

ON SITE EMERGENCY PLAN

And

DISASTER CONTROL MEASURES

OF

JINDAL STEEL & POWER LIMITED

PATRATU

Date : August,2013

SAFECON INDIA

**MEMBER OF NATIONAL SAFETY COUNCIL
COMPETENT AUTHORITY**

**Approved by Chief Inspector of Factories, Govt of West Bengal under Factories Act
Under Section 28, 29 & 31 of Factories Act**

**Approved by Chief Controller of Explosives , Govt. of India under Petroleum Act
Under Rule 126,130 of Petroleum Act**

Safety Audit, Safety Training, Instrument Calibration, NDT and DP Test

**Repairing, Servicing Of EOT/HOT Cranes,
Chain Pulley Block , Electric Hoist etc**

Works & Office : 28, D. N. Mukherjee Road, Chatra, Serampore – 712 204Tele Fax : 033-2622-6542/2062, M-9903263180

August,2013

FOREWORD

M/s Jindal Steel & Power Limited (JSPL) has a (Steel) Plant, at **Patratu, Giribraj, PO: Balkudra, Dist.: Ramgarh, Jharkhand – 829143.**

The management of JSPL requested Safecon India to prepare an Onsite emergency and Disaster management plan for this Steel Plant. Accordingly the plan is prepared by shri A.K. Ganguly, former Director (safety) Central Labour Institute, Mumbai.

The company has a major expansion plan to set up an integrated steel plant at Patratu in near future. The plan is to be updated periodically to suit the requirement of the new plants, installations and manpower.

The plan should be reviewed periodically and after any major emergency occur. If required it is to be updated to incorporate the change of persons, systems and telephone numbers.

The co operations extended by the management and others of the JSPL Patratu Plant for preparation of this Document is gratefully acknowledged.

(A.K.Ganguly)

Kolkata

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1. INTRODUCTION:

DISASTER:

A disaster is an unforeseen combination of circumstances that causes serious body injuries, loss of life or extensive damage to the plant facilities or total evacuation of the area(s).

Any one or more of the following uncontrollable factors may **cause a disaster**:-

- 1) Reduction or failure of cooling water.
- 2) Failure of power.
- 3) Rupture or damage of the line, vessel or tank.
- 4) Excessive leakage of inflammable/corrosive or toxic materials.
- 5) Excessive leakage of inflammable/toxic gas to atmosphere.
- 6) Cyclone.
- 7) Earth quake.
- 8) Fire or Explosion.
- 9) Sabotage.

An onsite emergency plan describes in details, the policy and procedures of a factory for coping with an emergency situation on site. These policies and procedures define how a factory protects its people and property in case of a major event. Time and history has shown that a well thought out coordinated response helps to prevent personal injury, property damage and lessen the resulting confusion. When a factory plans properly on how it will respond to an emergency threatening it's operation, it is more likely to survive the incident. Developing the plan is the process of assigning emergency related tasks to individuals in the organization and out lining the protective actions to be taken.

JINDAL STEEL & POWER LTD., PATRATU, carrying out hazardous process under sec 2(cb) of the Factories Act 1948, and is manufacturing wire rods, rebar and angles. The factory runs in three shifts.

2. OBJECTIVES

The disaster control procedure lays down the efforts to be made to prevent fatal accidents, physical harm or injury to personnel and damage to equipment facilities or materials. It requires co-ordinate effort of all employees to control and eliminate a disastrous situation.

The objectives of preparing this plan are to provide the factory authority to take appropriate and effective actions in the event of an emergency situation in order to:-

- * Protect factory personnel inside and public outside the factory.
- * Protect property and minimize loss.
- * Protect work environment and outside environment.

- * Effective rescue and proper treatment of casualties.
- * Bring the situation under control.
- * Ensure rapid return to normal operation.
- * Preserve relevant records and equipment for subsequent enquiry.

3. DESCRIPTION OF FACTORY

COMPANY PROFILE

Jindal Steel and Power Limited (JSPL) is one of India's major steel producers with a significant presence in sectors like Mining, Power Generation and Infrastructure. With an annual turnover of over US\$ 3.5 billion, JSPL is a part of the US\$ 18 billion diversified O. P. Jindal Group and is consistently tapping new opportunities by increasing production capacity, diversifying investments, and leveraging its core capabilities to venture into new businesses. The company has committed investments exceeding US\$ 30 billion in the future and has several business initiatives running simultaneously across continents.

Mr. Naveen Jindal, the youngest son of the legendary Shri. O. P. Jindal spearheads JSPL and its group companies. The company produces economical and efficient steel and power through backward and forward integration.

From the widest flat products to a whole range of long products, JSPL today sports a product portfolio that caters to varied needs in the steel market. The company also has the distinction of producing the world's longest 121 metre rails and large size parallel flange beams for the first time in India.

Name & Address:

JINDAL STEEL & POWER LTD., PATRATU

Giribraj, At/PO: Balkudra, Patratu

Dist.: Ramgarh, Jharkhand – 829143

Tel: 06553 – 275721, 275723

Communication:

Nearest Railway Station: Patratu Railway Station (10 KM)

Nearest Airport: Birsa Munda Airport (50 KM)

Road Connectivity: Ranchi - Ramgarh 4 lane State highway adjoining JSPL gate

MANPOWER BREAKUP SHIFT WISE:

Location	A+G Shift	B - Shift	C- Shift
W R M	80	75	70
B R M	80	75	70
R S C	60	40	40
MILLS UTILITY	30	20	16
RLY. SIDING	25	20	20