and Drought Management   | 19 – 21 May     | 3d       |
| 6      | Integrated Watershed Development and Management   | 25 – 29 May     | 5d       |
| 7      | Remote Sensing & Geographical Information System :<br>Applications in Water Resources Sector                      | 02 – 04 June    | 3d       |
| 8      | Water for Industries : Allocation and Economy   | 17 – 19 June    | 3d       |
| 9      | EPC Turnkey Contract System in Water Resources Projects :<br>Genesis and Practice                                 | 22 – 24 June    | 3d       |
| 10     | Water Quality Monitoring for Irrigation and Drinking Water  | 01 – 03 July    | 3d       |
| 11     | Micro Irrigation : Drip & Sprinkler Systems : Installation,<br>Operation and Maintenance                          | 12 – 16 July    | 5d       |
| 12     | Public-private Partnership in Water Resources Projects  | 20 – 22 July    | 3d       |
| 13     | MIS for Monitoring and Evaluation of Water Resources Projects   | 28 – 30 July    | 3d       |
| 14     | Dam Safety Monitoring and Management  | 03 – 07 Aug     | 5d       |
| 15     | Use of Total Station and GPS: Field Practice  | 16 – 18 Aug     | 3d       |
| 16     | Performance Improvement in Irrigation Sector  | 23 – 27 Aug     | 5d       |
| 17     | Environmental Issues in Water Resources Sector  | 07 – 09 Sept    | 3d       |
| 18     | Contract Implementation and Dispute Resolution in Water Resources Projects  | 14 – 18 Sept    | 5d       |
| 19     | Quality Management in Water Resources Projects  | 20 – 24 Sept    | 5d       |
| 20     | Monitoring and Evaluation of Water Resources Projects   | 28 – 30 Sept    | 3d       |
| 21     | Irrigation Systems Management : Issues & Innovations  | 19 – 21 Oct     | 3d       |
| 22     | Water Conservation and Water Audit  | 27 – 29 Oct     | 3d       |
| 23     | Project Management in Water Resources Sector  | 08 – 12 Nov     | 5d       |
| 24     | Water and Environment : Laws & Applications   | 17 – 19 Nov     | 3d       |
| 25     | Hydraulic Gates and Handling Equipments for Water Resources Projects :<br>Installation, Operation and Maintenance | 23 – 25 Nov     | 3d       |
| 26     | Hydrological Information System   | 29 Nov – 03 Dec | 5d       |
| 27     | Lift Irrigation Schemes : Implementation, Operation and Maintenance   | 07 – 09 Dec     | 3d       |
| 28     | Contract Administration in Water Resources Projects   | 14 – 16 Dec     | 3d       |
| 29     | Investigation for Water Resources Projects – Use of Total Station & GPS   | 27 – 31 Dec     | 5d       |
| 30     | Irrigation Systems Management : Improvements and Innovations  | 04 – 06 Jan     | 3d       |
| 31     | Hydraulic Gates and Hoists: Planning, Design and Quality Control  | 18 – 20 Jan     | 3d       |
| 32     | Equity in Water Distribution  | 01 – 03 Feb     | 3d       |
| 33     | Quality Control and Quality Assurance in Construction of<br>Water Resources Projects                              | 14 – 18 Feb     | 5d       |
| 34     | Foundation and Sub-soil Investigations and Treatment in<br>Water Resources Projects                               | 23 – 25 Feb     | 3d       |
| 35     | Use of Total Station and GPS: Field Practice  | 08 – 10 Mar     | 3d       |
| 36     | Construction Management in Water Resources Projects   | 21 – 25 Mar     | 5d       |

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