Health, Safety & Environment (HSE) Induction

Water Transmission Line From Houmah – Al Falaj Pumping Station



Al Jazeerah Drilling Co. 2025

Please Turn Off Your Mobile Phone



Emergency Evacuation from the Office

- In the event of an emergency, kindly exit this room via the designated corridor and gather at the designated assembly points.
- Please refrain from entering the office until you receive confirmation that it is safe to do so.
- Stay Awake
- Pay attention
- Ask Questions if you don’t understand

Al Jazeerah Drilling Co. 2023

IN THE EVENT OF FIRE



Activate alarm / HORN at Fire Point or Shout FIRE…FIRE…FIRE…

Call EMERGENCY Number provided in the Emergency Contact List



Extinguish the fire with extinguisher only if you are trained to do so. If you cannot extinguish the fire within one minute get out from the scene of fire.



If you hear the fire alarm go to the nearest assembly point.



Stay at the assembly point until you get the instruction from Emergency Response Team.

Induction Topics

1. Al Jazeerah Policies
2. Company Organogram
3. Roles & Responsibilities
4. Project Information
5. Al Jazeerah PPE Policy
6. Al Jazeerah Emergency Response
7. Site Rules
8. Site Access/Egress
9. Environmental Protection
10. Emergency Evacuation
11. Fire Safety (Prevention & Protection
12. Traffic Safety Management
13. Permit to Work
14. Site Survey Works
15. Excavation Safety
16. Plant & Equipment
17. Lifting Operation
18. Hand & Power Tools
19. Manual Handling
20. Working at Height
21. Confined Space
22. Hot Works
23. Electrical Safety
24. Summer Working Requirements
25. Training and Toolbox Talks
26. Incident Reporting

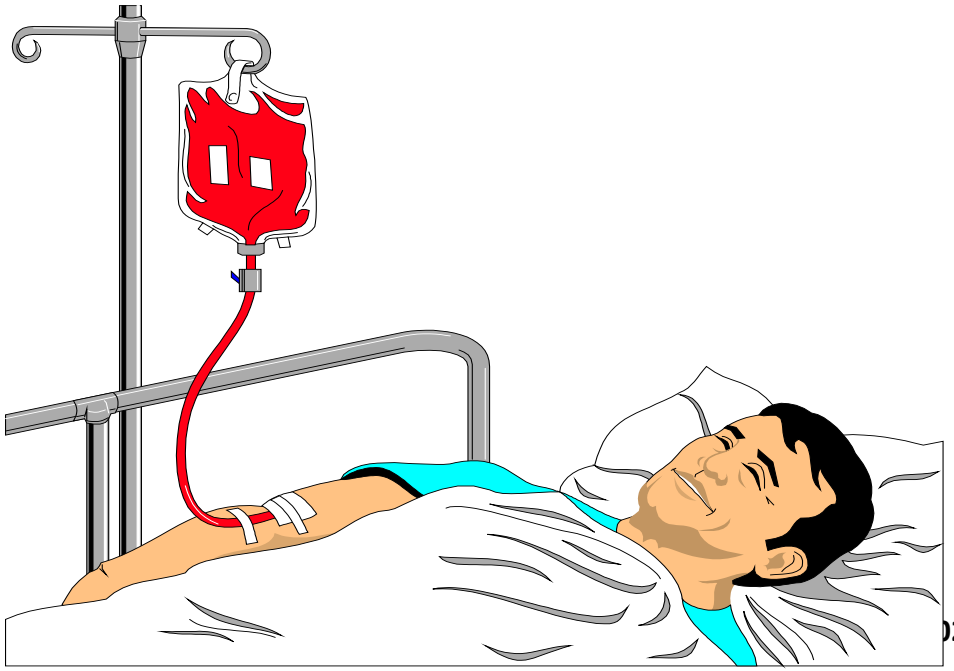
Introduction to Health & Safety

Health & Safety is not a nuisance or a hindrance, it is for your protection, no one wants to be injured and only by following the safety requirements at all times can you, and those working around you, leave the site each day in the same condition they arrived in.

Accidents and injuries cause pain, misery and suffering, not only to the injured person, but also to his immediate family. An injured man cannot earn a living to support his family, they will have to care for him until he is well enough to work again. If the accident is serious this could be never!

An injured man cannot provide food and clothing for his family, instead of being a provider he becomes a burden.

You should consider the consequences of your actions and those of others at all times, when you think the safety rules are tiresome, think of your family and friends, then it should be obvious as to why you must work safely.



SAFETY INDUCTION – Why

1. As you are new to this Project/Site, this induction is carried out :-
2. To familiarise you with the company HSE Policy/Charter.
3. To inform you of the Specific Risks on the projects.
4. To inform you of the welfare and emergency arrangements
5. To advise you of Al Jazeerah Drilling requirements for safety.

This induction complies with the UAE safety legislation

OBJECTIVES

- To ensure everyone is trained and instructed in their responsibilities.
- To provide a safe and healthy working environment.
- To ensure that all personnel have access to discuss Health, Safety and Environmental issues.
- To minimize the risks on site and control all hazards that are identified.
- And to reduce the number of accidents

REMEMBER

If it's not safe - don't do it

We all work safely in a manner that promotes the integrity, health and well-being of the individual and the environment.

Safety Violations

1st warning	Written warning, stays on the record for 1 month.
2nd warning	Suspension and loss of pay in accordance with the severity of the violation. Re-inducted by the safety department in the presence of your line manager. This stays on your record for 3 months. Further infringement within this time will result in permanent dismissal from site.
Final warning	Serious Health & Safety infringement, resulting in instant dismissal.

Al Jazeerah Drilling Co. 2023

Company Key Personal Contact Details

Sl.No	NAME	COMPANY	DESIGNATION	CONTACT NO.
1.	Mr. AHMED AL JUAIDI	AJD	PROJECT MANAGER	056-4222833
2.	Mr. MORAD	AJD	PROJECT ENGINEER	056-3284072
3.	Mr. SEBU ALAM	AJD	HSE OFFICER	054-9985887
4.	Mr. AKHIL RAJAN	AJD	SITE ENGINEER	056-6463706
5.	Mr. AHMED NIAZI	AJD	FOREMAN	056-422-2845

Emergency Service Providers/ External Organization / Agencies

S. NO.	DEPARTMENT	CONTACT NUMBER(S)
01	POLICE	999
02	Ambulance Service	998
03	Fire/Civil Defense	997
04	Water, Electricity & Gas	991/ 800 6333
05	Weather & Earth Quake	02 222 7777
06	Etisalat	8002300
07	Kuwait Hospital Sharjah	06-503-1163

Al Jazeerah Policies

HEALTH, SAFETY & ENVIRONMENT POLICY

At **Al Jazeerah Drilling LLC**, we prioritize achieving consistently high standards in health, safety, and environmental protection. Safeguarding the occupational health and safety of all individuals impacted by our work activities is fundamental to our business. We are equally committed to respecting the natural, social, and economic environments of the communities where we operate.

When designing, planning, constructing, or maintaining built infrastructure, we are committed to preventing work related injuries and ill-health and conducting our operation in an environmentally and socially responsible manner.

