













इंडियन					
India	Major Process Units				
	Unit	Licensor	Capacity, MMTPA	Commissiong Year	
	Distillation unit (AVU)	USSR	8.0	1982	
	Visbreaker (VBU)	UOP	1.0	1982	
	Fluidised Catalytic Cracker (FCCU)	UOP	1.34	1983	
	Propylene (PRU)	EIL	0.024	1996	
	Catalytic Reformer (CCRU)	AXENS	0.466	1998	
	Diesel hydro Desulphuriser (DHDS)	AXENS	1.1	1999	
	Hydrogen HGU-I	HTAS	0.034	1999	
	Hydrocracker OHCU	CHEVRON	1.2	2000	
	Hydrogen HGU-II	TECHNIP	0.06	2005	
	Diesel hydrotreater (DHDT)	AXENS	1.8	2005	
	MS Quality (Penex)	UOP	0.44	2005	
	Gasoline Desulphurisation (PRIME-G)	AXENS	0.525	2010	





	Inventory of Hazardous Materials		
S. No.	SERVICE	INVENTORY - STORAGE	
1	CRUDE OIL	430000 M3	
2	OTHER CLASS 'A' HC	337900 M3	
2	Naphtha, MS & MSQU feed	337900 1013	
2	OTHER CLASS 'B' HC	281280 M2	
5	ATF, SKO & HSD	301300 1013	
1	OTHER CLASS 'C' HC	251800 M3	
4	LDO, FO & Bitumen	231000 1013	

	Inventory of Hazardous Materials		
S. No.	SERVICE	INVENTORY - STORAGE	
5	LPG	9000 M3	
6	PROPYLENE	2700 M3	
7	HYDROGEN	900 M3	
8	NITROGEN	160 M3	
9	AMMONIA CYLINDERS	50 Nos	
10	CHLORINE TONNER	10 Nos	











































Classification of Emergencies			
SN	TYPE OF EMERGENCY	SIREN CODE	Level
1	Small Fire	No siren will be sounded	L-1
2	For Major Fire / Major Emergency	Wailing type Siren for continuously two minutes	L-2
3	Disaster (Evacuation Siren)	Repetition of Major fire siren 3 times with a gap of 1 minutes in between. Total duration– 8 minutes.	L-3
4	All Clear Siren	Straight jetting sound for two minutes	-
5	Testing of Siren	Straight jetting sound for one minute (Daily at 7.45 Hours). Disaster mode on 1 st day of the month Major Fire mode on 2 nd day of month.	-

FOREWORD	
Petroleum products are essential in the progress of a country. Hence consumption of petroleum products in considered as a one of the indicates the prosperity of any nation. Huge amount is being spent towards the production of role the prosperity of any outside in the spectra of the product of the production of the product of the product of the and petroleum products pose considerable hazard in storage, handling and processing. Any exigency arising out of and in the course of its storage, handling and processing due to their inflammable and explosive properties can lead to a major disaster. In the past few years, there have been numbers of industrial disasters world over, which have threatened process plant personnel, equipment and environment. In view of this, it is essential that we remain prepared to handle energency.	
The On-Site Emergency Preparedness Plan of Mathura Refinery named as ERDMP has been verticed interpretory Response & Disaster Management Plan (ERDMP) Regulation - 2010 Emergency Response & Disaster Management Plan (ERDMP) plan, the probable scenarios have been developed after detailed study of incidents encountered in the past as well as the outcome of Comprehensive Risk Analysis study. The functions of the Site Main Controller and other key presonel have been explained in detail. The manual is updated time to time to address all the changes in the organizational structure or to incorporate the major changes.	
It is expected that all the coordinators identified in the manual are fully conversant with the updation and their roles & responsibilities in the event of an emergency situation. Also efforts should be made to educate other employees of the refinery about timely actions in cases of an emergency. This document gives general guidelines only. These may be altered, if felt necessary, during the actual emergency based on unforesteen circumstances prevailing at that time.	
Emergency Response & Disaster Management Plan (ERDMP) containing total 26 chapters including 30 annexness and 26 figures is available on Mathura Refinery intranet "Galaxy". All employees should refer it regularly.	
Place - Mathura Dete - S. 6 2010 d We COMPANY AND	
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इंडियनऑयल				
IndianOil	ERDMP as per ERDMP Regulation 2010	नहेव अप्यतम् महारा रिकाइनसे		
	PREFACE			
	Other than having historical and mythological importance Mathum district is also important in providing and julipility the chemical needs of the Utar Prodect and the country. There is and obtain the fort than distribution district abates prune as it is having mans of the MANI (Major hazandrus installation). Installations, both the perturbution products are essential for the protects of the country. For becoming self sufficients for a country. There is production of perturbution products at a large scale. Is a neeksity today. However other side of perturbution of perturbution products at a large scale. Is a neeksity today. However other side of perturbution products a large scale. Is a necessary for such chemicals at all states of neutronian distributions and utmost crow is necessary for such chemicals at all states of manufacturing, processing, treatment, pockaging, storage, tumportation, usage, collection, distribution and conversion or tale.			
	In past few years, there have been numbers of Industral disasters world aver, which have threattend process plant personnel, equipment and environment. Proper planning and proportioners run minimize the occurrences of entreproducts cause through chemical accidents. In response to a chemical emergency a coordinated efforts at the district level is very much essential. Resping the chantain in mind an "OFF SITE EMERGENCY PLAN" of Molthum district was perpared.			
	This document is prepared and developed on the boxic of whinhite guidelines loid down by the ministry of environment & forest, Government of ladia and with the ucouliuskich of members of Darkst (Links group via. Asta: Discrete of features Algorithem new, Diarier mogietness Mothum, Chief makizal differs, Chief Frie differs, District Information differs, Chief contabler of explositions, Chief medical differs, Other Frie differs, Dastic Information of U.D. Fullusion enterle based, Transport offers, Sofely differs of all lagan, respectively of U.D. Fullusion enterle based, Transport offers, Sofely differs of all lagan, respectively of U.D. Fullusion enterle based, Transport offers, Sofely differs of all lagan, respectively on under any chemical based of the state of the development of the important commitment of the Jostic Information of the state of the observed and minimum differs of the preparing the document is prepared to reflect the important committent of the Jostic baset and used with observed in any of the document will serve as useful reductive multicutured for the monogeneous and handling of the classical multicuture of preparing hazardous units as well as all concerned departments.			
	District Magistrate िल्लाकीकार्यन प्रमुख			





