<table>
<thead>
<tr>
<th>PN</th>
<th>Clause No.</th>
<th>Clause Description</th>
<th>Proposed Amendment</th>
<th>Judications</th>
<th>PRNBS's comment</th>
<th>RIL Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2 (g)</td>
<td>&quot;Hazard&quot; means an occurrence of such magnitude or such probability as to create a situation in which the normal patterns of life within an industrial complex are suddenly disrupted and in certain cases altering the social fabric of the community so as to result in the death of, injury to or destruction of, property or damage to or degradation of, environment, and is of such a nature or magnitude as to be beyond the coping capacity of the community of the affected area.</td>
<td>To align the definition of &quot;hazard&quot; with DM Act 2002.</td>
<td>Taken from DM Act 2002.</td>
<td>Agreed by all in the meeting.</td>
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<td>2</td>
<td>2 (d)</td>
<td>&quot;Incident record register&quot; means a register containing complete information pertaining to all incidents occurring near the plant, and all other incidents leading to Level 1, Level 2 or Level 3 emergency.</td>
<td>Incident recording system means a system containing complete information pertaining to all incidents including near misses.</td>
<td>Proposed to be revised in technological advancement in reporting or recording incidents.</td>
<td>Agreed by all in the meeting.</td>
<td>There are instances when small leaks or incidents are managed within the plant by P&amp;ID and site emergency resources are not required. These incidents will not be captured in the incident register.</td>
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<td>3</td>
<td>2 (h)</td>
<td>&quot;Risk assessment&quot; means the quantitative estimation of the likelihood of undiscoverable events and the likelihood of harm or damage being caused by them, together with the values judgments made concerning the significance of the results.</td>
<td>Risk assessment means the evaluation of the likelihood of undiscoverable events and the likelihood of harm or damage being caused by them, together with the value judgments made concerning the significance of the results.</td>
<td>Risk assessment can be qualitative. Quantitative or semi-quantitative.</td>
<td>Considering various types of risk assessment required to be done depending on the size and risk of installations, the word &quot;quantitative&quot; has been inserted.</td>
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<td>4</td>
<td>2 (h)</td>
<td>&quot;Risk management&quot; means the programme that embraces all administrative and operational programmes that are designed to reduce the risks of injuries to persons, or damage to real or personal property, or loss of environment, or any other hazardous impact to human health or the environment, and includes all the activities necessary for the implementation of such programme.</td>
<td>Risk management means the programme that embraces all administrative and operational programmes that are designed to reduce or manage the risk of undiscoverable events.</td>
<td>The word &quot;manage&quot; is added along with &quot;reduced&quot;.</td>
<td>No significant change except that the word &quot;manage&quot; has been added.</td>
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<td>10</td>
<td>3 (g)</td>
<td>Dispensing stations and PCL retail outlets</td>
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<td>3 (h)</td>
<td>(a) transportation of petroleum products by road;</td>
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<td>11</td>
<td>3 (i)</td>
<td>(b) transportation of petroleum products by road;</td>
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<td>4.1</td>
<td>The scope shall cover:</td>
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<td><em>the identification of probable emergency scenarios;</em></td>
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<td><em>the requirement to prescribe plans for actions when a disaster or emergency occurs;</em></td>
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<td><em>the responses that mobilize the necessary emergency services including responders (primary and secondary), and government as well as non-governmental agencies;</em></td>
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<td><em>the post disaster recovery with aim to restore the affected area to its original conditions;</em></td>
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<td>4.2</td>
<td>It is intended to apply these regulations —</td>
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<td><em>to develop an EROIMP that should be concise and informative so that members of the emergency control organization should be able to quickly refer to the action plan to determine important systems that are being controlled;</em></td>
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<td><em>to prevent casualties both on-site and off-site;</em></td>
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<td></td>
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<td><em>to prevent damage to property, machinery, public and environment;</em></td>
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<td><em>to reduce property damage. However, following methodology should be adopted in cases of Cross County Pipeline, City Gas Distribution Networks, Retail Outlets, Road Transportation — EROIMP document.</em></td>
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<td>13</td>
<td>Note:</td>
<td>No two locations shall be identical in respect of layout, surroundings, products, storage quantities, meteorological data etc. Therefore, EROIMP will be location specific as per the available resources.</td>