We will minimize health safety and environment risks and impacts by actively involving our employees, partners, and sub-contractors in developing and sustaining a positive company-wide health safety and environment culture. This will be achieved by the use of best practice health, safety, and environment management techniques, by strong leadership and demonstrable commitment by line management and employees, by setting and achievement of realistic health, safety, and environment objectives and targets that promote positive health and safety culture, the efficient use of energy and resources, the minimization and reduction of wastes and emission and prevention of pollution and by compliance with health safety and environments legislation as a minimum standard.

We are committed to the continual improvement of our health safety and environment performance and will ensure that across all our operations there is an appropriate management system in place, this system will describe the organization and designated responsibilities for health safety and environment the arrangement for planning and implementing the work necessary to prevent work- retaliated injuries, ill-health and environmental impacts(through the identification of hazards and impacts and assessments and management of associated risks to as low as reasonably practicable) and will set out the means for measuring and reviewing performance and auditing the management system.

The implementation of our health safety and environment management system is a line management responsibility supported by function specialists. It relies upon the competence, co-operative and commitment of all staff we will therefore:

- Allocate sufficient human, financial, and time resources to ensure the effectiveness and sustainability of the HSE management system.
- Develop the necessary competencies in our workforce through training, instruction, and supervision to enable safe and environmentally responsible practices.
- Establish clear communication, cooperation, and control measures supported by documented procedures and guidance.
- Actively seek employee feedback and participation in HSE matters through effective consultation mechanisms.
- Ensure compliance with relevant HSE legislation and maintain up-to-date knowledge of our obligations.

We will also confirm the presence of these arrangements to our supply chain partners.

The Managing Director has overall responsibility for this policy, including providing the necessary resources for its effective implementation and periodic review. The policy will be reviewed regularly to ensure its relevance and effectiveness.

This policy is made available to all employees and individuals working on behalf of the company. It will be prominently displayed at the head office and all project sites. Employees seeking additional information can contact the HSE Department at the head office or project site.

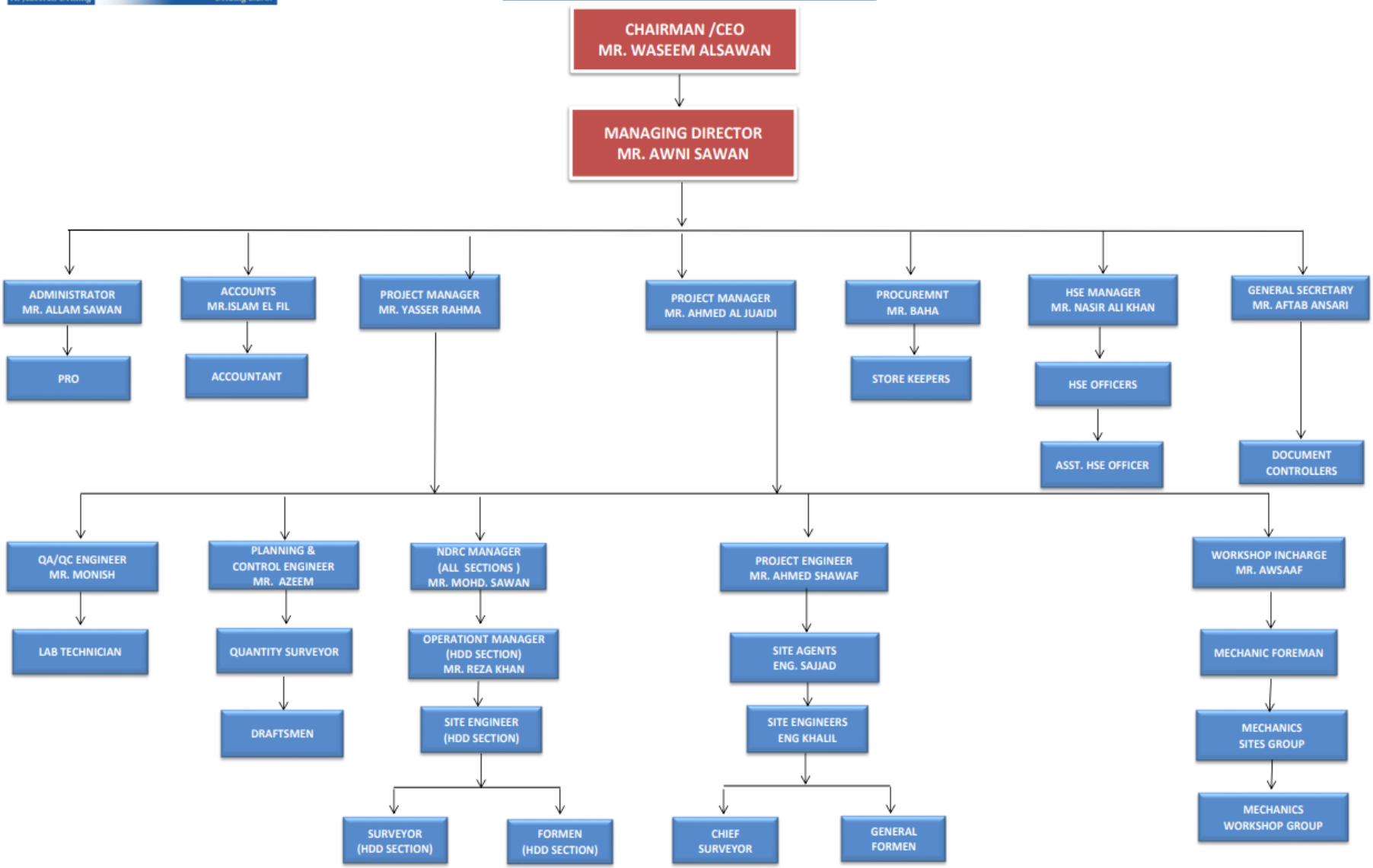
AWNI SAWAN
Managing Director



Company Organogram

الجزيرة للحفريات ذ.م.م
Al Jazeerah Drilling L.L.C.

ORGANIZATION CHART



Roles & Responsibilities

Project Manager

The Project Manager is directly responsible for establishing and maintaining HSE Program in accordance with the HSE Plan. He shall be further responsible for:

- Ensuring thorough comprehension and acceptance of the Company's policy by each employee, as well as ensuring every employee comprehends their designated safety responsibilities. Will take charge of implementing the Company's Workplace Safety, Health, and Environmental Management System.
- Will preside over Workplace HSE committee meetings and oversee the implementation of HSE actions discussed on-site.
- Attendance at the Client/Consultant Weekly HSE Meeting and site walks is required.
- Accountable for enforcing HSE regulations among all employees and contractors. Must ensure strict compliance with statutory Regulations, Codes of Practice, and the company's HSE rules and regulations at all times.
- Tasked with reviewing HSE protocols, addressing HSE concerns, and suggesting enhancements to safety measures. Regular inspections, participation in weekly management site walks with the client, and audits of safety provisions at the worksite are essential.
- Must cultivate and sustain effective communication with relevant statutory bodies.
- Foster a positive safety culture at the site.
- Responsible for the effective implementation of all Safe Work Procedures, Risk Assessments, Approved Method Statements, EIA, and AHA's.
- Authorized to approve Monthly Reports, Audits, and HSE Statistics as evaluated by the HSE Manager.
- Required to conduct investigations into incidents/Near Misses and provide guidance to line management on corrective and preventive measures to avert recurrence.
- Expected to set a role model for others.

