

***Schedule of
Continuing Professional Development Programmes
(Division Wise)
2012 – 2013***

Centre for Climate Change

Civil/ Transportation Engineering

Environment Management

Information Technology

Management & Technology

Power & Energy

Quality & Productivity

Water Resources Development

***ESCI also conducts specific 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.	National Action Plan for Climate Change – National Water Mission related policies and actions	16-18 May	3d
2.	RPO Regulation, REC Mechanism and cost benefit analysis of RPO fulfillment	29–30 May	2d
3.	Clean Development Mechanism (CDM) and Carbon Trading for Power Sector	19-21 June	3d
4.	Climate Change Mitigation Strategies – Planning for Implementing the Mitigation Practices in India	18-20 July	3d
5.	Clean Development Mechanism (CDM), Carbon Trading and REDD+ Benefits in Forestry Sector	06-08 Aug	3d
6.	Solar Photovoltaics Field Engineers Training Programme	10-14 Sep	5d
7.	UN CBD- Side Event	October	1d
8.	Kyoto Protocol, CDM & Programme of Activities (CDM-PoA), NAMAs for Clean Technology Projects	08 – 12 Oct	5d
9.	ISO 14001:2004 Lead Auditor Training Programme	19-23 Nov	5d
10.	Climate Change Adaptation and Mitigation Practices in Agriculture Sector	12-14 Dec	3d
11.	Green India Mission and REDD+	08-10 Jan	3d
12.	ISO 14064 for Green House Gas Accounting and Inventorization and Guidelines for Carbon Disclosure	22-24 Jan	3d
13.	Clean Development Mechanism (CDM) and Carbon Trading, PAT for Energy Conservation and Energy Efficiency Sector	11-15 Feb	5d
14.	Preparing State Level Adaptation Plan for Climate Change	05- 07 Mar	3d



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Partners for Capacity Building

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CIVIL / TRANSPORTATION ENGINEERING

Sl.No.	Title of the Programme	Dates	Duration
1.	Destructive & Non Destructive Testing Methods for Civil Engineering Materials & Structures	24 – 27 Apr	4d
2.	Contract Management and Dispute Resolution in Civil Engineering Projects	07 - 11 May	5d
3.	e-procurement in Engineering Projects	22 – 25 May	4d
4.	Soil Investigations & Ground Improvement Techniques in Infrastructure Development	05 – 07 June	3d
5.	Leakages and Water Proofing Treatment in Buildings	12 - 15 June	4d
6.	Project Management in Construction Industry	19 - 22 June	4d
7.	Quality Assurance & Quality Control in Road Construction	03 – 05 July	3d
8.	Impact Assessment of Infrastructure Development on Traffic Management	10 – 12 July	3d
9.	High Rise Buildings –Planning , Construction & Maintenance	23 – 26 July	4d
10.	Good Maintenance Practices for Durability of Structures	07 - 10 Aug	4d
11.	Testing of Civil Engineering Materials – Modern Techniques	16 - 18 Aug	3d
12.	Quality Management in Building Construction	21 – 24 Aug	4d
13.	Road Safety Management	04 – 06 Sept	3d
14.	Failures of Geo-Technical Structures and Remedial Measures	11 – 15 Sept	5d
15.	Public Private Partnership for Highway Projects	24 - 26 Sept	3d
16.	Urban Transport Planning & Operation Management	27 – 29 Sept	3d
17.	Use of Chemicals in Modern Construction Practices	09 – 12 Oct	4d
18.	Destructive & Non Destructive Testing Methods for Civil Engineering Materials & Structures	16 – 19 Oct	4d
19.	Bridges & Culverts – Planning, Design and Execution	29 – 31 Oct	3d
20.	Public Transport and Traffic Management	07 – 09 Nov	3d
21.	Slope Stabilization for Highways – Modern and Green Technologies	15 – 17 Nov	3d
22.	Quality Assurance & Quality Control in Civil Engineering Construction Projects	27 – 30 Nov	4d
23.	Flexible Pavements and Overlays - Design, Construction and Maintenance	04 - 06 Dec	3d
24.	Construction and Maintenance of Concrete Roads	11 – 14 Dec	4d
25.	Quality Assurance & Quality Control in Road Construction	18 - 20 Dec	3d
26.	Pre-fabricated Structures & Construction Aspects	27 – 29 Dec	3d
27.	Geosynthetics & Reinforced Soil Structures	02 – 04 Jan	3d
28.	Use of Fly ash in Civil Engineering Works	17 - 19 Jan	3d
29.	Contract Management and Dispute Resolution in Civil Engineering Projects	21 - 25 Jan	5d
30.	e-Procurement in Engineering Projects	29 - 31 Jan	3d
31.	Repair Rehabilitation and Retrofitting of Buildings – Diagnosis and Preventive Actions	12 – 15 Feb	4d
32.	Pavement Management Systems (Flexible, Composite and Rigid)	18 -21 Feb	4d
33.	Bridges & Culverts – Planning, Design and Execution	26 – 28 Feb	3d
34.	Leakages and Water Proofing Treatment in Buildings	05 – 08 Mar	4d
35.	Design, Construction & Maintenance of Rural Roads	12 - 14 Mar	3d
36.	Safety Management in Construction Industry	19 – 21 Mar	3d

