



**A 3-day Residential Training Program  
on  
Navigating Environmental Impact Assessment and Clearance Processes (Batch III)**

**Date: 14<sup>th</sup> – 16<sup>th</sup> March 2024**

**TENTATIVE SCHEDULE**

Name of Program	Navigating Environmental Impact Assessment and Clearance Processes (Batch III)		
Date	14th – 16th March 2024 (3 days)	No. of Participants	35-40
Program Mode	Residential Training Programme		
Address	Gujarat Institute of Disaster Management (GIDM), B/h PDEU, Raysan, Gandhinagar		
Time	Topic	Objectives of the Session	Partner Agency/ Resource person
DAY-1: 14 <sup>th</sup> March 2024			
10.00 – 10.30	Registration & Pre-Test	<ul style="list-style-type: none"><li>Online registration of participants</li><li>Pre-Test</li></ul>	GIDM
10.40 - 11.50	Introduction to EIA and Understanding its Regulatory Framework	<ul style="list-style-type: none"><li>Understand the concept and importance of Environmental Impact Assessment (EIA);</li><li>Historical evolution of Environmental regulations in India;</li><li>Insights into the role of EIA in environmental protection and sustainable development;</li><li>Explore the key provisions of the EIA Notification 1994;</li><li>Understand the significant changes introduced by the EIA Notification 2006;</li><li>Discuss the regulatory framework for EIA in India.</li></ul>	Ms. Madhvi Pimparkar, GEMI
TEA BREAK: 11:50hrs – 12:00hrs			
12:00 - 13:15	Environment Clearance Process Mechanics and Requirements	<ul style="list-style-type: none"><li>Comprehend the mechanisms and stages involved in obtaining Environmental Clearance (EC);</li><li>Identify the requirements and documentation necessary for applying for prior environmental clearance;</li><li>Discuss the evaluation process and factors considered in granting or rejecting EC.</li></ul>	Dr. M.H. Bhadrecha, SEAC - GPCB
LUNCH BREAK: 13:15hrs – 14:00hrs			



14:00 - 15:50	<b>GIS &amp; Remote Sensing: A Vital Tool For EIA</b>	<ul style="list-style-type: none"> <li>• GIS and Remote Sensing in EIA;</li> <li>• Preparing various maps such as environmental sensitivity map, study area map, sampling location map, land use/ land cover of the study area;</li> <li>• ArcGIS and QGIS, ERDAS IMAGE and ENVI;</li> <li>• Demos &amp; practical aspects.</li> </ul>	Dr. Dwanil Garekhan, CEPT University
<b>TEA BREAK: 15:50hrs - 16:00hrs</b>			
16:00 - 17:30	<b>Development of Environmental Management Plans (EMPs)</b>	<ul style="list-style-type: none"> <li>• Learn the purpose and components of an Environment Management Plan (EMP);</li> <li>• Understand how mitigation measures are integrated into the EMP;</li> <li>• Recognize the importance of EMPs in minimizing environmental impacts.</li> </ul>	Ms. Manali Bhatt, GPCB
<b>DAY-2: 15<sup>th</sup> March 2024</b>			
10:30 - 11:45	<b>Structure &amp; Assessment of the EIA Reports</b>	<ul style="list-style-type: none"> <li>• Components of an EIA Report which will discuss the overview of the report's structure and content;</li> <li>• Evaluation criterion for assessing the EIA report;</li> <li>• Effective practices for EIA report preparation and offering suggestions to enhance EIA process quality and efficacy;</li> <li>• <b>Group exercise</b> on examining real-world EIA reports to identify strengths, weaknesses, challenges, and lessons learned.</li> </ul>	Dr. M.H. Bhadrecha, SEAC - GPCB
<b>TEA BREAK: 11:45hrs - 12:00hrs</b>			
12:00 - 13:15	<b>Parivesh Portal and QCI_NABET</b>	<ul style="list-style-type: none"> <li>• QCI_NABET;</li> <li>• Interactive and Virtuous;</li> <li>• Environmental Single-window Hub;</li> <li>• Scheme for accreditation of EIA consultant organizations.</li> </ul>	Dr. P.V Nidheesh, Principal Scientist, NEERI
<b>LUNCH BREAK: 13:15 - 14:15</b>			
14:15 - 15:30	<b>Group Exercise: Identifying Environmental Impacts</b>	<ul style="list-style-type: none"> <li>• To identify and assess environmental impacts of hypothetical projects;</li> <li>• Discuss findings and evaluate the effectiveness of mitigation measures.</li> </ul>	Dr. Jayesh Ruparelia, Nirma University



15:30 – 18:00	Field Visit to GEMI	<ul style="list-style-type: none"><li>• Tour of GEMI's state-of-the-art laboratory facilities;</li><li>• Exploring the advanced instruments and technologies dedicated to analyzing environmental samples.</li></ul>	Dr. Nitasha Khatri, GEMI
<b>DAY 03: 16<sup>th</sup> March 2024</b>			
10:00 – 12:00	EIA: Air-Quality Modelling & Ground Water Management	<ul style="list-style-type: none"><li>• Introduction to air quality modelling:<ul style="list-style-type: none"><li>- Dispersion models (e.g., Gaussian models).</li><li>- Chemical transport models.</li><li>- Numerical models.</li></ul></li><li>• Groundwater modelling:<ul style="list-style-type: none"><li>- Principles and approaches.</li></ul></li><li>• Groundwater flow and contaminant transport models.</li></ul>	Dr. Anuarg Kandya, Associate Professor, PDEU
<b>TEA BREAK: 12:00hrs – 12:15hrs</b>			
12:15 – 13:30	Integrating Social Impact Assessment (SIA) in EIA	<ul style="list-style-type: none"><li>• Introduction to Social Impact Assessment (SIA);</li><li>• Key Components of SIA;</li><li>• Integration of SIA with EIA;</li><li>• Monitoring and Mitigation Strategies;</li><li>• Emerging Trends in SIA and EIA.</li></ul>	Mr. N. M. Tabhani, Retd. Member Secretary – GPCB
<b>LUNCH BREAK: 13:30hrs – 14:30hrs</b>			
14:30 – 16:00	Concluding Session & Discussions	<ul style="list-style-type: none"><li>• Engage participants in a discussion about the presented topics;</li><li>• Address any queries or concerns from the audience;</li><li>• Interaction with decision makers.</li></ul>	Mr. A. K. Saxena, Chairman-SEAC & Mr. N. M. Tabhani, Retd. Member Secretary - GPCB
<b>TEA BREAK: 16:00hrs – 16:15hrs</b>			
16:15 – 16:45	Post Test, Valedictory, Distribution of Certificates	<ul style="list-style-type: none"><li>• Post-Test of Participants</li><li>• Feedback</li><li>• Handing over certificates</li></ul>	GIDM