The Project Engineer

- Having direct accountability for adhering to HSE regulations, the individual will closely collaborate with the HSE Manager/Officer to put into effect the HSE Plan and any subsequent amendments or adjustments that may arise. They will also oversee the implementation of corrective and emergency measures.
- The PEbears the responsibility of ensuring a secure and healthy work environment for their staff. They will actively foster HSE awareness and promote safe attitudes and behaviors among the workforce whenever possible.
- It is their duty to ensure that Method Statements, including Risk Assessments, are accessible at the work location.
- The PE's foremost involvement lies in preventing incidents and taking direct responsibility for the safety and environmental aspects of the tasks they oversee. They must comprehend Method Statements and Risk Assessments relevant to the activities being carried out, and communicate these effectively to the workgroup.
- They are directly accountable for furnishing and upholding a secure and healthy working environment for the personnel under their supervision. This responsibility is also shared with their subordinates, such as Engineers, Section Leaders, Foremen, and Gang Leaders. Each of these individuals holds responsibility within their defined areas, and they should be the first point of contact for HSE-related queries.
- The PE is entrusted with rectifying infractions, managing emergencies, and attending HSE meetings.

HSE Officer

The responsibility of the Site HSE Officer entails the coordination and guidance of the Site HSE Program, reporting directly to both the HSE Engineer and HSE Manager. Their duties encompass offering guidance to the site construction team on various aspects:

- Implementing methods to prevent harm to personnel and damage to equipment and machinery.
- Proposing enhancements to existing work methodologies.
- Executing the CONTRACTOR's and Client's HSE Procedures and Regulations.
- Evaluating the safety suitability of new and rented equipment, along with validating all relevant test certificates.
- Verifying the adequacy of protective clothing and gear.
- Identifying potential hazards related to new work tasks before their initiation.
- Establishing safety protocols for the site or work area and necessary fire precautions.
- Conducting analyses of injury, damage, and production loss data, regularly inspecting incident surveys and inspections to ensure adherence to safe working practices.
- Reviewing suggested corrective actions to mitigate causes of incidents.
- Overseeing the tracking of trends and conducting comprehensive safety performance reviews.
- Assisting in employee training to foster awareness regarding incident prevention and damage mitigation.
- Ensuring strict compliance with the Client's Work Permit Procedures and HSE Plan.
- Coordinating incident responses, including tasks like first aid, rescue, evacuation, investigation, and reporting.
- Conducting daily site HSE inspections and furnishing reports to the HSE Manager

Engineer

- Ensuring the implementation of safety protocols and guidelines on the construction site.
- Identifying potential hazards and risks related to construction activities.
- Collaborating with the Site HSE Officer, Manager, and other relevant personnel to enforce safety measures.
- Conducting regular safety inspections and assessments to maintain a hazard-free environment.
- Providing safety training and guidance to site workers and subcontractors.
- Monitoring the proper usage of personal protective equipment (PPE) by all workers.
- Reviewing and approving Method Statements and Risk Assessments for different tasks.
- Investigating accidents or near-miss incidents to determine causes and recommend preventive measures.
- Ensuring compliance with local safety regulations and company policies.
- Participating in toolbox talks and safety meetings to enhance safety awareness.
- Coordinating with the HSE team to implement emergency response plans effectively.
- Reporting safety performance and incidents to the management.
- Promoting a culture of safety awareness and best practices among the site team.
- Collaborating with subcontractors to ensure their adherence to safety guidelines.
- Continuously seeking opportunities to improve safety practices on the construction site."

Foreman

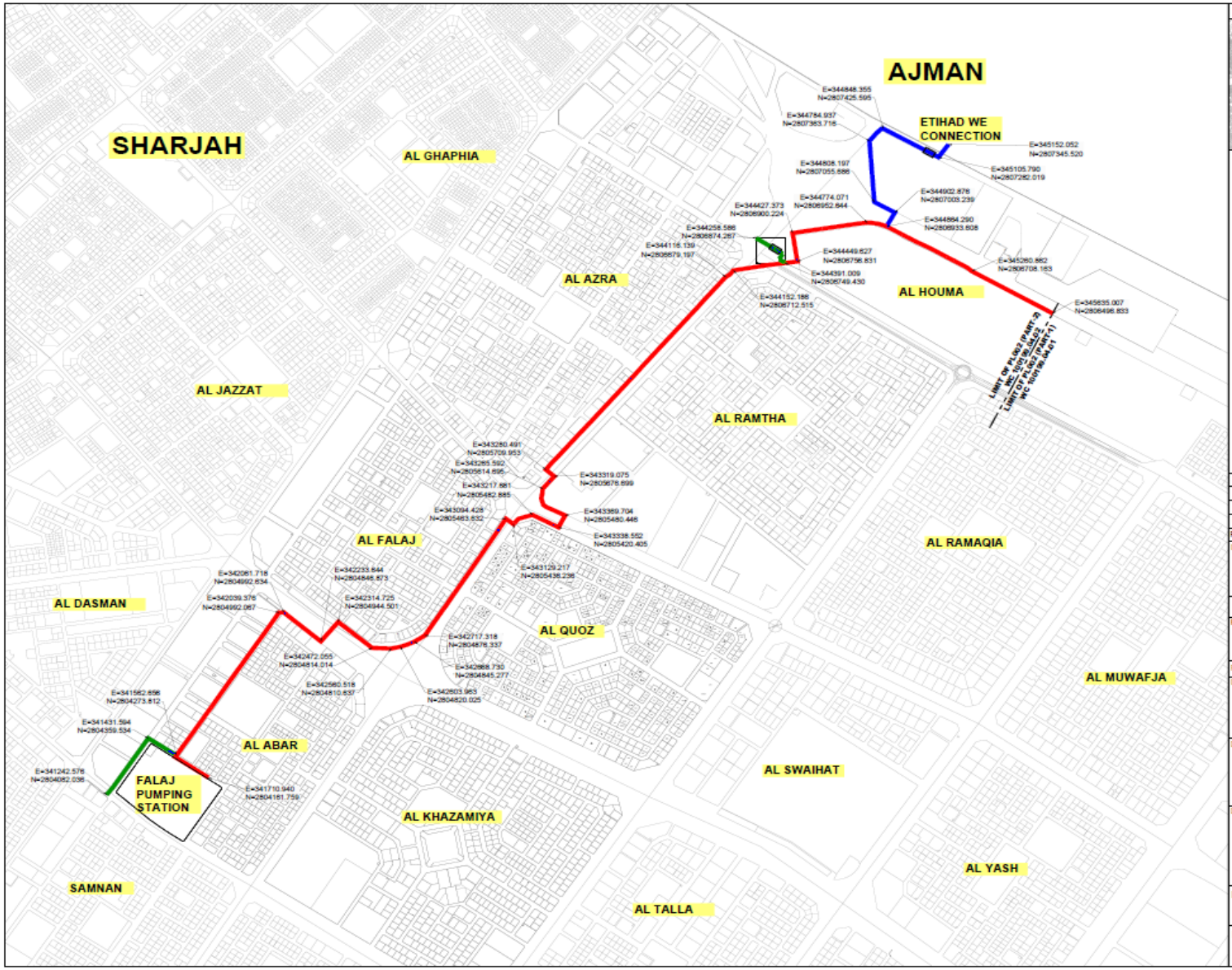
- Overseeing the implementation of safety protocols and procedures within their area of supervision.
- Ensuring that workers under their guidance follow safety regulations and guidelines.
- Conducting regular safety inspections to identify and mitigate potential hazards.
- Providing proper training to workers on safe work practices and the use of personal protective equipment (PPE).
- Monitoring the use of safety equipment and enforcing the use of appropriate PPE.
- Investigating and reporting accidents, incidents, and near-miss situations.
- Correcting unsafe behaviors and conditions promptly.
- Communicating safety policies and updates to the workforce.
- Collaborating with higher management and safety personnel to improve safety measures.
- Conducting safety meetings and toolbox talks to reinforce safety awareness.
- Reviewing and approving Method Statements and Risk Assessments for tasks.
- Participating in emergency response planning and drills.
- Enforcing compliance with company safety policies and local regulations.
- Encouraging workers to report safety concerns and actively participating in incident investigations.
- Leading by example and fostering a culture of safety among the workforce.