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ENVIRONMENT MANAGEMENT

Sl.No.	Title of the Programme	Dates	Duration
1.	Environmental Legislations in India - Interpretation and Implementation.	18 – 20 Apr	3d
2.	Water Audit - Leakage Control and Rectification Methods in Urban Water Supply	02 – 04 May	3d
3.	Municipal Solid Waste Management - Collection, Handling, Disposal and Recovery Options	21 – 25 May	5d
4.	Environmental & Social Issues in Highway and Road Projects	05 – 07 June	3d
5.	Bio Medical Waste Management - Handling and Safe Disposal Options with reference to draft bill 2011	14 – 16 June	3d
6.	Underground Sewerage Systems (UGS) - Design, Operation & Maintenance	26 – 30 June	5d
7.	Instrumentation and SCADA Applications in Water & Wastewater Management.	03 – 06 July	4d
8.	Environmental Issues in Mining Sector - Legal and Statutory Requirements (as per MoEF Guidelines).	18 – 20 July	3d
9.	Selection, Operation & Maintenance of Air Pollution Control Equipment.	23 – 25 July	3d
10.	Testing of Water Parameters for Power Plants	16 – 18 Aug	3d
11.	Land Acquisition & R&R Bill 2011 - Resettlement & Rehabilitation Provisions	27 – 31 Aug	5d
12.	Raw Water & Waste-Water Treatment	03 – 07 Sept	5d
13.	Zero Discharge Norms in Distilleries – Technical Challenges, Solutions & Compliance	13 – 15 Sept	3d
14.	Design, Operation & Maintenance of Sewage Treatment Plants - Reuse and Recycle Options.	25 – 29 Sept	5d
15.	Environmental Challenges & Solutions in Cement Industries	04 – 06 Oct	3d
16.	Current Requirements in Environmental Impact Assessment (EIA) - Process & Procedures as per MoEF Guidelines.	09 – 11 Oct	3d
17.	Management of Tannery Waste - EIA and EMP.	01 – 03 Nov	3d
18.	Trenchless Technology Applications for Urban Local Bodies	06 – 09 Nov	4d
19.	Water & Waste Water Management in Paper & Pulp Industry with Performance Evaluation of Treatment Plant	28 – 30 Nov	3d
20.	Effluent Treatment Technologies in Dairy Industry	04 – 07 Dec	4d
21.	Planning, Design and Layout of Water Distribution Network with Software Applications.	27 – 29 Dec	3d
22.	RS & GIS Applications for Urban Water and Waste Management	07 – 11 Jan	5d
23.	Solid Waste & Waste Water Management in Textile Industry	28 – 30 Jan	3d
24.	Management of Hazardous and e -Waste	13 – 15 Feb	3d
25.	Environmental Issues, Challenges & Solutions in Thermal Power Plants	25 – 28 Feb	4d
26.	Current Requirements in Environmental Impact Assessment (EIA) - Process & Procedures as per MoEF Guidelines.	04 – 06 Mar	3d
27.	Underground Sewerage Systems (UGS) - Design, Operation & Maintenance	12 – 16 Mar	5d

