

OFF SITE EMERGENCY PLAN

FOR

MEHSANA DISTRICT

PREPARED BY

**MEHSANA DISTRICT CRISIS GROUP
MEHSANA DISTRICT**

UPDATED:—

YEAR-2026

-: F O R E W O R D :-

Gujarat State has highest number of Major Accident Hazard (MAH) factories and tops the country with 953 Major Accident Hazard (MAH) units. Out of these 09 such factories are situated in Mehsana District.

Government of Gujarat vide resolution dated 10th October, 1986, issued by Labour and Employment Department Constituted District Contingency Plan Committee under the Chairmanship of District Collector. Subsequently Government of India published Manufacture, Storage and Import of Hazardous Chemical (MSIHC) Rules, 1989 and Chemical Accidents (Emergency Planning, Preparedness and Response) (EPPR) Rules, 1996 under the Environment Protection Act, 1986.

The present plan is in two parts i.e. Part-I and Part-II.

Part-I contains information about Area Profile, Potential for Off-site Emergencies, Emergency Management Organization, Emergency Planning and Preparedness, Details of Control Room etc. It also contains Annexures 1 to 5 giving details of Key Contacts, Emergency Organization, Resources Available and Remedial Measures along with Community Information and Evacuation aspects.

Part-II signifies Major Accident Response System (MARS) giving details about Action Plan for Off-site Emergency in the event of fire, explosion, chemical spillage, transportation hazards and post emergency activities. As response

time is a critical factor for controlling and mitigating any type emergency, police, fire and medical services have been identified as first respondents.

I thank Ms. K. D. MODI, Deputy Director, Industrial Safety and Health, Mehsana and his Officers for compiling & updation of this plan.

Dated : / /2026

**Shri S. K. Prajapati (IAS)
District Collector and Chairman
District Crisis Group, Mehsana**

- : P R E F A C E : -

Government of India published Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules,1989 and thereafter Chemical Accidents (Emergency Planning, Preparedness and Response) (EPPR) Rules,1996 under Environment Protection Act,1986, with a view to minimize the loss of life and property in the event of industrial disaster.

The Mehsana District Contingency Plan came into the existence as a result of Government of Gujarat Resolution in the year 2002. The plan as per provisions of Manufacture Storage and Import of Hazardous Chemicals (MSIHC) Rules,1989 and Chemicals Accident (Emergency Planning, Preparedness and Response) (EPPR) Rules,1996.

I am grateful to the Additional Chief Secretary, Labour and Employment, Government of Gujarat and Director, Industrial Safety and Health, Gujarat State and the District Collector, Mehsana for their useful guidance provided by them for preparation of this plan.

I am also thankful to Officers of Mehsana office for the help they extended in completing the plan in the shortest possible time.

Dated: / /2026

**(K. D. MODI)
Deputy Director,
Industrial Safety & Health and
Member Secretary
District Crisis Group
Mehsana**

PART – I

**OFF SITE EMERGENCY
MANAGEMENT PLAN**

FOR

MEHSANA DISTRICT

PREPARED BY

**MEHSANA DISTRICT CRISIS GROUP
MEHSANA DISTRICT**

UPDATED :-

YEAR-2026

OFF-SITE EMERGENCY MANAGEMENT PLAN

FOR MEHSANA DISTRICT

Part I

CONTENTS

CHAPTER

1	INTRODUCTION		01
	1.1	Preamble	01
	1.2	Legal Background	01
	1.3	Objective and Scope	05
	1.4	Definitions [As per EP Act, MSIHC & Chemical Accidents (EPPR) Rules]	05
2	AREA PROFILE		10
	2.1	General	10
	2.2	Topography	10
	2.3	Meteorological Data	11
	2.4	Industrial Profile (List of MAH Category Industries)	11
	2.5	Location & Surroundings of MAH Units	12
3	POTENTIAL FOR OFF-SITE EMERGENCIES		13
	3.1	Hazard Identification & Analysis at MAH Units	13
		3.1.1 MAH Units in LCG 1	13
	3.2	Transport Emergency	15
		3.2.1 Major corridors for hazchem transportation	15
		3.2.2 Major Hazchem Transported	16

		3.2.3 Transportation Hazard Potential	16
	3.3	Hazard Identification for Natural & Other Manmade Disasters	18
		3.3.1 Flood & Heavy Rain	18
		3.3.2 Earthquake	18
		3.3.3 Cyclone	18
		3.3.4 War	18
4	EMERGENCY MANAGEMENT ORGANIZATION		19
	4.1	Background	19
	4.2	Composition and Functions of District Crisis Group (DCG)	19
	4.3	Composition and Functions of Local Crisis Group (LCG)	20
	4.4	Organograms for Typical Emergencies	23
5	PRE-EMERGENCY PLANNING & PREPAREDNESS FUNCTIONS		24
	5.1	Introduction	24
	5.2	District Emergency Authority – District Collector	24
	5.3	Member Secretary – Dy. Director, Industrial Safety & Health, Mehsana	25
	5.4	Communication Coordinator – GM, Telecom , Mehsana	25
	5.5	Technical Coordinators – 4 Expert in Industrial Health & Safety	28
	5.6	Safety Coordinator – Regional Officer, GPCB	29
	5.7	Fire Service Coordinator – Chief Fire Officer	30
	5.8	Rescue Coordinator – Commandant Home Guard	30
	5.9	Medical Coordinator – Commandant Home Guard	30
	5.10	Utilities Coordinator – Exect. Engr. (Elect.) - GEB	31
	5.11	Material Coordinator – District Development Officer	32

