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ADB Health, Safety and Security (HSS)

Awareness Training Course

ADB



Training on Health and Safety in Pakistan

19–22 August 2024 • Islamabad, Pakistan



Programme Overview

1

Introduction
HSS at ADB

2

Safety Culture and
Risk Management

3

Workplace Health and
Safety

4

Community Health and
Safety



Safety Culture

SPEAKERS

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Principal Safeguards Specialist, OSFG

Dawood Muhammad

Consultant

**WORK SAFE
STAY SAFE**



**SAFETY
CULTURE
IS LIKE
AN ICEBERG**

ADB

**WORK SAFE
STAY SAFE**

← **WHAT PEOPLE SEE**



**WORK SAFE
STAY SAFE**

BEHAVIOUR
KEY PERFORMANCE INDICATORS

WHAT LIES BENEATH

**WORK SAFE
STAY SAFE**

BEHAVIOUR
KEY PERFORMANCE INDICATORS

PRACTICES

ATTITUDES

BELIEFS

**SAFETY CULTURE
STARTS HERE**



BEHAVIOUR
KEY PERFORMANCE INDICATORS



SAFE WORK PRACTICES

LIFE SAVING RULES

SAFETY POLICY



**SAFETY CULTURE
STARTS HERE**

Steps to a strong safety program



WORK SAFE STAY SAFE

40% 23% 18% 19%

Safety Culture - Report Card

OVERALL PERFORMANCE SUMMARY

THE SAFETY CULTURE - REPORT CARD consists of 50 interconnected checks against the existing PPE, Quality, Health, Safety and Environment Management System (QHSEMS), associated processes and outcomes. This report assesses a global organization's safety culture against the QHSEMS against a selected set of best practices, industry standards and benchmarks applicable to the client business sector. Outcomes, with associated implications, have been assessed where needed to verify these requirements, including checks of QHSEMS, OHS/OSHA and the associated organizational goals and Safety Act.

PERFORMANCE	SCORE	STATUS
36 out of 50 checks	20 out of 100 points	ADVERSE
16 out of 100 points	16 out of 100 points	ADVERSE
17 out of 100 points	17 out of 100 points	ADVERSE

ITEMS THAT SHOULD BE ADDRESS IMMEDIATELY

- Development of a hazard identification, prevention, and mitigation system including a Risk Matrix
- Review Incident Reporting and Investigation Program
- Development of an Environmental Protection Plan
- Development of a Crisis and Emergency Response Plan
- Establish and monitor key performance indicators (KPIs)

ERG MANAGEMENT OPERATIONAL EXCELLENCE

ENVIRONMENTAL OPERATIONAL EXCELLENCE

ASSESS THE RISKS

WORK SAFE STAY SAFE

SAFETY CULTURE - IDENTITY MANUAL

VERSION 1.1

SayleGroup THE TRUSTED NAME

WORK SAFE STAY SAFE

SAFETY CULTURE - CODE OF CONDUCT

HSE Compliance and Commitment Manual

VERSION 1.2

SayleGroup THE TRUSTED NAME

DEFINE THE CULTURE

WORK SAFE STAY SAFE

OUR GOAL TARGET ZERO

0 LOST TIME INCIDENTS 0 SPILLS TO THE ENVIRONMENT 0 REGULATORY VIOLATIONS

WORK SAFE STAY SAFE

SAFETY LIFE SA...

- 1 Safety dict...
- 2 Protect h...
- 3 Comply y...
- 4 Identify...
- 5 In serv...

WORK SAFE STAY SAFE

SITE SAFETY START

ALL PERSONNEL MUST COMPLY HEALTH, SAFETY, SECURITY AND ENVIRONMENTAL CODE OF CONDUCT WHICH IS AVAILABLE FOR REVIEW. FAILURE TO COMPLY WITH THE CODE OF CONDUCT IS BEING PROHIBITED FROM WORKING ON THE SITE.

WORK SAFE STAY SAFE

INCIDENT NOTIFICATION FORM

50001 - INCIDENT NOTIFICATION FORM

REPORTED EQUIPMENT

MAKE IT STICK

Examples of LAGGING KPIs

Reactive KPIs :

- Fatalities
- Lost Time Incidents (LTI)
- Restricted Work Case (RWC)
- Medical Treatment Case (MTC)
- First Aid Case (FAC)
- Environmental Spill
- High Potential Near Miss
- Non-conformances



Examples of LEADING KPIs

Pro-active KPIs :

- Audits & Inspections
- Leadership Site Visits
- Behavioural Based Safety Observations & NM
- Safety Meetings (JOHSC, Management, etc.)
- Job/Task/ Field Level Risk Assessments
- Toolbox Talks
- Training & Certifications
- PTWs





Activity

**Benefits of a Strong
Safety Culture**

BENEFITS OF A POSITIVE SAFETY CULTURE





- 1** Reduction of Incidents
- 2** Fewer Injuries
- 3** Cost Savings
- 4** Lower Insurance Rates
- 5** Increased Productivity
- 6** Improved Public Relations
- 7** Improved Morale
- 8** Great Reputation

Safety Culture is an Investment !