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INFORMATION TECHNOLOGY

Sl.No.	Title of the Programme	Dates	Duration
1	Ethical Hacking & Counter Measures	17 - 21 Apr	5d
2	Object Oriented Analysis and Design with UML	08 - 11 May	4d
3	Oracle 11 i Database Administration	21 - 25 May	5d
4	Cloud Computing	04 - 08 June	5d
5	Building Intranets in Enterprise Networks	19 - 22 June	4d
6	Implementing e-Governance	03 - 07 July	5d
7	Conceptualization and Implementation of Data Center	10 - 13 July	4d
8	Network Administration: Configuring LANS and WANs	16 - 20 July	5d
9	Implementing SAP HR, FICO, CRM Modules	06 - 10 Aug	5d
10	MS Project: IT Tool for Project Management	16 - 18 Aug	3d
11	Developing ASP.Net Web applications using silver Light	28 Aug - 01 Sept	5d
12	Building Mobile Applications using iphone, Android	10 - 14 Sept	5d
13	Business Intelligence &Data Ware Housing	25 - 28 Sept	4d
14	Implementation of E-Learning	03 - 06 Oct	4d
15	Data Communication for Power Sector	16 - 20 Oct	5d
16	Hardware Design Validation & Verification	05 - 09 Nov	5d
17	Network Security Administration	19 - 23 Nov	5d
18	MS Share Point Administration	27 - 29 Nov	3d
19	Windows Server Administration	03 - 07 Dec	5d
20	IT Applications for a Paperless Organisation	12 - 14 Dec	3d
21	Linux Server Administration	17 - 21 Dec	5d
22	3d animation & simulation	07 - 11 Jan	5d
23	Wireless Communications and Mobile Computing	21 - 25 Jan	5d
24	Tally Accounting Package 9.2	29 - 31 Jan	3d
25	Internet Technologies & web developing methods	12 - 16 Feb	5d
26	Effective Office Automation Tools	19 - 22 Feb	4d
27	IT Security Awareness: Managers & Executives	25 - 28 Feb	4d
28	VM Ware Administration	13 - 16 Mar	4d

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MANAGEMENT & TECHNOLOGY

Sl.No.	Title of the Programme	Dates	Duration
1	Operations Management in Hospital Services	18-20 Apr	3d
2	Welding Technologies and NDT Techniques	23-27 Apr	5d
3	Communication and Presentation Skills	15-18 May	4d
4	Pumps, Heat Exchangers and Pulverizers (Operation, Maintenance and Performance Monitoring)	23-25 May	3d
5	Spiritual Intelligence for Managerial Excellence	13-15 June	3d
6	Drilling and Blasting Technologies and its Applications	18-22 June	5d
7	Achieving Excellence in Engineering Education	27-29 June	3d
8	360° Leadership	11-13 July	3d
9	RS, GIS, GPS, Photogrammetry and Laser Scanning Applications in Mining Sector (Including Equipment demonstration & hands on practice)	17-20 July	4d
10	Finance for Non Finance Executives	25-27 July	3d
11	Trends in Corrosion, Tribology and Surface Engineering	08-10 Aug	3d
12	Challenges in Health Care (Human Resource, Operations and Financial Management)	22-24 Aug	3d
13	Leadership and Team Building Skills	29-31 Aug	3d
14	Organization of Effective Materials Management system(Including Stores and Purchase)	05-07 Sept	3d
15	Conflict Management, Decision Making and Problem Solving Skills	12-14 Sept	3d
16	Vibrations, Balancing and Alignment for Heavy Rotating Machinery in Power plants and Refineries	26-28 Sept	3d
17	Managerial Excellence for Competitive Advantage	03-05 Oct	3d
18	Supercritical Technology & its Advancements for Power Sector	10-12 Oct	3d
19	Occupational Health and Safety Management Practices	21-23 Nov	3d
20	Leadership and Technical Project Management	26-30 Nov	5d
21	Transactional analysis for Managerial Effectiveness and Stress Management	05-07 Dec	3d
22	Welding Technologies and NDT Techniques	10-14 Dec	5d
23	Communication and Presentation Skills	18-21 Dec	4d
24	Tools, Cutting Parameters and their Applications	09-11 Jan	3d
25	Knowledge Management for Competitive Advantage	16-18 Jan	3d
26	Emotional intelligence and Interpersonal skills	28-30 Jan	3d
27	Embedded System Design for Power measurements	13-15 Feb	3d
28	Trends and Advances in Condition Monitoring –(Theory and Practical Training)	19-22 Feb	4d