(SB4-Situa)	
On-site Eme	ergency Committee
The ON-SITE EMERGENCY COMMITTE units comprises of-	EES of the following Major Accident Hazards (MAH)
<u>1. M/S IOCL Mathura Refinery, Mat</u>	thura
A. Works main controller	: GM (Tech.) IOCL MR
B. Alternate Person	: DGM (PN) IOCL MR
2. M/S INDIAN OIL CORPORATION	N, Indane Bottling Plant,
A. Works main controller	: Senior Plant Manager
B. Alternate Person	: Assist. Plant Manager
<u>3. M/S IOCL Mathura Terminal Mat</u>	hura
A. Works main controller	: Chief Terminal Manager
B. Alternate person	: Asst. Terminal Manager
<u>4. M/S BPCL Tank Terminal Mathu</u>	r <u>a</u>
A. Works main controller	: Senior Terminal Manager
B. Alternate person	: Asst. Terminal Manager
5. M/S HIND LAMP A. Works main controller B. Alternate Person	: Chief General Manager : Works manager
<u>6. M/S Hindustan Petroleum Corpo</u>	o <u>ration Ltd.</u>
A. Works main controller	: Depot Manager
B. Alternate Person	: Dy. Manager (Depot)

ianOil	Off-site Emergency Committee			
		CHAIRMAN	ALTERNATE	
Off-S	ite Emergency Controller	District Magistrate	his nominee	
Sub co	ommittee	, -		
(I)	Law & Order Committee	ADM –City	ADM- F&R	
(11)	Rescue Committee	City magistrate	SDO	
(111)	Traffic control Committee	ADM City	A.R.T.O.	
(IV)	Advisory Committee	Asst. Director of factories	or his nominee	
(V)	Fire Control Committee	Chief Fire Officer	In-charge Fire Services	
(VI)	Communication Committee	Dy. Director of information	Dy. Controller civil Defense	
(VII)	Health & Welfare Committee	С.М.О.	C.S. District Hospital	
(VIII)	Water supply Committee	G.M. Jal Nigam	Chief Engineer Jal Nigam	
(IX)	Transport arrangement committee	ARTO	S.P. Traffic	
(X)	Awareness, Education and Training Committee	Chief warden civil defense	D.I.O.S.	



इंडियनऑयल	
IndianOil	Role of DM Mathura
•	Requisitioning all possible modes of transport for shifting to predetermined shelters if required, with the help of District Transport Authorities as well as UPSRTC.
•	Identify places of safe shelters where the evacuated population has to be enforced. Organize tents etc. if the shelter places are open grounds.
•	Organize necessary medical aid through district health authorities and other voluntary institutions.
•	Ensure supply of food, drinking water and proper sanitation to the evacuated persons kept in various shelter locations.
•	Arrange protection of property of the evacuated villagers during their absence.
•	Coordination with UP State Govt. authorities at Agra / Lucknow.
•	Coordinating assistance to Refinery Management for their On-Site Emergency Management.
•	Monitoring the shelter camps and villages, till such a time that normalcy is restored.
•	Making public announcements from time to time in the villages, shelter camps and in the city and coordination with media persons.
•	Transportation of the villagers back to the villages after normalcy has been restored.













5. Role of Fire Control Committee
(5) FIRE CONTROL COMMITTEE:-
A.Chairman : Chief fire Officer alternate In-charge of Fire Services
Responsibilities :
1. The fire control committee shall be responsible for arranging all fire
fighting operations during an emergency and will supplement with the local Industry's fire brigade.
2. To educate public on fire protection measures.
Procedures:
(a)The chief fire officer would receive detailed information including severity and type of incident regarding any fire incident from the control room. He would then initiate action on fire fighting operations.
(b)The chief fire officer would be overall in charge of all off-site fire fighting operations. However for firefighting operations within any industrial unit the in house fire officer would be in charge. CFO in this case will only function with him ably as an advisor.
(c)The CFO would keep the control room informed about the latest position on fire control during emergency.















(डीयनआपन)	
Best Practice	s – Studies /Audits 💦 🎽 🏯
The set of	Skill development centre Hazop Study carried out for all the units including off-site area – five yearly basis Risk Analysis carried out after major modification Pre-shut down, During Shut down and after shut down safety audits carried out by multi-disciplinary RHQ team and all the suggestions implemented in time bound manner. Quarterly Process Safety Performance Indicator (PSPI) Analysis Job safety Analysis for critical tasks by multi-disciplinary team.

(Sizeranium)	
Best Practices –	Safety Education
Pre-Shutdown Safety Supervisors' meet being addressed by GM(T)	 In-house trainings on Behaviour Based Safety conducted at site (inside battery area) - yearly basis Safety supervisors' meet conducted to educate the supervisors on safety - yearly basis Training on Hazard Operability Study (HAZOP) conducted – yearly basis. Training on Hazard Identification & Risk Assessment was conducted – yearly basis. Transporters meet to improve safety during transportation of chemicals / hazardous materials yearly basis