All Employees

Each employee shall be responsible for:

- Ensuring that their actions do not endanger themselves, others, or equipment.
- Wearing the provided personal protective equipment as required.
- Inspecting tools and equipment for defects and suitability before use.
- Promptly reporting any equipment, tool, material defects to their immediate supervisor.
- Immediately reporting all incidents to their immediate supervisor.
- Adhering to company and safety regulations, as well as local rules in their work area.
- Following all applicable HSE Procedures; if a procedure isn't relevant to their task, they should notify their immediate supervisor.
- Complying with instructions aimed at promoting workplace health and safety.
- Each worker or employee must observe relevant HSE Rules for their tasks and work areas. For tasks involving hazards or unfamiliarity, additional HSE instructions may be issued alongside a Method Statement, which will then become part of the Occupational HSE Plan.
- Promptly reporting hazards, injuries, incidents, or unsafe conditions to management.

Project Information



The Contractor's scope in general, comprises of alignment/set out survey (for pipeline), geotechnical investigations (for chamber locations and NDRCs), preparing shop drawings, getting construction NOCs, getting final grade level/height reference from municipalities, bulk earthworks including excavation in any type of soil/rock for grading, transport and disposal of surplus excavation to landfill sites designated by relevant authorities, supplying, laying of pipeline in trench including dewatering, bedding and surround to pipes, testing, washing, disinfection and commissioning of all GRE pipelines of DN1600/DN1200/DN1000 approx. nine (9) kms long from connection point of Line 2 (Part 1) (Project No: WC.100199.04.01) till the tank within existing Falaj Reservoir including connection from existing Etihad WE pipeline connection and Tap-off 1 connection to the SEWA's proposed DN600 and DN800 future pipelines connection points. The works also include valve chambers on the pipeline, at the tap off points and at the connection pipeline to existing tanks and existing pipeline as per project requirement and as required to meet the intended purpose and operational requirements of the project. RCC chambers shall be provided for Manual Butterfly Valves, Motorized Butterfly Valves, Flow Control Valves, Pressure Reducing Valves, Air Valves, Flow Meters, etc.

- Design verification, supply, installation, testing and commissioning of approximately seven (7) kms. of DN 1600 GRE PN16 pipeline from connection point of Line 2 (Part 1) (Project No: WC.100199.04.01) till the battery limit of the existing Falaj Reservoir. These also include relevant chambers and associated civil and MEICA works as described in the tender documents.
- Design verification, supply, installation, testing and commissioning of approximately one (1) kms. of DN 1200 GRE PN16 pipeline from existing Etihad WE pipeline connection point till DN1600 GRE pipeline connection point. These also include relevant chambers and associated civil and MEICA works as described in the tender documents.
- Design verification, supply, installation, testing and commissioning of approximately five hundred (500) meters of DN 1000 GRE PN16 pipeline from Tap-off-1 from the proposed DN 1600 GRE pipeline till the connection point of the proposed DN600 and DN800 future SEWA's pipelines connection point. These also include relevant chambers and associated civil and MEICA works as described in the tender documents.
- Design-build, supply, installation, testing and commissioning of three (3) Nos. pipelines within Falaj Reservoir, namely, DN1600 PN16 (connection of Line 2 Part 2), DN1000 PN16 (Connection of SEWA's future Line 7B), DN1000 PN16 (Connection of SEWA's future Line 6). Battery limit of these pipelines start from Falaj Reservoir boundary till the connection to each compartment of the three (3) existing tanks within Falaj Reservoir boundary. These also include relevant chambers and associated civil and MEICA works as included in the tender documents. This shall also include detailed investigations and modification works on the existing tanks to provide new incoming connections.