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POWER & ENERGY

Sl.No.	Title of the Programme	Dates	Duration
1	Reactive Power Management & FACTS	09 – 13 Apr	5d
2	Pilferage of Electricity Detection & Prevention	17 – 20 Apr	4d
3	Best Practices in O&M of Gas Turbines	23 – 27 Apr	5d
4	Tariff Philosophy and Regulatory Practices, Issues and Challenges	30 Apr - 03 May	4d
5	Power System Protection	07 – 11 May	5d
6	Distribution Substations and Lines - Current Construction and O&M Practices	15 – 19 May	5d
7	Governing and Protection of Steam Turbines	21 – 25 May	5d
8	Remote substation Monitoring and Control through SCADA	29 May - 02 Jun	5d
9	Modern Practices in Design and Construction of EHV (765 / 400 / 220 KV) Substations	05 – 08 June	4d
10	Technology Advances in Metering, Billing and Collection	12 – 14 June	3d
11	Optimisation of Thermal Power Stations	18 – 22 June	5d
12	New Developments in Design & Construction of Transmission Lines	26 – 30 June	5d
13	Earthing Practices in Electrical Installations	03 – 05 July	3d
14	IT Initiatives in Distribution Business Management	10 – 12 July	3d
15	Renovation & Modernization of Hydro Power Stations	17 – 21 July	5d
16	Energy Audit and Loss Reduction in T&D Systems	24 – 26 July	3d
17	Failure of Transformers and Remedial Measures	06 – 10 Aug	5d
18	Design Features and Operations of Gas Insulated Substations	07 - 09 Aug	3d
19	Best Practices in Water and Coal Chemistry in Power Plants	27 - 31 Aug	5d
20	Best Practices in Operation and Maintenance of Transmission Lines	28 - 30 Aug	3d
21	Underground Cables - Selection, Laying, Maintenance and Protection	03 – 06 Sept	4d
22	Network Planning and Analysis Employing GIS	05 – 07 Sept	3d
23	Condition Monitoring & Residual Life Assessment in Power Plants	11 - 15 Sept	5d
24	Distributed Digital Control Systems for Thermal Power Plant Applications	25 - 28 Sept	4d
25	Best Practices in O&M of ESPs	03 – 05 Oct	3d
26	Testing and Commissioning of Power Equipment	08 – 12 Oct	5d
27	Best Practices in O&M of Coal Mills	09 - 11 Oct	3d
28	Energy Auditors and Energy Managers - Preparatory Course for BEE Examination	15 - 20 Oct	6d
29	Pilferage of Electricity Detection & Prevention	16 - 19 Oct	4d
30	Best Practices in Power System Operation and Economics	29 - 31 Oct	3d
31	Earthing Practices in Electrical Installations	01 – 03 Nov	3d
32	Best Practices in O&M of EHV Switchgear	06 - 09 Nov	4d
33	Best Practices in O&M and Failure Analysis of Synchronous Generators in Power Plants	19 - 23 Nov	5d
34	Selection and Condition Monitoring of Large Electrical Motors for Industries and Power Plant Applications	20 - 22 Nov	3d
35	Power System Protection	03 – 07 Dec	5d
36	Loss Reduction Strategies in Distribution System	11 - 13 Dec	3d
37	Best Practices in Coal & Ash Handling Plants in Thermal Power Plants	17 - 19 Dec	3d
38	SCADA Applications in Transmission & Distribution	19 - 21 Dec	3d
39	Performance Improvement in Operation & Maintenance of EHV (765 / 400 / 220 KV) Substations	07 – 10 Jan	4d
40	Supply and Demand Side Management – Cost Reduction and Loss Reduction	08 - 10 Jan	3d
41	Best Practices in O&M of Hydro Power Stations	28 - 31 Jan	4d
42	Development of Smart Power Grids	29 - 31 Jan	3d
43	Failure of Transformers and Remedial Measures	04 – 08 Feb	5d
44	Electrical Safety Procedures, Accident Prevention and ERS	12 - 14 Feb	3d
45	Reliability of Thermal Power Plants - Effect of Boiler Tube Failures	19 - 21 Feb	3d
46	Power Trading Power Exchanges and Merchant Power Plants	26 - 28 Feb	3d
47	Earthing Practices in Electrical Installations	05 – 07 Mar	3d
48	Distribution Franchisee Models	12 - 14 Mar	3d
49	Balancing and Alignment Procedures for Heavy Rotating Machinery	18 - 20 Mar	3d
50	Design, Construction, Operation and Maintenance of Photovoltaic Power Plants	25 - 29 Mar	5d