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<td>14</td>
<td>Necessary changes have been proposed for formulation of EROIMP for Cross County Pipeline, Retail Outlets &amp; Emergency Response Plan for Construction Projects.</td>
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<td>Suggested one format for EROIMP for Cross County Pipeline, Retail Outlets &amp; Construction Projects.</td>
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<td>15</td>
<td>8 (g)</td>
<td>There shall be a system for ensuring compliance to the provision of these regulations through developing a well-defined Emergency Response and Disaster Management Plan and conduct of mock drill and safety audits during the construction, commissioning and operation phase, as well as on an ongoing basis.</td>
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<td>A separate Emergency Response &amp; Disaster Plan format has been prepared for construction site.</td>
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<td>There shall be a system for ensuring compliance to the provision of these regulations through developing a well-defined Emergency Response and Disaster Management Plan and conduct of mock drill and safety audits during the construction, commissioning and operation phase, as well as on an ongoing basis.</td>
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<td>16</td>
<td>8.2</td>
<td>The Board shall monitor the compliance of ERCOEP Technical Standards and Specifications including safety standards.</td>
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<td>The Board shall monitor the compliance of ERCOEP either directly or indirectly by accredited third party through separate regulations on third party conformity assessment.</td>
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<td>In line with the other regulations.</td>
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<td>17</td>
<td>8.3</td>
<td>In case of any deviation or shortfall, in achieving the recommended standards the entities are liable to penal provisions under the provisions of the technical standards, specifications and safety standards.</td>
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<td>(a) In case of any deviation or shortfall, in achieving the recommended standards the entities are liable to penal provisions under the provisions of the technical standards, specifications and safety standards.</td>
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<td>(b) In case of any deviation or shortfall, in achieving the recommended standards the entities are liable to penal provisions under the provisions of the technical standards, specifications and safety standards.</td>
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<td>Final provision only given in PHNRE Act, 2006.</td>
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<td>18</td>
<td>8.10</td>
<td>If the Fire Elimination Action Plan is not providing the written submission required for the Fire Elimination Action Plan to be completed.</td>
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<td>Such provisions are issued to facilitate the fire elimination action plan to be completed.</td>
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<td>These are in a major deviation.</td>
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<td>In major deviation, the formation of mutual aid with industrial members is facilitated.</td>
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<td>These are in the major deviations.</td>
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<td>Final provision only given in PHNRE Act, 2006.</td>
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<td>19</td>
<td>10.1.1</td>
<td>The second step of the IDROEP process is to determine the risk of an incident associated with each hazard.</td>
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<td>The second step is to determine the risk of an incident associated with each hazard.</td>
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<td>Sentence orientation:</td>
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<td>Not a significant change.</td>
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<td>20</td>
<td>10.3</td>
<td>The need to complete another step in the IDROEP process is to determine the risk of an incident associated with each hazard.</td>
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<td>The second step is to determine the risk of an incident associated with each hazard.</td>
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<td>Minor correction to make sentence meaningful:</td>
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<td>Do.</td>
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<td>21</td>
<td></td>
<td>(a) The combination of consequence and probability will allow the hazards to be ranked in a logical fashion to indicate the zones of importance.</td>
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<td>(b) The combination of consequence and probability will allow the hazards to be ranked in a logical fashion to indicate the zones of importance.</td>
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<td></td>
<td>Criteria has already been mentioned in Clause 10.2.1.</td>
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<td>Criteria already given in BIRA diagram to indicate risk levels.</td>
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<td></td>
<td>The word 'hazard' may be replaced with 'exposure' to suit technical description.</td>
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<td>22</td>
<td></td>