Al Jazeerah P.P.E Requirements

Mandatory PPE

- ❑HARD HAT
- ❑HIGH VISIBLE VEST
- ❑COVER ALL
- ❑SAFETY BOOT



Task specific PPE

- ❑ Safety Goggles/ Face Shield
- ❑ Dust Mask/ Cartridge mask
- ❑ Hand Gloves



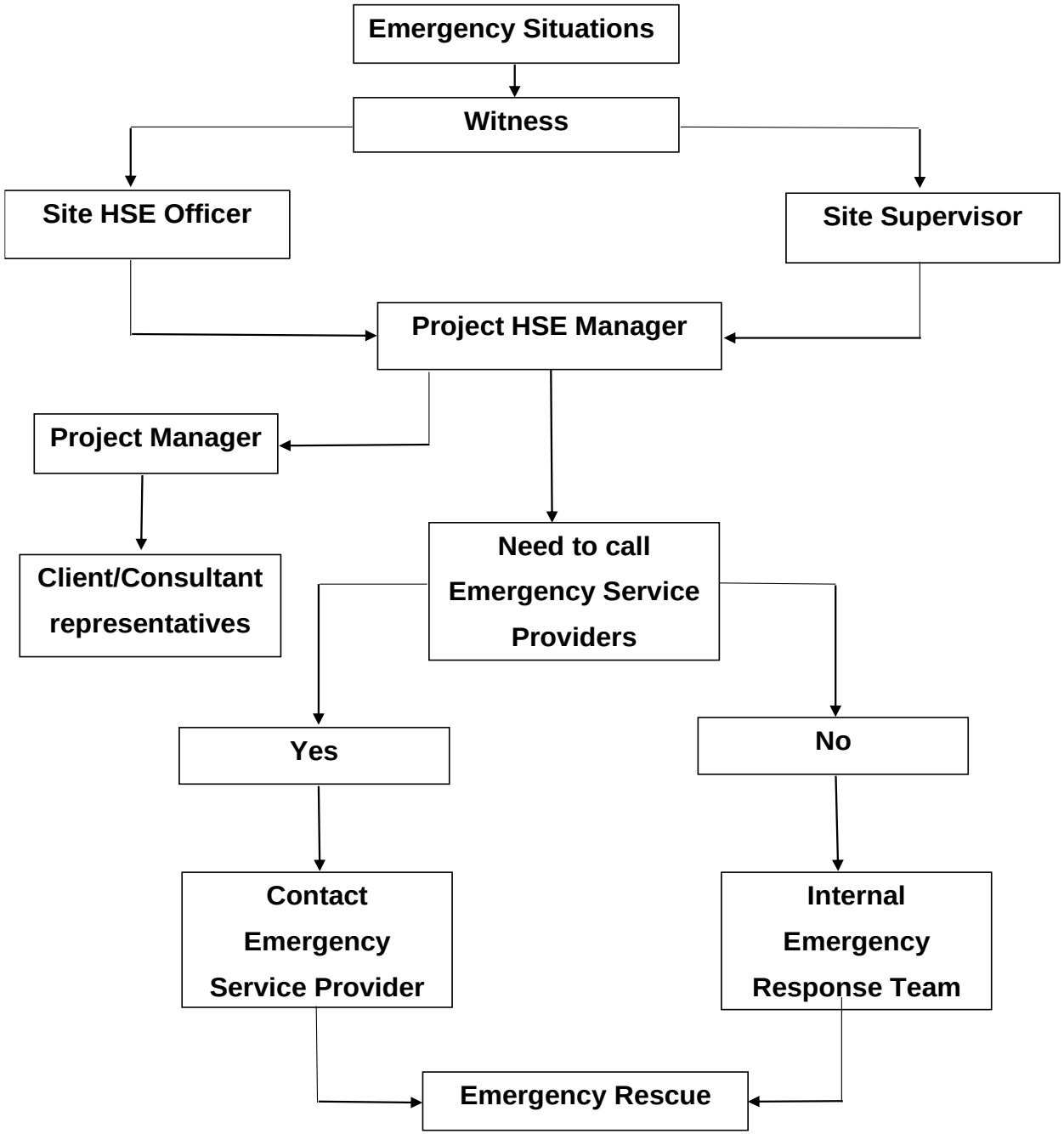
Use Additional job related PPE when required

Additional Task specific PPE

- ❑ SCBA (self contained breathing apparatus
- ❑ Full Body Harness



Al Jazeerah Emergency Response



Al Jazeerah Drilling Co. 2023

Site Rules

- Everyone must undergo the HSE Induction prior to enter the construction site
- Mandatory PPE onsite is:
  - Hard Hat
  - Safety Boots (Hard steel toe)
  - High Visible Vest
- All visitors must be accompanied while onsite
- NO SPEEDING
- No Smoking on construction site
  - only in assigned areas
- All persons will observe site signage
- Do Not enter unauthorized work areas
  - Get authorization before entering
- No Alcohol allowed onsite
- All incidents must be reported to HSE department

Al Jazeerah Drilling Co. 2023

Site Access/Egress

- In the construction site, access and roadways are always changing due to continuing progress.
- Be prepared and pre-drive your planned route the morning before to ensure there are no unexpected delays.
- Safe speed onsite is 20 KMPH
- Obey all traffic signs and signalmen.
- Follow the pedestrian access always.

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Environmental Protection

- Don’t disturb any flora, fauna
- Don’t disturb any archeological and heritage sites
- Don’t litter. Dispose the wastes only in the designated places/waste skip.
- Avoid/mitigate oil/fuel spillage. Provide drip tray below diesel drums, dewatering pump, generator



Collect & Dispose waste properly



Avoid/ minimize the Fuel/ oil Spillage

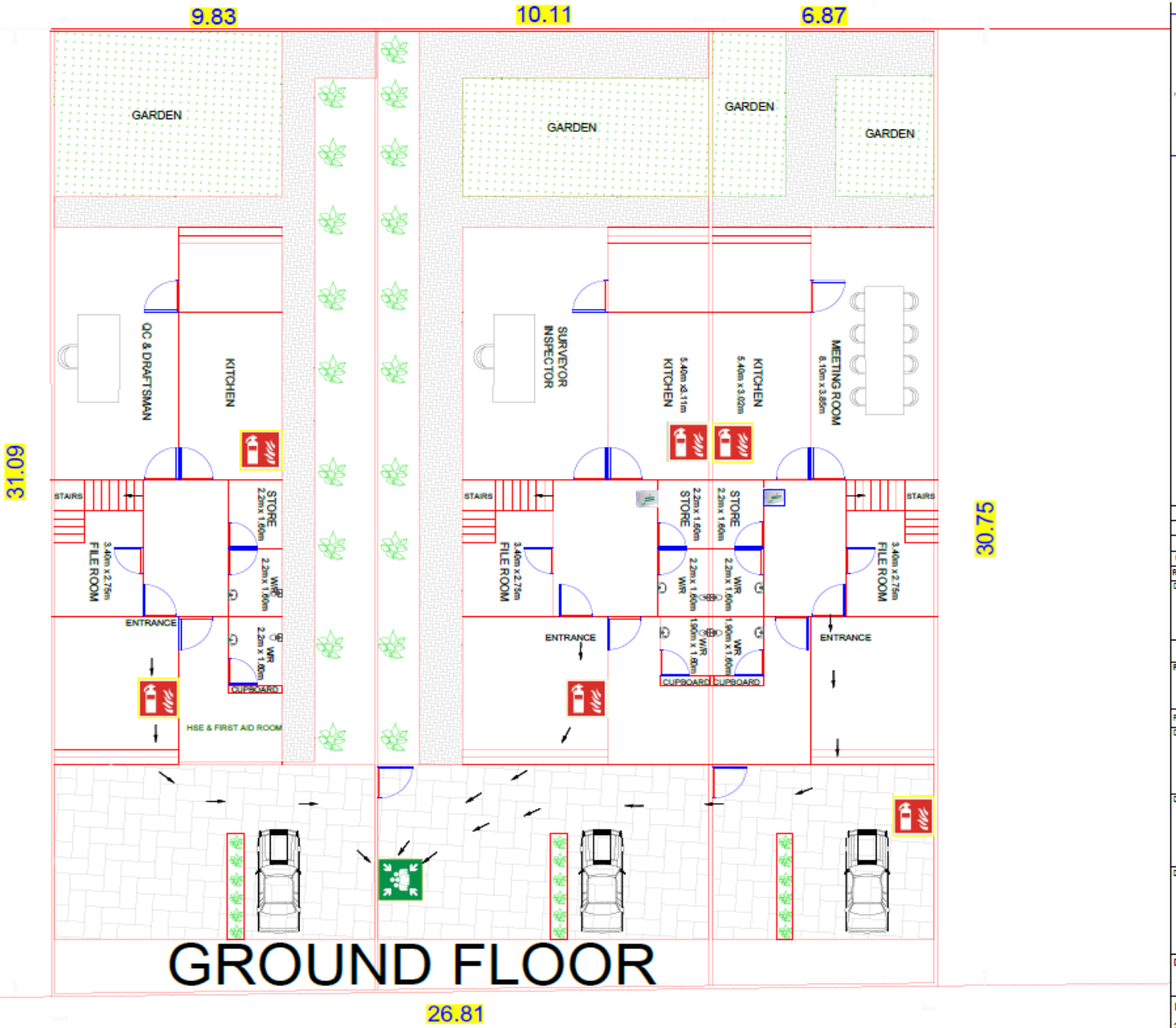

FIRE POINT
MSDS
Spill Kit
FIRE EXTINGUISHER

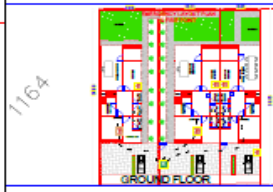





HAZARDOU
MATERIAL
HAZARDOU
MATERIAL
Not In Use

Emergency Evacuation





LEGENDS :