QUALITY & PRODUCTIVITY

Sl.No	Title of the Programme	Dates	Duration
1.	Total Quality in Purchase Process (including ERP / SAP, e-Commerce & e-Procurement)	10 – 12 Apr	3d
2.	ISO 9001 : 2008 - Effective Implementation and Internal Auditor Training	18 – 20 Apr	3d
3.	NABL Accreditation of Laboratory based on ISO / IEC 17025 : 2005 (Awareness , Documentation & Effective implementation)	24 – 26 Apr	3d
4.	CE Marking -Product Certification for Export	17 – 19 May	3d
5.	ISO 9001 : 2008 - Effective Implementation and Certified Internal Auditor Training	12 – 14 June	3d
6.	Quality in HR Systems based on People Capability Maturity Model (People CMM)	20 – 22 June	3d
7.	Design for Six Sigma	25 – 29 June	5d
8.	ISO 9001 : 2008 - Lead Auditor Training	26 – 30 June	5d
9.	Achieving Operational & Business Excellence in Power Stations – Application of Modern Quality Tools	09 – 13 July	5d
10.	NABL Accreditation of Medical Laboratories : ISO 15189 : 2007 - Awareness ,Documentation, Effective implementation& Internal Audit	10 – 13 July	4d
11.	Total Quality Management in Power Distribution	17 – 21 July	5d
12.	ISO 9001 : 2008 - Effective Implementation and Internal Auditor Training	07 – 09 Aug	3d
13.	Total Quality in Purchase Process (including ERP / SAP, e-Commerce & e-Procurement)	21 – 23 Aug	3d
14.	Quality Initiatives in Technical & Higher Educational Institutions (in Compliance with NBA, NAAC Accreditation)	28 – 30 Aug	3d
15.	Certified Six Sigma Green Belt Training	10 - 14 Sept	5d
16.	ISO 9001 : 2008 - Lead Auditor Training	24 - 28 Sept	5d
17.	OHSAS 18001 : 2007 - Lead Auditor Training	08 – 12 Oct	5d
18.	Calibration of Instrument / Equipment and Measurement Traceability	18 – 20 Oct	3d
19.	ISO 9001 : 2008 - Effective Implementation and Internal Auditor Training	29 – 31 Oct	3d
20.	Total Quality in Vigilance	01 – 03 Nov	3d
21.	Quality Assurance in Hospitals and Health Care Services	06 – 08 Nov	3d
22.	Current Good Manufacturing Practices (cGMP) for Active Pharmaceutical Ingredients (API)	20 – 22 Nov	3d
23.	Training Needs Analysis and Impact Evaluation	05 – 07 Dec	3d
24.	ISO 9001 : 2008 - Effective Implementation and Internal Auditor Training	12 – 14 Dec	3d
25.	Certified Six Sigma Green Belt Training	17 – 21 Dec	5d
26.	Quality Initiatives in Technical & Higher Educational Institutions (in Compliance with NBA, NAAC Accreditation)	07 – 09 Jan	3d
27.	ISO 9001 : 2008 - Lead Auditor Training	21 – 25 Jan	5d
28.	Total Quality in Purchase Process (including ERP / SAP, e-Commerce & e-Procurement)	20 – 22 Feb	3d
29.	ISO 9001 : 2008 - Effective Implementation and Internal Auditor Training	25 – 27 Feb	3d
30.	Certified Six Sigma Green Belt Training	12 – 16 Mar	5d