<td>(a) The criteria for assessing the risk, the 'maximum tolerable horizon' must be defined and given by the risk.</td>
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<td>(b) The criteria for assessing the risk, the 'maximum tolerable horizon' must be defined and given by the risk.</td>
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<td>'Maximum tolerable horizon' is already defined in Clause 10.2.1.</td>
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<td>'Maximum tolerable horizon' is already defined in Clause 10.2.1.</td>
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<td>23</td>
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<td>(a) The risk should be made 'as low as reasonably practicable' (ALARP).</td>
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<td>(b) The risk should be made 'as low as reasonably practicable' (ALARP).</td>
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<td></td>
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<td>The risk should also be made 'as low as reasonably practicable' (ALARP).</td>
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<td>Three major steps proposed to replace with 'three regions' as per international practice.</td>
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<td>Reference to BIRA diagram, three regions already defined which is an international practice.</td>
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<td>Lines from IATF, Cyber Security and Pandemic can also be included which is an evolving potential threat for future.</td>
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<td>No significant change.</td>
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<td>24</td>
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<td>(a) The consequences of an incident are fire, explosion, destruction, blast waves, etc.</td>
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<td>(b) The consequences of an incident are fire, explosion, destruction, blast waves, etc.</td>
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<td>Typographical error in character.</td>
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<td>No significant change.</td>
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<td>Nowadays term UVCE is obsolete. Define VCE.</td>
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<td>25</td>
<td>11.2</td>
<td>Resource mobilisation shall include manpower requirement for firefighting materials, fire fighting equipment, communication facilities, transport list of emergency drugs and appliances, etc. (Schedule IV).</td>
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<td>Resource mobilisation shall include manpower requirement for firefighting materials, fire fighting equipment, communication facilities, transport list of emergency drugs and appliances, temporary shelters, etc. (Schedule IV).</td>
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<td>Temporary shelters proposed to be added to meeting the requirements of evacuation.</td>
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<td>No significant change.</td>
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<td>No significant change.</td>
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<td>26</td>
<td>11.3</td>
<td>Preventive measures shall include health, safety and environment management systems in place to ensure safety during operation and emergency.</td>
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<td>Health, Safety and Environment Management requirements shall include health, safety and environment management system in place to ensure safety during operation and emergency.</td>
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<td>Title to replace with Health, Safety and Environment Management.</td>
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<td></td>
<td></td>
<td>Not a significant change.</td>
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<td>27</td>
<td></td>
<td>The incident prevention measures and procedures at installation of other locations shall include the following:</td>
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<td>The incident prevention measures and procedures at installation of other locations shall include the following:</td>
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<td>Title to replace with Health, Safety and Environment Management.</td>
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<td>Not a significant change.</td>
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<td>Section</td>
<td>Description</td>
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<td>1.1</td>
<td>Drills should present a variety of emergency scenarios and challenges for each segment of the organization. The drills are useful and should be reviewed by Chief of each Support Service to train their own team.</td>
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<td>1.2</td>
<td>The drills shall include the participation of outside groups and agencies such as police, fire companies, emergency service, civil defense organizations, and mutual aid groups.</td>
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<td>1.3</td>
<td>The drills shall be designed to be carried out once in these months and for off-site emergency exercises between two months.</td>
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<td>2.1</td>
<td>Each Mock Drill should be recorded with observations and deficiencies to be recorded within 24 hours.</td>
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<td>2.2</td>
<td>Each Mock Drill should be reviewed with observations and deficiencies to be reviewed within 24 hours. Additionally, time bound action plans to be prepared for deficiencies.</td>