- FIRE POINTS
- ASSEMBLY POINT
- TO ASSEMBLY POINTS
- FIRST AID KIT

REV	DATE	DRAWN	CHECK	DESCRIPTION
00	28-04-2025	VAMSHI	AWNI	ISSUED FOR APPROVAL

CLIENT

SEWA WATER DEPARTMENT

PROJECT

WATER TRANSMISSION LINE FROM HOUMA TO FALAJ PUMPING STATION

PROJECT CODE : WC.100199.04.02

CONSULTANT

Stantec

STANTEC MIDDLE EAST LIMITED - DUBAI BRANCH,
MEMAR BUILDING, 1ST FLOOR, AL SAFA 1, SHEIKH ZAYED ROAD, P.O BOX 3020,
DUBAI, UAE PHONE : 00971 4 5062222, FAX : 00971 4 3213665

CONTRACTOR

AL JAZEERAH DRILLING
P. O. Box: 2845 Sharjah UAE

DRAWING TITLE

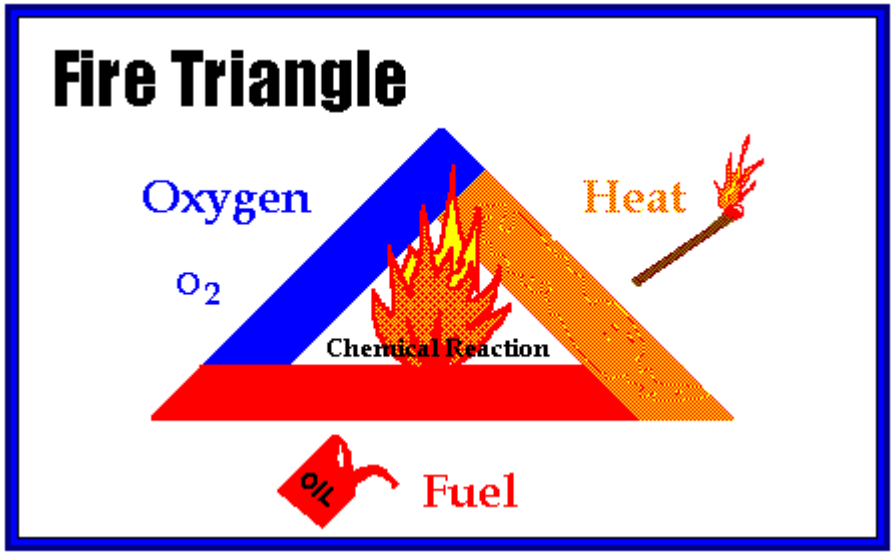
EMERGENCY LAYOUT PLAN & FIRE POINTS

DRAWN BY:-	CHECKED BY :-
VAMSHI	AHMED

DATE :-	SCALE : NTS	DRAWING NO :-
28.04.2025		JP102-SD-SF-PL-00

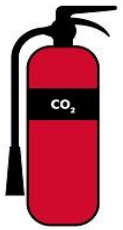
Fire Safety (Prevention & Protection)

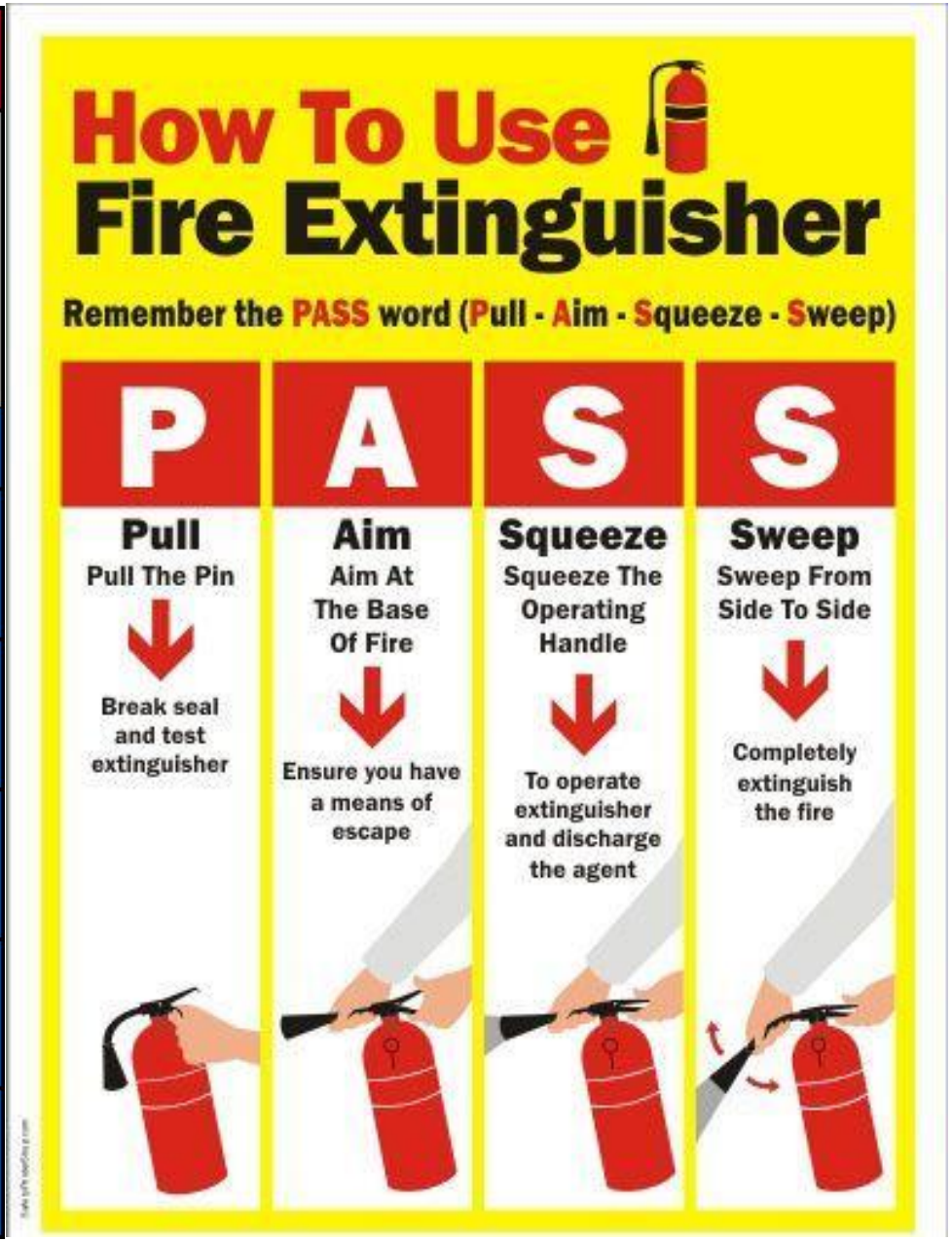
- Never allow flammable liquid spillage or leakage to go unattended inside buildings or storage rooms.
- Never smoke while handling or using flammable liquids especially near areas where flammable liquids are stored.
- No smoking" signs must be obeyed. Smoking is prohibited in a Non Smoking zone or Area.
- Try to extinguish a fire when the fire is small when & you know how to tackle it.
- Fire extinguishers are always readily available on project sites & offices. Each of you should know where they are located and few of you will be trained by the recognized training institute to fight fire.



