Deployement of HSE Plan for Subcontract HSE Management

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Abstract:
Enforcement of law and implementation of different methods and practices by organization to reduce accidents at workplace is a continuum which has resulted in new ways. HSE Preparation is a process that creates a safety partnership between management and subcontract that continually focuses people's attentions and actions on theirs, and others, daily safety behaviors. Safety performance was also evaluated at regular intervals to calculate the improvement in the group. The result showed that an adequate improvement in safety performance is possible with this approach of following the below documents and procedures.

1. INTRODUCTION

Health, Safety and Environment plan (HSE) has been prepared to provide a framework for site personnel to plan and develop a program, to achieve the objective contained in the Health, Safety, Environment and Policy. Company shall establish a comprehensive Health, Safety & Environmental Management Systems and undertake sole responsibility of Health, Safety, Fire protection and Environmental Protection of the work activities.

1.1. ABOUT COMPANY

At EY, they're dedicated to helping organizations solve their toughest challenges and realize their greatest ambitions - from start-ups to Fortune 500 companies – and the work they do with them is as varied as they are. Through the four service lines — Assurance, Consulting, Strategy and Transactions, and Tax — they help their clients capitalize on transformative opportunities. They also help them fulfill regulatory requirements, keep investors informed, and meet the needs of all of their stakeholders. And in a fast-changing world, they give them the support they need to be effective today and create long-term value for tomorrow.

1.2 DEFINITION

Hazard
Source, Situation or act with a potential for harm in terms of human injury or ill health, or a combination of these.

Incident
An event or chain of events which has caused or could have caused injury, illness and /or damage (loss) to assets the environment, company reputation or third parties

Injury
Physical harm or damage to a person resulting from a single Incident traumatic contact between the body of the person and an outside agency, or from exposure to Environmental factors i.e. Cut, Fracture, sprain, Amputation burn by hot surface or caustic chemical etc.

Lost Time Incident
Any work related injury or illness, which prevent that person from doing work the day after the incident /Injury.

Near Miss
Any (Incident) event which had the potential to cause injury and /or damage and /or loss, but which was avoided by circumstances.

Risk
Combination of the likelihood of an occurrence of a hazardous event or exposures and the severity of injury, ill health environmental loss that can be caused by the event or exposure(s)

HSEMS
Health, Safety& Environment Management System

2. COMMITMENT

Commitment to HSE through leadership A world-class HSE performance is essential to our future commercial success and our reputation as a responsible global business. At the heart of our HSE commitment is our care for people, for our community of employees as well as for all the tens of millions of consumers we serve every day. Health and safety is the founding pillar on which we base our mission to improve the Quality of Life. A culture built around a zero accident mindset – an absolute leadership and frontline commitment to HSE founded on the fact that accidents are preventable

HSE integrated into everything we do

• How we recruit, buy, sell and operate, HSE is part of all our daily activities.
• Risk based - We identify hazards and invest in the required technical skills and training to manage the risks to prevent accidents
• A common approach to HSE and sharing of best practice
• A single, global, health, safety and environment framework and standards adapted for local regulations.

4. ORGANISATION

4.1. ORGANIZATION

The Organization structure indicating various HSE relationships together with lines of communication for effective management and execution of the work is shown in Organization.
4.2. HSE RESPONSIBILITIES

HSE will be the responsible of line management will be given professional support to site team.

- HSE processes implemented in accordance with Company-Client and applicable legal requirements
- Line management prepared to lead HSE on a daily basis through training and coaching
- Hourly employees prepared to complete their jobs in accordance with applicable HSE requirements
- Audits and inspections completed, line management assisted to develop corrective action plans; and completion of the plans tracked
- Line managers, supervisors and hourly employees trained in completing inspections and in the reporting of leading indicators
- Line managers and supervisors trained on incident reporting, investigation and root cause analysis
- All incident cases reported, classified and investigated
- Business Continuity Planning deployed
- HSE documents and records maintained
- Current on applicable legal and local / national requirements and internal requirements (Company, client)
- HSE reports prepared and issued
- Provide support for bids and tenders Communicate and motivate safety at all levels
- Audits and inspections completed, line management assisted to develop corrective action plans; and completion of the plans tracked

Environment Management System as per ISO 14001 (Haz/Non Haz/ E Waste Management)

Energy
- Maintaining EB (Grid) units & DG units on Daily & Monthly basis

Water
- Maintaining record of Ground / Tanker water & Bottled water
- Water Test Report

Waste management
- All practical measures to reduce the generation of waste and to recover valuable resources must be given due consideration by all operations to the use of the waste management hierarchy.
- All waste will be managed in accordance with the Local laws and Waste Management Procedure to ensure effective storage, handling and disposal such that no pollution occurs.
- All waste (Hazardous and Non-hazardous waste) will be disposed off in the municipal approved waste dealer.

