

An ISO 9001:2015 Certified Company



## MADHYA GUJARAT VIJ COMPANY LIMITED

Registered Office: Sardar Patel VidyutBhavan, Race Course, Vadodara 390007.

Tel.No : (0265) 2310582-86 – Fax No : (0265) 2337918 / 2338164

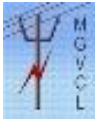
Web Site : [www.mgvcl.com](http://www.mgvcl.com) E-mail : [mgvcl@gebmail.com](mailto:mgvcl@gebmail.com)



### Syllabus of Examination for the post of Deputy Health, Safety & Environment Officer

Sr. No.	Reference Learning Outcome	Professional Knowledge Required	Weightage
1	<b>Safety: Identify accident prone areas and adopt methods for reducing accidents following safety precautions.</b>	<ul style="list-style-type: none"> <li>Preparation of Accident/Hazard reports, Causes, Identification, Evaluation &amp; Control of Hazard.</li> <li>Preparation of procedure of Safety equipment and their uses. Introduction of first aid, operation of Electrical mains.</li> <li>Knowledge of General Safety, Occupational health and hygiene, electrical safety, CEA Safety Regulation 2010.</li> <li>Study of risk at work site and preparation and initiation of reports</li> <li>Report preparation of accident prone area, practical usages of Safety belt, helmet, gloves, goggles, Earthing Rod, Operating Rod, Safety Shoes, Gum boot.</li> <li>Methods adopted for Reducing Accidents, Investigation of Accidents, Safety slogans, Principles of Accident, Accident radio study, identification of unsafe mechanical/physical conditions, and identification of unsafe acts. Frequency rate, prevention methods.</li> <li>Electrical safety: Identify various techniques of earthing standards and earth fault protection.</li> <li>Identification of electrical equipment in hazardous atmosphere.</li> <li>Preparation of Safety Policy, Safety Committee, Safety Review, Responsibility of Management, Safety Officers Duties &amp; Responsibilities, Safety Targets, Objectives, Standards, Practices and performances. Role of a supervisor.</li> <li>Identification of causes and classification of fire, Detection of fire, extinguishing methods, fire fighting installations with and without water.</li> <li>Disaster management floods, earthquake, cyclone, and slides, etc.</li> </ul>	25%
2	<b>Health</b>	<ul style="list-style-type: none"> <li>Preparation of steps for Cleanness, Disposal of Waste, Ventilation and Temperatures, Dust &amp; Fumes, Drinking Water, Lighting, Latrines &amp; urinals.</li> <li>Identification of First Aid Appliances, Canteen, Shelters for rest &amp; lunch, Welfare offers, Right &amp; Obligation of employees.</li> <li>Observation of Good housekeeping, Disposal of scrap and other trade wastes.</li> </ul>	25%





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		<ul style="list-style-type: none"> <li>Identify and select respiratory personal protective devices and carry out its maintenance.</li> <li>Preparation of Health management, Health Policy, Health Committee, Health Review, Responsibility of Management, Health Officers Duties &amp; Responsibilities, Health Objectives &amp; Standards, Practices and performances. Motivation &amp; communication as part of Health program.</li> </ul>	
3	Environment	<ul style="list-style-type: none"> <li>Identification of provisions for Protection of existing environment, Principles &amp; practices in Prevention &amp; control of Pollution, Water Pollution, Introduction to Hazardous Waste Management.</li> <li>Identification of environmental pollution - causes, effects and control measures of air pollution, water pollution, soil pollution.</li> <li>Developing a workplace Safety and Health Policy.</li> <li>Preparation of safety and Health objectives and Targets, performance standards.</li> <li>Preparation of Operation Structure and responsibilities, individual responsibilities, Safety consultation.</li> <li>Keep Awareness and competence.</li> <li>Communication - information coming into the organization.</li> <li>Document control: Safety and Health system records and reporting to the management.</li> </ul>	25%
4	Electrical safety requirements as per CEA notifications	<ul style="list-style-type: none"> <li>Material and strength and factors of safety</li> <li>Clearance above ground of lowest conductor of overhead lines.</li> <li>Clearance from buildings of lines of voltage and service lines.</li> <li>General Clearances</li> <li>Maximum interval between lines</li> <li>Line crossing or approaching each other and line crossing street and road</li> <li>Guarding</li> <li>Service lines from overhead lines</li> <li>Earthing.</li> <li>Safety and protective devices.</li> <li>Protection against unused overhead lines.</li> <li>Laying of cables.</li> <li>Precaution against leakage of current.</li> <li>Provisions for supply and use of electricity in multi-storeyed building more than 15 meter in height.</li> <li>Maintenance of lines and equipment.</li> </ul>	25%