	5.12	Evacuation & Rehabilitation Coordinator – Chief Officer of Municipal Corporation	32
	5.13	Transport Coordinator – Assistant Transport Officer	33
	5.14	Security Coordinator – Superintendent of Police	33
	5.15	Public Works Coordinator – Exect. Engg. Public Health Department.	33
	5.16	Liaison & PR Coordinator – District Information Officer	34
	5.17	Coordination within Local Crisis Group	34
6.	CONTROL ROOMS		35
	6.1	Aim & Objectives of Control Rooms	35
	6.2	Location of Control Rooms	36
	6.3	Facilities Available at Each Control Room	37
7	PLAN TESTING AND UPDATING		38
	7.1	Introduction	38
	7.2	Desktop Exercise	38
	7.3	Truncated Trials	39
	7.4	Full Scale Testing	39
	7.5	Plan Updation	40
ANNEXURE 1 HAZARD SCENARIOS & EMERGENCY ORGANIZATION			41
ANNEXURE 2 DIRECTORIES OF KEY CONTACTS			50
ANNEXURE 3 RESOURCES			55
ANNEXURE 4 REMEDIAL MEASURES			79
ANNEXURE 5 COMMUNITY INFORMATION AND EVACUATION ASPECTS			117

PART – II

OFF SITE ACTION PLAN

FOR

MEHSANA DISTRICT

PREPARED BY

**MEHSANA DISTRICT CRISIS GROUP
MEHSANA DISTRICT**

UPDATED :-

YEAR-2026

PART – II (Action Plan)

CONTENTS

1	ACTION PLAN FOR OFF-SITE EMERGENCY		144
	1.1	Background	144
	1.2	Scope & Coverage	144
	1.3	Layout of the plan	144
	1.4	Level of Response	145
2	ACTION PLAN FOR OFF-SITE EMERGENCY-FIRE/EXPLOSIONS		146
	2.1	Hazard in the Area	147
	2.2	Notification to Off-site Authorities	148
	2.3	Immediate Response by First Responders	149
		2.3.1 Police Department	149
		2.3.2 Fire Department	150
		2.3.3 Medical Services	152
	2.4	Response by Other Response Agencies	154
		2.4.1 District Collector	154
		2.4.2 Member Secretary- Dy. Director Industrial Safety & Health, Mehsana	154
		2.4.3 Communication Co-ordinator	156
		2.4.4 Technical Co-ordinator	157
		2.4.5 Safety Co-ordinator	159
		2.4.6 Rescue Co-ordinator	159

		2.4.7 Evacuation and Rehabilitation Co-ordinator	160
		2.4.8 Transport Co-ordinator	162
		2.4.9 Utilities Co-ordinator	162
		2.4.10 Material Co-ordinator	163
		2.4.11 Public works Co-ordinator	165
		2.4.12 Liaison & PR Co-ordinator	165
3		ACTION PLAN FOR OFF-SITE EMERGENCY — LARGE SPILLS	168
	3.1	General	168
	3.2	ANALYSIS OF MCA SCENARIOS	168
4		ACTION PLAN FOR OFF-SITE EMERGENCY — SMALL SPILLS	175
	4.1	General	175
	4.2	ANALYSIS OF MCA SCENARIOS	175
	4.3	AREAS & POPULATION LIKELY TO BE AFFECTED	176
	4.4	CHAIN OF EVENTS	176
	4.5	NOTIFICATION TO OFF-SITE AUTHORITIES	176
	4.6	ESTABLISHING LOCAL COMMAND POST (LCP)	177
	4.7	ACTION BY FIRST RESPONDERS	177
	4.8	RESPONSE BY DISTRICT COLLECTOR AND OTHER RESPONSE AGENCIES	181
5		ACTION PLAN FOR OFF-SITE EMERGENCY HAZCHEM TRANSPORTATION	183
	5.1	Hazchem Transportation	183
	5.2	Major Corridors for Hazchem Transportation	183
	5.3	Major Hazchem Transported	184
	5.4	Transportation Hazards	184
	5.5	Analysis of Accident Scenarios	186

	5.6	Chain of Events	186
	5.7	Notification of Off-site Authorities	187
	5.8	Notification to Response Organisations	187
	5.9	Response by Police, Fire & Medical Departments	188
	5.10	Technical Co-ordinator	189
	5.11	Safety Co-ordinator	190
	5.12	Fire Services Co-ordinator	191
	5.13	Public Works Co-ordinator	192
	5.14	Table of Initial Isolation and Protective Action Distances	193
6	POST EMERGENCY ACTIVITIES		197
	6.1	Structural Inspection after Fires or Explosions	197
	6.2	Post Incidental Testing for contamination	197
	6.3	Waste Disposal	198
	6.4	Cleanup of Dead or Contaminated Livestock or Wildlife	198
	6.5	Provision of Alternate Water Supply	199
	6.6	Re-entry into Evacuation Areas	199
	6.7	Settlement of Claims under Public Liabilities Insurance Act,1991	199
	6.8	Responsibilities of other Statutory Authorities	200