

## Program Agenda

### Urban Risk Reduction and Resilience: Focus on Earth Moving Machines during Disaster Response and Relief Work

Time	Topic
<b>DAY-1: Friday, 19<sup>th</sup> January, 2024 (Seminar Hall)</b>	
09:30 - 10.30	<b>Tea &amp; Breakfast</b>
10.30 - 11.30	<b>Welcome Session</b> <ul style="list-style-type: none"> <li>• Reporting and Registration</li> <li>• Welcome and participant introduction</li> <li>• Introduction to Workshop, JCB Profile</li> <li>• Pre-Test</li> </ul>
11.40 - 12.30	<b>Basics of Disaster Risk Management (DRM)</b> <ul style="list-style-type: none"> <li>• Concepts, trends, policies (state, national and global)</li> <li>• Case Study</li> </ul>
12.30 - 13.15	<b>Basic Concepts of Earthmoving machines</b> <ul style="list-style-type: none"> <li>• Backhoe Loaders, Mini Excavator, Excavator &amp; Telehandlers</li> <li>• Basics Hydraulics, Static Dimensions of machines like Bucket Capacity, Dig Depth, Dump Height</li> </ul>
13.15 - 14.10	<b>Lunch</b>
14.10 - 15.10	<b>Structural Engineering and Building Components</b> <ul style="list-style-type: none"> <li>• Building Standard and Codes</li> <li>• Types of Stresses, deformation</li> <li>• Earthquake resistant infrastructure</li> </ul>
15.10 - 16.00	<b>Dignified Dead Body Management</b> <ul style="list-style-type: none"> <li>• Scene Coordination, Recovery and Retrieval, and Secondary Methods of Identification</li> <li>• Transportation of the bodies</li> <li>• Case Study</li> </ul>
16.00 - 16.10	<b>Tea Break</b>
16.10 - 17.00	<b>Group Exercise</b>
<b>End of Day 1</b>	

Time	Topic
<b>DAY-2: Saturday, 20<sup>th</sup> January, 2023 (Venue: GIDC)</b>	
<b>07.00 - 07.45</b>	<b>Tea &amp; Breakfast</b>
08.00 - 11.00	Participants and GIDM staff (GIDM to GIDC Halol)
11.00 - 11.45	<b>Application of JCB BHL, Mini Excavator &amp; Telehandlers in Disaster Relief Work</b> <ul style="list-style-type: none"> <li>• Earthquake- Removing building rubble &amp; breaking big chunks of walls to reach trapped humans</li> <li>• Floods &amp; Water logging- Making embankments, desolating, muck removing &amp; making channels</li> <li>• Relief work after cyclones - Tree stop and trunk removal, road cleaning and removing building rubble</li> </ul>
11.45 - 13.00	<b>Practical Demonstration</b> <ul style="list-style-type: none"> <li>• Backhoe Loader &amp; Telehandler</li> <li>• Mini Excavator</li> </ul>
13.00 - 14.00	<b>Lunch</b>
14.00 to 15.00	<b>Practical Demonstration - BHL, Mini Excavator &amp; Telehandler</b> <ul style="list-style-type: none"> <li>• Demonstration of BHL with hammer breaking concrete</li> <li>• Boom Offset feature being used to dig along a wall &amp; in space constraint area</li> </ul>
15.00 - 15.30	<b>Disaster Relief Operations</b> <ul style="list-style-type: none"> <li>• Equipments : Backhoe Loaders, Mini Excavator, Excavators &amp; TH</li> <li>• Skid Steer loaders, Wheeled Loading Shovels, Gen Set and Man Lift</li> <li>• Discussion</li> </ul>
15.30 - 16.00	<b>Overview of machines</b> <ul style="list-style-type: none"> <li>• Skid Steer Loaders, Wheeled Loading Shovels, Gen Set and Man Lift, etc.</li> </ul>
16.00 - 16.10	<b>Tea</b>
16.10 - 17.00	<b>Closing Session</b> <ul style="list-style-type: none"> <li>• Discussion</li> <li>• Post-Test</li> <li>• Certificate Distribution</li> <li>• Feedback</li> </ul>
17.00 - 20.00	<b>Return from GIDC to GIDM</b> <b>End of Day 2</b>