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<td>2.3</td>
<td>The word 'Passing' proposed to be replaced with 'Vindicating' for better understanding.</td>
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<td>2.4</td>
<td>Written mutual aid arrangements are to be worked out to facilitate additional help in the event of Level II or Level III emergencies by way of rendering manpower, medical aid, fire fighting equipments, etc.</td>
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<td>3.1.8</td>
<td>Wind speed and direction should be recorded with the help of anemometer and direction of the effect of the event should be immediately communicated to CO/M.</td>
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<td>4.1.1</td>
<td>The BRECAP shall identify the initial transition from normal operations to emergency operations and systems to shut down, if any, and the delegation of authority to operations personnel to emergency response personnel. For this purpose, the plan shall identify an emergency response organization with appropriate lines of authority with success planning and indicating the response management. Responsibilities for decision making shall be clearly shown in an emergency organization chart. The plan shall identify each other's position, mission, duties, and reporting relationship.</td>
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<td>4.1.2</td>
<td>The BRECAP shall identify the initial transition from normal operations to emergency operations and systems to shut down, if any, and the delegation of authority to operations personnel to emergency response personnel. For this purpose, the plan shall identify an emergency response organization with appropriate lines of authority with success planning and indicating the response management. Responsibilities for decision making shall be clearly shown in an emergency organization chart. The plan shall identify each other's position, mission, duties, and reporting relationship.</td>
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<td>4.2</td>
<td>The BRECAP shall identify the initial transition from normal operations to emergency operations and systems to shut down, if any, and the delegation of authority to operations personnel to emergency response personnel. For this purpose, the plan shall identify an emergency response organization with appropriate lines of authority with success planning and indicating the response management. Responsibilities for decision making shall be clearly shown in an emergency organization chart. The plan shall identify each other's position, mission, duties, and reporting relationship.</td>
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<td>4.3</td>
<td>The BRECAP shall identify the initial transition from normal operations to emergency operations and systems to shut down, if any, and the delegation of authority to operations personnel to emergency response personnel. For this purpose, the plan shall identify an emergency response organization with appropriate lines of authority with success planning and indicating the response management. Responsibilities for decision making shall be clearly shown in an emergency organization chart. The plan shall identify each other's position, mission, duties, and reporting relationship.</td>
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<td>46</td>
<td>In setting up the organization, the need for round-the-clock coverage shall be essential. The personal must be prepared to take charge of the emergency control functions and/or be ready to deal with any emergency until such time as they are replaced. The organization should have an alternate arrangement for each role.</td>
<td>The word &quot;should&quot; is proposed to be replaced with &quot;must&quot;. No significant change.</td>
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<td>47</td>
<td>14.2 Roles and Responsibilities</td>
<td>Typical Roles and Responsibilities (To be modified as per organizational structure). The word &quot;Typical&quot; may be added before Roles and Responsibilities, so that the organization can administer in accordance with their manpower resources. No significant change.</td>
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<td>48</td>
<td>14.2.1 Responsibilities of the Chief Incident Controller shall include the following:</td>
<td>No significant change.</td>
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<td>49</td>
<td>a) Taking decisions on seeking assistance from mutual aid agencies in case of need;</td>
<td>To give more clarity. No significant change.</td>
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<td>50</td>
<td>b) Taking decisions on seeking assistance from internal and external agencies like Police, Fire Brigade, hospitals etc.;</td>
<td>No significant change.</td>
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<td>51</td>
<td>14.2.2 Responsibilities of the Chief Incident Controller shall include the following:</td>
<td>No significant change.</td>
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<td>52</td>
<td>a) The SIC shall be capable of making quick decisions and taking full charge;</td>
<td>To give more clarity. No significant change.</td>
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<td>53</td>
<td>b) The SIC shall be empowered of taking quick decisions and take full charge;</td>
<td>No significant change.</td>
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<td>54</td>
<td>c) He must ensure that all are notified in a timely manner.</td>
<td>To be added. The SIC shall ensure that all personnel of emergency response teams are trained for assigned roles. No significant change.</td>
