

INDUSTRIAL DISASTER**Response to Off-site emergency**

Sr. No	Task	Responsibility	Activity.
1.	Disaster declaration and Plan Activation	COR, Collector	<ul style="list-style-type: none"> • Declare an off-site emergency in consultation with DCG and activate an off-site emergency plan. • Activate LCG. • Establish immediate communication with LCG, DCG, DEOC, UTEOC and UTDMA .
2.	Mobilization & Deployment	COR, Collector, Revenue Dept Home Dept, Health Dept., Industries Dept. Industrial Association.	<ul style="list-style-type: none"> • Arrange an immediate deployment of various ERTs in affected sector(s). (Police, Fire, S&R, Medical etc.) • Based on the emergency monitoring teams from off-site areas initiate countermeasures (such as sheltering and medical help). • Arrange an evacuation of the affected/likely to be affected workers and population to safer places. • Activate systems of the UT machinery to meet the necessary requirements of the public in the camp till the people are in a position to go back to their homes after the affected areas are cleared and declared safe. • Deploy QRMTs consisting of physicians, triage officer, nurses and paramedical staff.

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		COR, Collector, Revenue Dept. PWD, Civil Supply Dept. Health Dept. Electricity Dept. Home Dept., Local Bodies	<ul style="list-style-type: none"> • To ensure that necessary arrangements at evacuation/relief centers is made with sufficient availability of: <ul style="list-style-type: none"> ➤ Food, ➤ Water, ➤ Blankets/Clothing ➤ Medicines ➤ Lighting ➤ Sanitation and hygiene etc. • To ensure necessary security arrangements for the personals (Emergency responders/relief teams) who are working at Relief Centers and involved in distribution of Relief Materials. • To ensure that law and order is maintained at evacuation/relief centers and in the affected areas as well.
3.	Addressing Health related issues	Health Dept.	<ul style="list-style-type: none"> • Ensure that the required medical assistance/aid and medicines/antidotes are provided to the affected people at site as well as at evacuation/relief centers in the affected area and necessary records are maintained. • Ensure that the Hospitals are well prepared to deal with seriously injured persons.

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			<ul style="list-style-type: none"> • Keep adequate stock of essential medicines, antidotes, first-aid etc. at Village/district hospitals. • If required, take the help of doctors/paramedics from the list of doctors/paramedics available at the Village/district level for immediate medical assistance.
4.	Information to public and media	Information Dept, COR, Collector	<ul style="list-style-type: none"> • Make an arrangement for providing useful, timely, correct, consistent, and appropriate information to the public and media in the event of a chemical attack/disaster. • Ensure that the information to media/general public about the coordinated response is released in an organized manner.
5.	Disposal of Dead bodies	Home Dept. Revenue Dept. COR, Health Dept. Industries Dept. Industrial Associations.	<ul style="list-style-type: none"> • Ensure following procedure is followed before disposal/handing over of dead bodies: <ul style="list-style-type: none"> ➤ Photographs of the dead bodies are taken, ➤ Identification of the dead bodies is done, ➤ Post Mortem where ever necessary and possible is carried out, ➤ Handing over dead bodies of persons known/identified to their relatives, • Disposal of unclaimed and unidentified dead bodies

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		Animal Husbandry, Health Dept, Local Bodies	<ul style="list-style-type: none"> • Animal Husbandry Department to ensure medical aid to cattle that are injured. • Disposal of animal carcasses with the help of local bodies/health dept.
<i>Roles and Responsibility of some of the First Responders during chemical attack/emergency;</i>			
1.	Police	UTDMA Home dept. Collector	<ul style="list-style-type: none"> • Control and divert the traffic near the affected areas. • Ensure law and order at the incident site during chemical emergency/disaster and at evacuation centers too. • Provide security in evacuated areas. <p>In case of Chemical attack;</p> <ul style="list-style-type: none"> • Collector and Superintendent of Police (SP) will direct the participation of police in the emergency response. Collector and Superintendent of Police will constitute an integrated command. • Collector and SP will report to the UT Level Control Room immediately upon the receipt of information about the disaster.