Businesses see an **average return of \$4 to \$6 for every \$1** *invested* into their workplace safety programs.

In the U.S. nearly \$2 billion is lost each year as a result of worker injury and harm to health.

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Activity

Life-Saving Rules







Bypassing Safety Controls



Confined Space



Driving



Energy Isolation



Hot Work



Line of Fire



Safe Mechanical Lifting



Work Authorization



Working at Height

Life-Saving Rules

All LSRs

<https://www.youtube.com/playlist?list=PLt0-qTVCvEp1Dxe7j7SDbbiLrYIkUqYov>

LSR online video summary:

https://www.youtube.com/watch?v=oK_p0Bogi6A



Life-Saving Rules

Bypassing Safety Controls

Obtain authorisation before overriding or disabling safety controls



- I understand and use safety-critical equipment and procedures which apply to my task
- I obtain authorisation before:
 - disabling or overriding safety equipment
 - deviating from procedures
 - crossing a barrier

Confined Space

Obtain authorisation before entering a confined space



- I confirm energy sources are isolated
- I confirm the atmosphere has been tested and is monitored
- I check and use my breathing apparatus when required
- I confirm there is an attendant standing by
- I confirm a rescue plan is in place
- I obtain authorisation to enter

Driving

Follow safe driving rules



- I always wear a seatbelt
- I do not exceed the speed limit, and reduce my speed for road conditions
- I do not use phones or operate devices while driving
- I am fit, rested and fully alert while driving
- I follow journey management requirements

Energy Isolation

Verify isolation and zero energy before work begins



- I have identified all energy sources
- I confirm that hazardous energy sources have been isolated, locked, and tagged
- I have checked there is zero energy and tested for residual or stored energy

Hot Work

Control flammables and ignition sources



- I identify and control ignition sources
- Before starting any hot work:
 - I confirm flammable material has been removed or isolated
 - I obtain authorisation
- Before starting hot work in a hazardous area I confirm:
 - a gas test has been completed
 - gas will be monitored continually

Line of Fire

Keep yourself and others out of the line of fire



- I position myself to avoid:
 - moving objects
 - vehicles
 - pressure releases
 - dropped objects
- I establish and obey barriers and exclusion zones
- I take action to secure loose objects and report potential dropped objects

Safe Mechanical Lifting

Plan lifting operations and control the area



- I confirm that the equipment and load have been inspected and are fit for purpose
- I only operate equipment that I am qualified to use
- I establish and obey barriers and exclusion zones
- I never walk under a suspended load

Work Authorisation

Work with a valid permit when required



- I have confirmed if a permit is required
- I am authorised to perform the work
- I understand the permit
- I have confirmed that hazards are controlled and it is safe to start
- I stop and reassess if conditions change

Working at Height

Protect yourself against a fall when working at height



- I inspect my fall protection equipment before use
- I secure tools and work materials to prevent dropped objects
- I tie off 100% to approved anchor points while outside a protected area



Life-Saving Rules



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HSS WORKSHOP

FOCUS:

- ADB - HSS
- Safety Culture
- Life Saving Rules
- Hazard Identification
- Risk Management
- HSS Good Practice Guide
- Safe Work Practices
- Incident Reporting & Investigation
- Emergency Preparedness



HAZID Discussion...



Confined Space



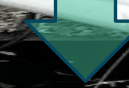
Confined Space



Confined Space



Confined Space



Controls Discussion...



- Vimeo: Show CSE
 - <https://vimeo.com/showcase/5939420>

HAZID Discussion...



Life-Saving Rules



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Controls Discussion...



HAZID Discussion...