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<td>55</td>
<td>14.2.3 Responsibilities of the administration and communication controller shall include the following:</td>
<td>No significant change.</td>
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<td>56</td>
<td>a) To direct the availability of staff from external agencies to specific locations responsible for providing assistance in the event of an incident.</td>
<td>No significant change.</td>
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<td>57</td>
<td>b) To direct the availability of staff from the CIC to specific locations responsible for providing assistance in the event of an incident.</td>
<td>Proposed for sentence clarification. No significant change.</td>
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<td>58</td>
<td>14.2.4 To be added to ensure CIC on mobilization of mutual aid and to arrange requirement of additional firefighting resources including those from mutual aid agencies.</td>
<td>No significant change.</td>
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<td>59</td>
<td>14.2.5 a) Direct the fire brigade personnel and mutual aid agencies to their designated roles as also proper positioning of the equipment.</td>
<td>Not relevant. No significant change.</td>
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<td>60</td>
<td>b) To coordinate with the fire brigade and mutual aid agencies for proper organization of firefighting operation.</td>
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<td>Page 7</td>
<td>14.2.5.9</td>
<td>(a) Emergency sirens codes should be as follows, namely: (b) Emergency Level 1 - The sirens code for Level 1 shall be decided by utility depending upon the size and complexity of installation. (c) Emergency Level 2 - A warning siren for two minutes. (d) Emergency Level 3 - Same type of siren as in case of Level 2 but the same will be sounded for five times at the interval of one minute each (i.e. warning siren 2 min + gap 1 min + warning siren 2 min + gap 1 min + warning siren 2 min + gap 1 min + warning siren 2 min + gap 1 min + warning siren 2 min + gap 1 min). Total duration of Disaster siren to be eight minutes. (e) Emergency Level 4 - The sirens code for Level 4 shall be decided by utility depending upon the size and complexity of installation. These regulations are now applicable to all installations ranging from CNG stations to refineries. In such cases, it is very difficult to implement stipulated Direct Code for Level 4 (Emergency). Level 1 sirens code at the discretion of the industry due to the very large size and operation of the industry/Entity. This change has been agreed by all.</td>
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<td>Page 8</td>
<td>15.1.1</td>
<td>Emergency Control Centers (ECC)</td>
<td>15.1 Emergency Control Centers (ECC)</td>
<td>All ECC shall have emergency lights so that operations can continue in the event of power failure. More elaboration of clause to meet precalled requirements. Only change of name.</td>
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<td>70</td>
<td>15.2</td>
<td>(a) There should be pre-designated areas as safe zones as per quantitative risk assessment, where the personnel like workers, staff, contractor workers etc. are not involved in emergency operations (as per ESROD) shall assemble in case of an emergency. (b) There should be pre-designated areas as safe zone as per Consequence Analysis of the major scenarios, where the personnel like workers, staff, contractor workers etc. are not involved in emergency operations (as per ESROD) shall assemble in case of an emergency. Quantitative Risk Assessment proposed to be replaced with Consequence Analysis. No significant change.</td>
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<td>71</td>
<td>16</td>
<td>(a) During site shut down or holidays, the security personnel will conduct the inspection as per the ESROD organization chart and at the same time sufficient number of personnel will be present to control the incident. (b) During site shut down or holidays, when no operating personnel are present, the security or other trained personnel will conduct the inspection as per the ESROD organization chart and at the same time sufficient number of personnel will be present. Security personnel proposed to be replaced with 'security or other trained personnel'. No significant change.</td>
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<td>72</td>
<td>17.0.2</td>
<td>ESROD shall be prepared based on the following information: (a) neighboring population in a 2 km radius (b) housing colonists of industries (c) sensitive institutions such as schools, hospitals, religious establishments and old aged homes, etc. (d) earthquake magnitude (e) distance of any major event. ESROD shall be prepared based on the following information: (a) neighboring population in a 2 km radius (b) housing colonists of industries (c) sensitive institutions such as schools, hospitals, religious establishments and old aged homes, etc. (d) earthquake magnitude (e) distance of any major event. The word 'earthquake' proposed to be replaced with 'safety'. No significant change.</td>
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<td>73</td>
<td>17.1 (2)</td>
<td>Fire protection system (Active and Passive)</td>
<td>Fire protection and lighting system (Active and Passive)</td>
<td>Proposed to be merged by a &amp; c. Same meaning. No significant change.</td>
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<td>74</td>
<td>18</td>
<td>(a) First aid facilities (b) Medical facilities in house or a tie-up with near by hospital/health center</td>