Non –Hazardous waste
- Any waste generated by facility processes or civil activities that is not classified as hazardous. Example is wood, chairs, furniture, Shredding Paper, Dry & Wet (Food) Waste, Sanitary Napkins. Maintaining all disposals record by site Manager.

Hazardous waste
- Substance that a pose a present or future threat to man and or the environment which are unwanted and economically unusable and which exhibit one or more of the following characteristic: Chemical Cans, UPS Batteries,

E-Waste
- E-Waste is a serious environmental problem, from toxic chemicals and heavy metals leaching into soils in landfills, to the pollution to air and water supplies caused through improper recycling techniques in developing countries. Examples of e-waste include TVs, computer monitors, printers, scanners, keyboards, mouse, cables, circuit boards, lamps, clocks, flashlight, calculators, phones, answering machines.

3. PERIODIC MONITORING & TESTING

a) Planned to do Indoor Air & Noise monitor Test - Frequency: Yearly

b) Daily monitoring of Indoor Air Temp., AHU, Electrical Room, HUB Room, Rest Rooms, Pantry

c) Calibration of measuring instruments has two objectives. It checks the accuracy of the instrument and it determines the traceability of the measurement. In practice, calibration also includes repair of the device if it is out of calibration. A report is provided by the calibration expert, which shows the error in measurements with the measuring device before and after the calibration.

List of the Equipment’s
1. Digital Clamp meter
2. Anemometer
3. Digital Lux meter
4. Megger
5. Phase Sequence Meter
6. Electrical Hand gloves
7. Digital Thermometer
8. Infrared Thermometer
9. Vacuum Machine

d) Chemical
Chemical MSDS, inventory, Manufacturing & Expiry dates.

4. AUDITS AND EHS TRAININGS
ISO 14001 & OSHA 18001 (45001)

Scope: This International Standard specifies the requirements for an environmental management system that an organization can use to enhance its environmental performance. This International Standard is intended for use by an organization seeking to manage its environmental responsibilities in a
systematic manner that contributes to the environmental pillar of sustainability.

This International Standard helps an organization achieve the intended outcomes of its environmental management system, which provide value for the environment, the organization itself and interested parties. Consistent with the organization’s environmental policy, the intended outcomes of an environmental management system include:
— Enhancement of environmental performance;
— Fulfillment of compliance obligations;
— Achievement of environmental objectives.
This International Standard is applicable to any organization, regardless of size, type and nature, and applies to the aspects of its activities, products and services that the organization determines it can either control or influence considering a life cycle perspective. This International Standard does not state specific environmental performance criteria. This International Standard can be used in whole or in part to systematically improve environmental management. Claims of conformity to this International Standard, however, are not acceptable unless all its requirements are incorporated into an organization’s environmental management system and fulfilled without exclusion. Delivery of this Service Line must be in accordance with Applicable the requirements of OHSAS 18001 and COMPANYGSS Policy

5. SITE OPERATIONS INCIDENT MANAGEMENT

![Figure 5.1 SALUS Incident reporting portal](image)

6. VLEGAL COMPLIANCES

a. Submission of relevant reports to PCB and the acknowledgement sought to be filed with the respective location FM. Ensure proper documentation and tracking of all reports which needs to be filed with PCB (Monthly, Bi Yearly & yearly as per PCB norms which is duly endorsed) and DEI as date specified in the norms; 100% adherence.

b. Legal submissions to PCB, CEIG, DISCOM, Explosive licenses & other Govt. Agencies duly endorsed from the concerned. Follow up with local EB / PCB / CEIG as and when required

6.1 LEGAL DOCUMENTS

Air & Water Consent
CEIG
DG
Hazardous license
HSD license
Lift License
NOC and OC
OC final
FIRE NOC
E-waste
Building Stability Certificate

7. CONCLUSION

Thus these been submitted to the organization by collating all the documents which they follow at present to have a control over the safety in subcontract management which highly shown an improvement in the sites safety performance. The same will be physically followed and monitored in the second phase of the project and the HSE performance of the site will be Statistically graphed. All the PDF documents attached were company’s global policies and the Excel and word copies were done by HSE team

8. REFERENCES

[1]. FACTORIES ACT 1948
[2]. OHSAS 18001 & 45001
[3]. SODEXO Global safety policies
[4]. EY Global HSE Policies
[7]. PCB, CEIG, DISCOM