Types of Fire Extinguishers & its Use

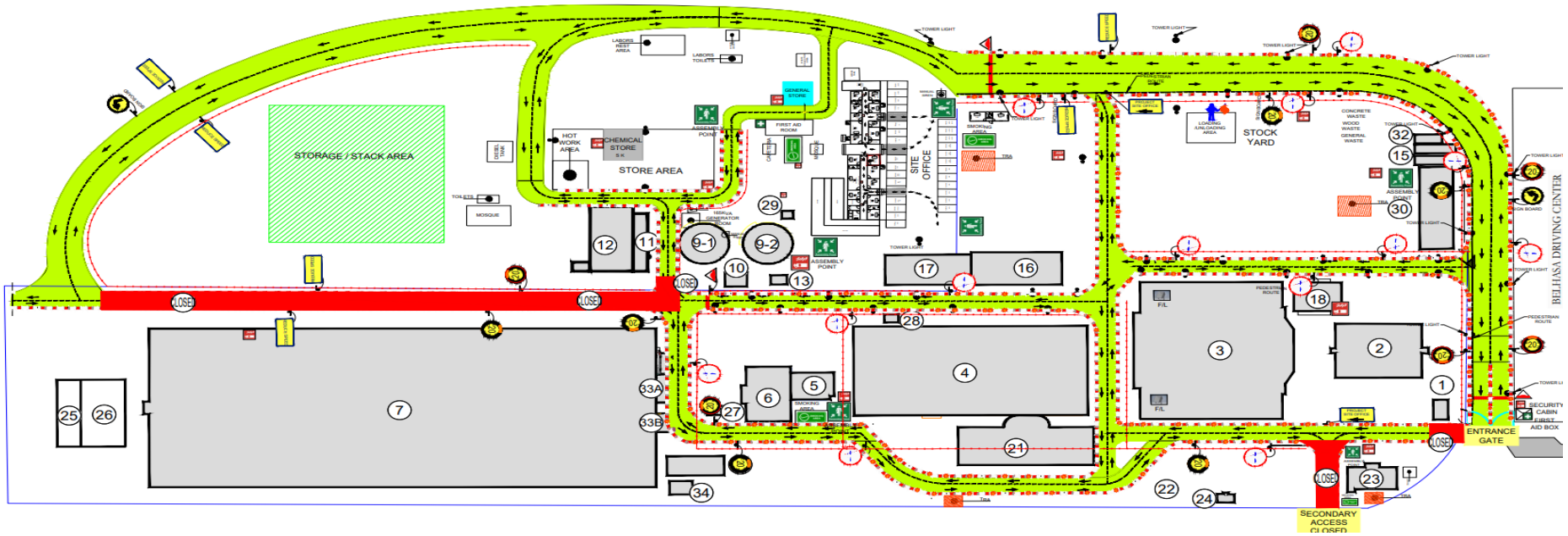
FIRE EXTINGUISHER TYPES AND USES

FIRE RISK TYPE ↓	 WATER	 FOAM	 CO_2	 POWDER
A PAPER, WOOD, TEXTILE	✓ YES	✓ NOT VERY EFFECTIVE	✓ NOT VERY EFFECTIVE	✓ NOT VERY EFFECTIVE
B FLAMMABLE LIQUIDS	✗ NO	✓ YES	✓ YES	✓ YES
C FLAMMABLE GASES	✗ NO	✗ NO	✓ YES	✓ YES
ELECTRICAL HAZARD	✗ NO	✗ NO	✓ YES	✓ YES
VEHICLE PROTECTION	✗ NO	✓ YES	✗ NO	✓ YES



Traffic Safety Management

- All drivers must have a valid UAE driving license.
- Amber rotating beacon/ light is required on all vehicles.
- Seat belts must be worn while driving onsite.
- Give way to pedestrians, site speed limit must be followed.
- Do Not use MOBILE PHONE while driving.
- Remove all visibility obstructive material from windshield and side windows.
- Regular vehicle maintenance to ensure proper functioning of brakes, tires, lights, and other essential components.
- Site Traffic layout plan/ Police approved diversion plan to be followed.





Amber beacon lamp

Driver License

Seat Belt Buckled up

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Permit to Work

A permit to work (PTW) system is an important safety procedure commonly used in worksite to ensure that potentially hazardous work is carried out safely. The key elements of a PTW document, as you've mentioned, typically include:

1. **Details of Work**
2. **Precautions**
3. **Hazard Identification**
4. **Control Measures**
5. **Coordination and Communication**
6. **Permit Types**

In our projects, the commonly used permits include:

1. **Excavation Permit**
2. **Confined Space Entry Permit**
3. **Hot Work Permit**
4. **Lifting Permit**

It's important to note that a PTW system is a formalized process to manage risks, and its effectiveness depends on strict adherence to the procedures outlined in the permits. Workers should be trained to follow PTWs diligently, and supervisors must ensure that the necessary safety precautions are taken before work begins. Additionally, regular audits and reviews of the PTW system can help identify areas for improvement and enhance overall safety in the workplace.

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EXCAVATION PTW

Al Jazeerah Drilling	EXCAVATION PERMIT	Permit No. HSEF - 037

Permit Receiver: Name : Signature :

Requested Duration From: ...../...../..... **To:** ...../...../..... Start time ..... End time .....

Permit Requestor: Name : Signature :

Start Date: ...../...../..... **Completion Date:** ...../...../..... Start time..... End time .....

Permit Authorizer: Name : Signature :

Duration of Permit From: ...../...../..... **To:** ...../...../..... Start time ..... End time .....

Location and Description of Excavation

Location: .....

Description: .....

Drawing Ref No: .....

Hazard – Review and Identify potential hazards (tick appropriate box √ ☒

Collapse of Excavation	☐	Manual Handling	☐
Access / Egress	☐	Plant & Equipment	☐
Buried Services	☐	Falls on level	☐
Drainage required	☐	Fire	☐
Flooding of excavation	☐	Caught by / Struck by	☐
Surcharging	☐	Overhead Power Lines	☐
Noise	☐	Lighting	☐
Edge Protection	☐	Excavated material	☐

Others (Specify) .....

.....

Precautions

.....

.....

.....

PERMIT CLOSE OUT

Excavation Works have been completed and the excavated area has been left in a safe manner.

Permit Receiver **Signature:** ..... **Date:** ...../...../..... **Time:** .....

Permit Requestor **Signature:** ..... **Date:** ...../...../..... **Time:** .....