<td>First aid facilities</td>
<td>First aid facilities</td>
<td>Tie up with nearby hospital/health center to cover remote and isolated installations.</td>
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<td>75</td>
<td>19</td>
<td>ERROD shall be prepared based on the following information: (a) neighboring population in a 2 km radius (b) housing colonists of industries (c) sensitive institutions such as schools, hospitals, religious establishments and old aged homes, etc. (d) earthquake magnitude (e) distance of any major event. ERROD shall be prepared based on the following information: (a) neighboring population in a 2 km radius (b) housing colonists of industries (c) sensitive institutions such as schools, hospitals, religious establishments and old aged homes, etc. (d) earthquake magnitude (e) distance of any major event. To align with the Schedule III, the word 'ERROD' is replaced with 'ERROD' and Table 3D is removed. Schedule III mentions 2 km range whereas regulations mention 4 km range. Proposed change aligns with Schedule III.</td>
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<td>76</td>
<td>20</td>
<td>Portable mobile vehicle for announcement should be available at the emergency.</td>
<td>Vehicle with Public Address System for announcement should be available in the emergency.</td>
<td>Portable mobile vehicle proposed to be replaced with vehicle with public address system to make meaningful. No significant change.</td>
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<td>77</td>
<td>21</td>
<td>Display boards carrying info. and signs should be located outside the gate as well as in the neighboring colonies and other fields areas in the immediate vicinity.</td>
<td>Display boards carrying info. and signs should be located outside the gate as well as in the neighboring colonies and other fields areas in the immediate vicinity.</td>
<td>Existing format is viable and exhaustive. If required it may be changed when new &quot;online&quot; petal is developed.</td>
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<td>78</td>
<td>23</td>
<td>All incidents covered under Level 1 should be reported to the concerned utility within 24 hours from the occurrence of the incident or any other reason triggering major incident.</td>
<td>To be revised in view of Incident Reporting Categorization.</td>
<td>Significance of clause. Existing format is viable and exhaustive. If required it may be changed when new &quot;online&quot; petal is developed.</td>
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<td>81</td>
<td>28.1a</td>
<td>In order to handle Emergencies, which may arise due to incident involving Petroleum Product Transportation, it is required that a comprehensive Emergency Management Plan is readily available with the industry as well as with other related authorities along the routes. The ERDMP should be clearly understood by its users so that the emergencies can be handled in a systematic manner with minimum response time in accordance with the prescribed procedure.</td>
<td>Word 'all along the route' has been omitted. The altered aspect is duly defined in 28.1.b.</td>
<td>No significant change</td>
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<td>82</td>
<td>28.1b</td>
<td>Copies of the ERDMP shall be made available by the industry to all the field locations i.e. Installations, POL Depots, Terminals / Installations, Refineries, Gas Processing Plants, Dispatch units of etc. the concerned District Administration, Police Stations and Fire Brigades en-route and within vicinity of specified tank truck routes. At industry sales personnel of concerned area as may be required.</td>
<td>Looking to the practical aspects, copies of ERDMP shall be made available to the concerned District Administration en-route, so that it can be made part of Oilfield Emergency Plan of respective Districts.</td>
<td>No significant change</td>
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<td>83</td>
<td>29.9</td>
<td>(1) With increase in terrorist activities towards the end of 20th century and installations having significant role in national economy, sabotage and bomb threats to such installation should also be considered in the disaster management plan. Such high level of skillfulness must be strengthened by security measures by means of violent security gadgets mechanical and electronic security gadgets. In any such situation, city police administration should be informed immediately and fire help should be sought. (2) Emergency Action in case of Bomb Threat: (a) All persons inside the Plant should be evacuated as soon as possible. (b) All the vehicles in the plant premises should be evacuated to safe places. (c) Plant personnel should contact district authorities immediately. (d) Any new or doubtful thing should not be touched. (e) All pipelines and valve should be closed and all the operations inside the Bottling Plant should be stopped. (f) In case of fire, firefighting equipment should be operated and city fire brigades should be called immediately during emergency.</td>
<td>To be modified. A detailed action plan on security breach threat including bomb threat shall be prepared by each installation and periodic mock drill shall be carried out against various scenarios.</td>
<td>The Clause 29 (5) does not specify the detailed requirement for emergency in case of Bomb Threat. Hence, para proposed to modify to take care of formulation of emergency plan for security threat and its periodic mock drills at all installations.</td>
<td>Bomb threat scenario to be included.</td>
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<td>Page</td>