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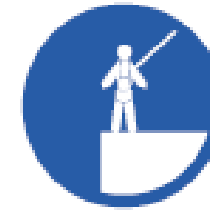
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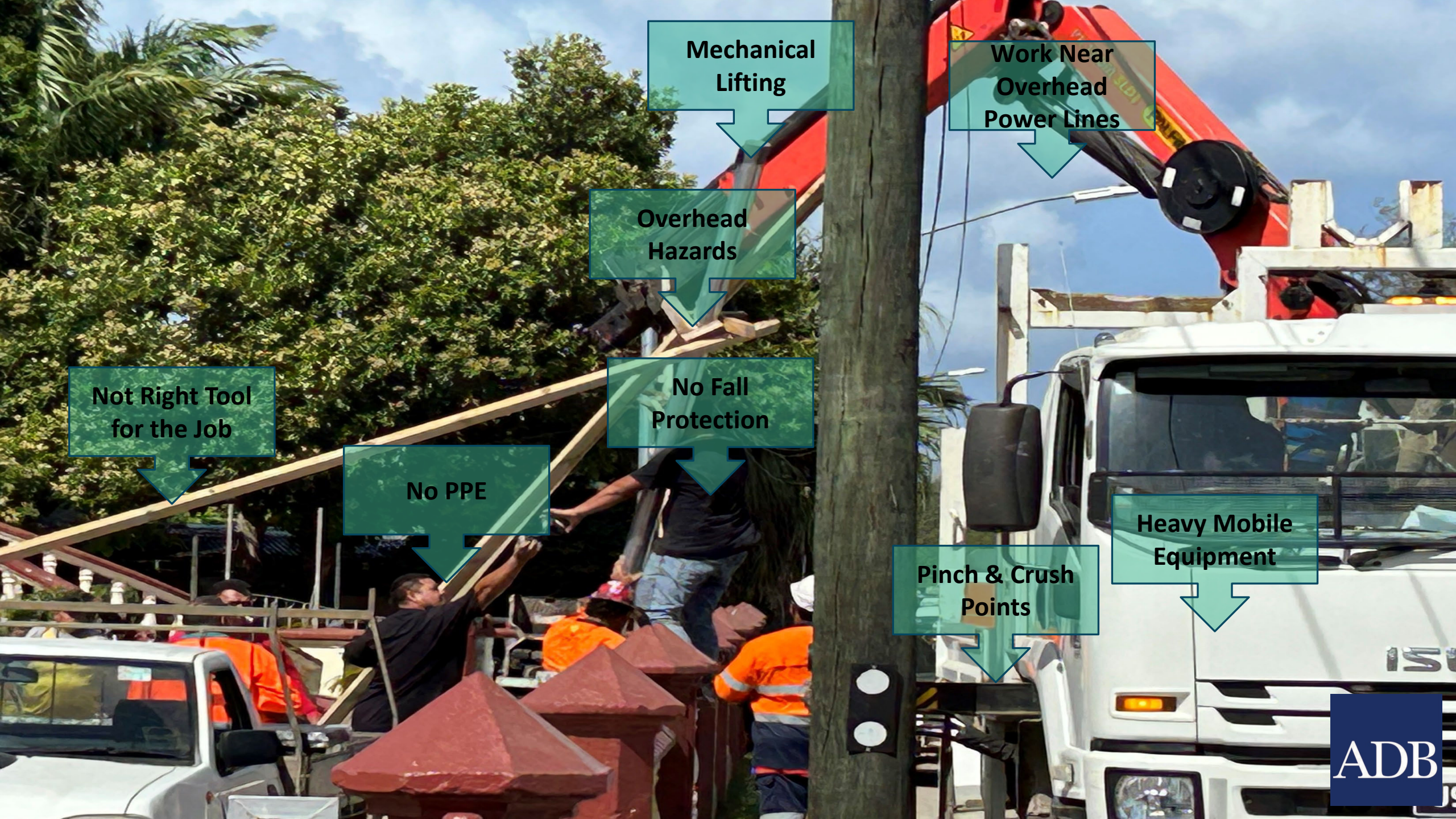
Vehicle Traffic

Blind Spots

Crush Points

Heavy Mobile Equipment

Crane Overhead Hazards



Mechanical Lifting

Work Near Overhead Power Lines

Overhead Hazards

Not Right Tool for the Job

No Fall Protection

No PPE

Pinch & Crush Points

Heavy Mobile Equipment

Typical Life-Saving Rules



Other LSR online video summaries from IOGP

Links to all LSR videos (1-2 minutes each)

- Youtube:
 - <https://www.youtube.com/playlist?list=PLt0-qTVCvEp1Dxe7j7SDbbiLrYIkUqYov>
- Vimeo: (show Energy Isolation & Work at Heights)
 - <https://vimeo.com/showcase/5939420>

Mental Health and Well-being



MENTAL
HEALTH
MATTERS

“A state of well-being in which every individual realizes their own potential, can cope with the normal stresses of life, can work productively and fruitfully, and is able to make a contribution to their community.” -WHO

Fatigue Management, Fitness for Work & Mental Health

Fatigue, drug and alcohol abuse, harassment, stress, psychosocial impacts...

Many workers will experience these types of impacts !

Worker support mechanisms should be in place...



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Summary

- *‘provide workers with a safe and healthy working environment’... ADB*
- safety culture consists of shared values and beliefs
- life-saving rules are intended to prevent incidents from common hazards