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WATER RESOURCES DEVELOPMENT

Sl.No.	Title of the Programme	Dates	Duration
1.	Integrated Water Resources Development and Management	17–20 Apr	4d
2.	Remote Sensing, GIS, GPS and Total Station Applications in Urban Local Bodies	15-19 May	5d
3.	Water Conservation – Recycling and Reuse Options	28-31 May	4d
4.	Hydrological Information System, Hydrological Design Aids and Decision Support System	04-08 June	5d
5.	Micro Irrigation Systems : Planning, Design, Installation, Operation and Maintenance	18 -22 June	5d
6.	Development and Implementation of Emergency Action Plan for Large Dams	26-30 June	5d
7.	Repairs and Rehabilitation of Minor Irrigation Schemes	03 – 07 July	5d
8.	Monitoring and Evaluation of River Valley Projects with I.T. Tools	09 -13 July	5d
9.	Geo-informatics for Water Supply Systems	17-21 July	5d
10.	Hydraulic Gates and Hoists : Installation, Operation and Maintenance	27-31 Aug	5d
11.	Modernization of Irrigation Projects for Improved Performance	03-07 Sept.	5d
12.	Dam Safety Monitoring and Instrumentation	24-28 Sept.	5d
13.	Environmental Impact Assessment and Environmental Management Plan for Water Resources Projects	08 -12 Oct	5d
14.	Quality Management in Water Resources Projects	29 Oct.- 02 Nov	5d
15.	Drought Mitigation and Management	20 -23 Nov	4d
16.	Use of Total Station and DGPS for Investigation of Projects	26-30 Nov	5d
17.	Land Acquisition, Rehabilitation and Resettlement in River Valley Projects	26-30 Nov	5d
18.	Lift Irrigation Schemes : Planning, Implementation, Operation and Maintenance	03 – 07 Dec	5d
19.	Hydraulic Gates and Hoists : Planning, Design and Quality Control	11-14 Dec	4d
20.	Water Audit and Water Conservation for Drinking Water Supply	17 - 21 Dec	5d
21.	Irrigation Canal Systems – Participatory Irrigation Management, Operation Planning and Maintenance	02 - 05 Jan	4d
22.	Performance Improvement in Multipurpose River Valley Projects : Need and Scope	21-25 Jan	5d
23.	Flood Computation and Management	12-16 Feb	5d
24.	Reservoir Sedimentation : Computation, Prevention and Remedial Measures	25-28 Feb	4d
25.	Water Harvesting Structures – Planning, Design, Implementation and Management	04-08 Mar	5d
26.	MIS for Water Resources Projects	12-16 Mar	5d
27.	Integrated Watershed Management : New common guidelines 2008	26-30 Mar	5d

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