<td>Section</td>
<td>Text</td>
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<td>84</td>
<td>91</td>
<td>Whenever any deviation from the code of practices is required to be implemented, the entity shall submit the application for the Board with mitigation measures proposed to be carried out giving full details and justification for such deviation within 1 month from the date of notification under these regulations. The Board shall decide upon the implementation of regulations after due notification. Hence, proposals is required to meet the existing requirements.</td>
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<td>85</td>
<td>Sch III</td>
<td>A copy of ERDMP, duly approved by the Board of Directors of the organisation shall be submitted to the Industry Board of Directors. Proposed to be revised due to amendments in the earlier version.</td>
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<td>86</td>
<td>Sch IV</td>
<td>Professional Emergency Responders, designing, and construction of emergency teams during planning. Professional Emergency Responders are added in accordance with Clause 23.</td>
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<td>87</td>
<td>Sch VI</td>
<td>Emergency Response Vehicles and details of emergency shelters and are included in accordance with Clause 42.</td>
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<td>88</td>
<td>Sch VII</td>
<td>Fire for more than 15 minutes - Explosion/Blowout - Fatal Incident - Loss above Rs. 50 Lacs - Cumulative more than 500 hrs. - Plant Shutoff/Optimum due to the incident</td>
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<td>89</td>
<td>Sch VIII</td>
<td>The pipeline operator shall draw up a pipeline management system (PMS) to ensure that it is properly implemented. The PMS shall be designed to answer the following questions: a) How can we ensure that the safety of human health and the environment? The following issues shall be addressed by the Safety Management System:</td>
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<td>90</td>
<td>Checklist 1</td>
<td>The checklist is replaced with hazard &amp; risk assessment methods of hazard &amp; risk assessment.</td>
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<td>91</td>
<td>Checklist 2</td>
<td>The checklist is replaced with hazard &amp; risk assessment methods of hazard &amp; risk assessment.</td>
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<td>92</td>
<td>Checklist 1</td>
<td>The checklist is replaced with hazard &amp; risk assessment</td>
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<td>93</td>
<td>Checklist 2</td>
<td>The checklist is replaced with hazard &amp; risk assessment</td>
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<td>94</td>
<td>Checklist 1</td>
<td>The checklist is replaced with hazard &amp; risk assessment</td>
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Note: A copy of ERDMP, duly approved by the Board of Directors of the organisation shall be submitted to the Industry Board of Directors. Professional Emergency Responders are added in accordance with Clause 23. Safety Management System is replaced with Pipeline Management System. A. Gas Explosive meter under head Electrical Equipment has been replaced with other safety terms as Perilous Gas Detectors. Baricating Tape is added under Traffic Control Equipment. B. Nearby NDRB Wall is added in Section 19. Example change of group. - Instead of Portable gas detector, can write appropriate type of gas detector and same sensors to cover basic detector also. - Skip context can be added. - Permeable pressure gauge can be added.
| Annexure 1 | Format of MIGS
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<tbody>
<tr>
<td>96</td>
<td>Introduction of revised format having 18 elements</td>
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<td>96</td>
<td>To adopt internationally accepted format for MIGS</td>
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<td>100</td>
<td>Guidelines for Emergency Response Plan for Construction/Project Activities proposed to be added</td>
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<td>100</td>
<td>To meet the requirement as stipulated under clause 6</td>
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<td>100</td>
<td>Guidelines for Emergency Response Plan submitting</td>
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<td>100</td>
<td>Please find attached the commented annexure 3</td>
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</table>

[Checklist 2]

1. Whether the layout is convenient for operation and maintenance of safety equipment and meets minimum distance norms as per OISD-118.
2. Whether a duly constituted Safety Committee is functioning in the location with representation from workmen, staff.
3. Whether the site development and layout plans are deliberated in the meetings and appropriate decisions are recommended to eliminate or reduce the risks.
4. Whether the compliance status of recommendations of earlier Safety Committee meetings are discussed before taking up new issues.
5. Whether a system of regular monitoring of such audit compliances by controlling officers / HO are in place.
6. Whether the composition of external audit teams to ensure impartiality of audit findings.
7. Whether work permits are issued for hot work, cold work, electrical work, and vessel entry jobs.
8. Whether the location-in-charge of the authorized nominee remain the issue for all hot work and vessel entry permits for enhanced safety and control.
9. Whether work permits are duly closed at completion of the stipulated jobs, duly verified by the supervising officer.