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			<ul style="list-style-type: none"> • The SP will establish contact with the District Police Control Room immediately. He will get a situation estimate and assess the operational requirements for the police. • The SP will direct all the police officials and forces in adjacent Districts to be deployed if necessary. The SP will ensure that the police forces required for traffic management, evacuation and law and order are available with the District administration. • The SP will review the dissemination of warning and the need for evacuation. He will help the Fire & Emergency Services and the Deputy Director, Industrial Safety and Health with Police Wireless sets, so that there is continuous communication among the first responders in the emergency situation. • The SP will ensure that the police force will not enter the area under disaster without the permission of the Fire & Emergency Services and Health officials. • In case of big explosion and fire, the SP will assess the situation and suggest a Plan of Action based on his assessment of the immediate causation. • The SP will order deployment of the police force for

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			<p>evacuation of the people from the zone of the danger.</p> <ul style="list-style-type: none"> • The SP will send instructions for the cordoning off of the area. People should not be allowed access anywhere close to the site of the disaster. • The SP will review the traffic management in the area. The primary aim would be to ensure the transport of the injured to the hospital, easy access for emergency responders and safe evacuation of the people from the danger zone. • The SP will also issue directives that all the Private and Public Transport (trains and buses) be diverted from the disaster area. • The SP will contact the SP and ask him to organize the deployment of police force from other District, based on the need assessment. The UTDMA/IGP will also contact the Central Industrial Security Forces, and other paramilitary force to seek their deployment, if needed. • The SP will supervise law and order situation. He will take all the possible precautions to ensure that public order is maintained, and no one takes undue advantage of the situation.

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2.	Fire and Search & Rescue	Secretary, Industry & Fire Dept.	<ul style="list-style-type: none"> • Reach at the site soonest possible and assess the situation. (information about the chemical leak/spill, the action taken and current status) • In case of fire, start fire fighting with suitable media and also take care of surrounding storages/tanks to be over heated so that reduce the chances of „domino effect“. • In case of chemical leak, try to plugging/stopping of leak with the use of proper PPE. • Secretary, Industries will coordinate redeployment of Fire Tenders from other places, as required. • Secretary, Industries will also coordinate with the Private and Public Sector industries for deployment of their Fire Brigades to the site of the disaster. • The District Crisis Group, in consultation with the District Collector and other local officials will ensure that CFO Fire Services, Dy. Director - Industrial Safety and Health, Officer in charge Police and Health Personnel all work closely with full coordination. • Search and identify the risk and nullify the sources of

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			<p>leak / toxic release. If any unclear or unidentified substance or source is identified or detected, the team should send them immediately to the laboratory for further investigation / analysis.</p> <ul style="list-style-type: none"> • To search and evacuate the affected population from the site of the incident.
3.	Medical Services	UTDMA, DDMA, Health Dept. Family Welfare Dept. Revenue Dept.	<ul style="list-style-type: none"> • The Secretary - Health and emergency medicine experts will provide the necessary expertise and specialized services to the DCG. • The DCG will consider the level of exposure on the basis of situation estimate received from the District administration. It will consider the intrinsic toxic potential of the chemical, its concentration, the duration of exposure, and the health status of the people exposed. • Based on the information upon the level and extent of contamination, the UTDMA will decide on the issue of alert and warning to the people in the affected areas through the All India Radio, Doordarshan, and Cable TV. • The DCG will contact the Civil Surgeon and the District Health Officer of the concerned district and ask them to deploy all the necessary medical facilities including doctors, nurses, medicines, and ambulances.

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			<ul style="list-style-type: none"> • The DCG will alert major hospitals in the area, and ask them to be in readiness for receiving patients. • In case the nature of contamination requires much greater intervention, the DCG will inform the DDMA and ask for the necessary medical assistance of experts, doctors and equipments. The relevant agency for emergency medicine in the Government of India is the Directorate General of the Health Services (DGHS) in the Ministry of Health and Family Welfare. The DGHS has set up the Emergency Medical Relief cell, for dealing with these contingencies. • The DCG will review the diagnostic support services: clinical laboratory, blood banks, radiology, pathology, pharmacy, paramedics, Red Cross, NGOs and volunteer personnel. It will seek all the steps to organize the necessary medical help through the deployment of doctors, paramedics, and provision of blood and medicines, as required. • The DCG will review the administrative support required for the situation, which includes communications, transport of the victims and of the personnel, feeding of the personnel and patients and

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			<p>supplies.</p> <ul style="list-style-type: none"> • The DCG will collect information on the number of deaths and persons injured; the nature of injuries and the likely long-term consequences. • The DCG must assess the medical needs of the area on the basis of likely long-term consequences and take steps to equip local medical facilities for treating people on a long-term basis. The DCG must also make financial provision for spending on long-term treatment.

8.5 Responsibilities after the disaster

Once the situation at the site is under control, fire has been extinguished; the emission of vapours to the atmosphere has been effectively checked, the following actions have to be performed by various sub-teams of the SRT and the respective line departments as well as the district administration:

Search & Detection of Leak / Toxic Release - The Search & Detection Team would identify the risk and nullify the sources of leak / toxic release. If any unclear or unidentified substance or source is identified or detected, the team should send them immediately to the laboratory for further investigation / analysis. The Team should also preserve the samples from the site of the