OCCUPATIONAL HEALTH & SAFETY AUDIT

AS PER IS 14489

By

Federation of Indian Chambers of Commerce & Industry

(A SAMPLE REPORT)



RSPL OPTICAL BRIGHTENER AGENT (OBA) PLANT

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TABLE OF CONTENTS

DESCRIPTION	PAGE NO
EXECUTIVE SUMMARY	04
SCOPE OF AUDIT	04
OBJECTIVES OF THE AUDIT	05
STANDARD	05
METHODOLOGY	06
INTRODUCTION	06
MAIN AUDIT POINTS	06
1. NOTEWORTHY EFFORTS	06
2. SYSTEM ISSUES	06-09
AUDIT OBSERVATIONS	10-12
SUGGESTIONS/RECOMMENDATIONS BY THE AUDITORS	13
AUDITOR'S NOTE	14
ANNEXURE - PHOTOGRAPHIC EVIDENCES	15-23

EXECUTIVE SUMMARY

The first external Safety, Health & Environment (HSE) audit was conducted at RSPL Ltd., SAGAR-UNIT-II, OBA Plant (GHADI DETERGENT PLANT) on March 07 & 08, 2019. The Audit was carried out as per the requirement under IS 14489 and the various Legislative requirements such as the Factories Act, 1948 and other applicable Statutes.

"Management Systems" audit was done to assess the management's involvement and commitment towards promoting safety and health systems at work. Management system audit provided scope of examining and evaluation of safety policies and procedures and their review, hazard communication system, dissemination of information and hazard awareness programme, training and motivation of employees, etc.

Besides management systems audit, technical aspects of plant activities namely, storage and handling of hazardous substances, Emergency Preparedness, process and operational safety review, transportation safety, testing and examination of plant and equipment, housekeeping, waste disposal system, fire prevention and control, etc. was also audited.

Site visit, interview of concerned personnel and review of existing documentation, records etc. was done by the auditors to verify the implementation status. During plant visit, various personnel were interviewed to know their understanding of the HSE systems and how they are implementing the same. There were 03 N1 and 09 N2 non conformities observed.

Apart from the N1 and N2 non conformities, a few photographs were also taken to inform the plant management about the negligence in implementation of BOCW Act and Factories Act requirements.

(Note: N1 Audit findings are to be closed within 14 days and N2 Audit findings are to be closed within 28 days)

OBJECTIVES OF THE SAFETY AUDIT

The overall objectives of the safety audit were as under :-

- To carry out a systematic critical appraisal of all potential hazards involving personal, plant, services and operation methods.
- To examine critically the working conditions of the plants which are hazardous in nature and may lead to accidents.
- To evaluate work practices and procedures followed in the plant and their effectiveness.
- To evaluate the effectiveness of the existing safety and health management system and suggest recommendations for implementation by the management.

SCOPE OF AUDIT

The scope of the safety audit was limited to the safety and health of workers employed in the manufacturing processes and operations and also the safety of the plant and equipment used in the factory.

The following elements of management systems and technical aspects was audited as per IS 14489

- Safety Management Systems
- Process Safety for reactions/chemicals being used
- Operational Safety
- Equipment and Machine Safety
- Electrical Safety
- Fire Safety
- Behavioural Based Safety issues
- General Safety issues due to unsafe act, conditions and behaviours
- Plant design issues

- Relevant applicable EHS legislation compliances
- Work force Safety including usage of PPEs, training to workforce, machine guarding to safe guard the work force, competence mapping of the work force.
- Competence mapping for the activities involving high and medium EHS risk.
- General environmental hygiene issues in the plant
- Environmental protection arrangement in the plant.
- EHS documents reviews, required as per government norms
- Emergency Preparedness in the plant

STANDARD

The Audit was carried out as per the requirement under IS 14489 and the various Legislative requirements such as the Factories Act, 1948 and other applicable Statutes.

METHODOLOGY OF AUDIT

- The following methodology was adopted be to identify the hazards to health and safety of the employees due to deviations from the applicable statutes, standards, operating procedures and the codes of practices by the audit team.
- The Audit Questionnaire was sent to RSPL Ltd. Sagar UNIT II, OBA Plant Safety In-Charge
- The safety Audit was carried out by a team of 2 Experts.
- An opening meeting was held with the Management to explain the objective, scope and methodology that would be followed while carrying out the audit. This meeting helped in establishing mutual communication links between audit team & the plant executives and to confirm the resources & facilities needed by the audit team.

- A thorough survey of various applicable statutes, codes of practices, standards & other literature was done prior to the field work in order to collect available safety and health related information applicable to the plants to be audited.
- The various plants and sections was visited and inspected to assess the need for supplementing or modifying the details obtained through questionnaires and to ascertain the gaps to make suitable recommendations to overcome the same. Photographs of various non-conformities were taken wherever possible and are annexed with this report.
- Discussions were held with the plant personnel, Supervisors and management representatives and workers to derive the information regarding existing measures on safety and health and accident prevention practices in the plant.
- The Closing meeting was held on Mar 8, 2019 with the Management including the Safety Head and other unit Head to apprise them with the draft audit observations and recommendations based on the audit visit and examination of the various documents to ensure the technical feasibility in implementation.



Closing Meeting Photo

Thank You !