NOTE: This PTW is valid for ONE SHIFT ONLY. If the affected operation is incomplete, this permit shall be revalidated to ensure precautions remain in operation. This PTW must be closed and a new one raised in every shift or next day of Excavation .... The acquiring of this permit and adherence to the prescribed precautions are the responsibility of the Permit Requestor and or Permit Receiver

Health, Safety & Environment Plan ►

Al Jazeerah Drilling	EXCAVATION PERMIT	Permit No. HSEF - 037

DAILY EXCAVATION INSPECTION CHECKLIST

Project: Contract:	Location:
Designation:	Date: .....Time Start .....End .....

Protective system:

Sloping ☐ Benching ☐ Shoring ☐ Not Applicable

(Y) Yes (N) No (N/A) Not Applicable

SN	Required Precaution Checklist	Yes	No	N/A
1	Is PTW obtaining for the excavation?			
2	Is PTW issued in correct manner?			
3	Is protective system done?			
4	Excavation face free of cracks/collapse.			
5	A safe means of enter or exit (Every 25 meters).			
6	Adjacent structures stabilized.			
7	Is equipment operating in the excavation?			
8	Does mobile equipment and operator have a warning system?			
9	Does mobile equipment and operator have valid 3rd party certificate?			
10	Is there exposure to vehicle traffic/mobile equipment?			
11	Is daily inspection checklist maintained for equipment by operator?			
12	Is the spoil 1 meter or more from the edges of excavation?			
13	Excavation properly barricaded and sign board placed.			
14	Is there water in the excavation (use of dewatering)			
15	Is there any potential for hazardous atmosphere?			
16	Has atmospheric monitoring been done?			
17	Are walkways provided over the excavation for the pedestrian crossing?			
18	Are employee protected from loose materials or tools which could fall.			
19	Are wearing the required PPE's as per task.			
20	Any Underground services present & protected?			
21	First Aider Available.			

REMARKS.....

.....

.....

.....

In Charge Signature: .....

Name: .....

NOTE: This PTW is valid for ONE SHIFT ONLY. If the affected operation is incomplete, this permit shall be revalidated to ensure precautions remain in operation. This PTW must be closed and a new one raised in every shift or next day of Excavation .... The acquiring of this permit and adherence to the prescribed precautions are the responsibility of the Permit Requestor and or Permit Receiver

Health, Safety & Environment Plan ►

CONFINED SPACE ENTRY PERMIT

Al Jazeerah Drilling	Confined Space Permit	Permit No.

Permit Receiver: Name : Signature :

Date...../...../..... Requested Time From : .....hrs To : .....hrs

Permit Requestor: Name : Signature :

Date...../...../..... Time: ..... hrs Valid for a period of ..... hours

Permit Authorizer: Name : Signature :

Date...../...../..... Duration of Permit From : .....hrs To : .....hrs

Location and Description of Work

Location: .....

Description :

.....

Equipment to be used

.....

Associated Permits & Safety Requirements

Hot Work ☐ Excavation ☐ Cold work ☐ Gas Test ☐

Precautions and Protective Equipment (tick appropriate box √ ☒)

Entry log attached	☐	Ventilation Fan/Blowers	☐
Constant gas log attached	☐	Water trigger level	☐
Emergency Rescue Equipment	☐	Self Contained Breathing Apparatus (SCBA) Required	☐
Emergency Communication	☐	Life line / Harness	☐
Trained Standby Man (Fire Team)	☐	Lighting 110 V with ELCB	☐
Safe means of Entry / Exit	☐	Lighting 24 V with GFCI	☐
Personnel trained in confined space	☐	Others (Specify).....	

.....

Gas Testing (Prior to entering & throughout the shift)

Test Required	Result	Name	Signature	Date / Time
Oxygen (Min. %19 Max %23)				
Carbon Monoxide (CO) %0				
LEL Flammable Gases %0				
Other (Specify)				

PERMIT CLOSE OUT

All Confined Space Work has been completed, the men & equipment withdrawn from the area identified above and the area left in safe manner.

Permit Receiver Signature: ..... Date: ...../...../..... Time: .....

Permit Requestor Signature: ..... Date: ...../...../..... Time: .....

Confined Space Entrants Log Sheet

Project:

Project Number: Location: Date:

Sr. No.	Name	ID No.	Company	Time In	Time out	Signature
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Al Jazeerah Drilling Co. 2023

HOT WORK PERMIT

	HOT WORK PERMIT	Permit No.

Permit Receiver: Name : Signature :

Date: ...../...../..... Requested Duration From : ..... hrs To : ..... hrs

Permit Requestor: Name : Signature :

Date: ...../...../..... Time: ..... hrs Valid for a period of ..... hours

Permit Authorizer: Name : Signature :

Date: ...../...../..... Duration of Permit From : ..... hrs To : ..... hrs

Location and Description of Hot Work

Location: .....

Description: .....

Equipment to be Used: .....

Name & ID of Workers: .....

.....

Precautions (tick appropriate box ☒)

Location examined	☐	Oxygen/Acetylene hoses fitted with flashback arrestor	☐
Operatives been told what to do in the event of fire	☐	Welding machine and cylinders to be turned off when the work left for any reason	☐
Combustible materials removed and protected against sparks including below area	☐	Removal of flammable materials from hot work area	☐
		Equipment protected from Hot metal and sparks	☐
Fire Extinguisher	☐	Ventilation fan if required	☐

Others .....

.....

Gas Testing (If Required)

Test Required	Result	Name	Signature	Date / Time
Oxygen (Min. %19 Max %23)				
Carbon Monoxide (CO) %0				
LEL Flammable Gases %0				
Other (Specify)				

PERMIT CLOSE OUT

All Hot Work has been completed, the men & equipment withdrawn from the area identified above and the area left in safe manner.

Permit Receiver Signature: ..... Date: ...../...../..... Time: .....

Permit Requestor Signature: ..... Date: ...../...../..... Time: .....

	HOT WORK PERMIT	Permit No.

Daily Welding / Gas Cylinder inspection Checklist

Project: Location:

[Y] Yes [N] No [N/A] Not Applicable

	Y	N	N/A
Competency			
Are welders certified?			
Gas Cylinder			
Area the cylinders secured in a carrier & kept in the upright position?			
Is cylinder key available?			
PPE's? (Apron, Fire retardant coverall, welding shoes, Welding glasses, welding gloves)			
Gas Cylinder cage lifting point certified?			
Regulators			
Correct type regulator fitted?			
Is the oxygen regulator free from grease and oil?			
Flash back arrestors fitted?			
Cylinder gauge provided & functional?			
Hoses			
Are hoses in good order?			
Are clips factory fitted (not jubilee clips etc.)			
Note: Spliced hoses must be checked			
Cutting torch/welding torch			
Is the torch suitable and in good condition with no leaks from valves, Shank, mixer or connections?			
Welding Machine			
Welding machine earthing rod provided?			
Welding machine gauge working?			
Any defects / leaks from the welding machine?			
Welding cable free from damage?			

Remarks.....

.....

.....

Name: ..... **Signature:** ..... **Date:** .....

Designation: ..... **Time:** .....

Al Jazeerah Drilling Co. 2023

LIFTING PERMIT

Contract No.

Lifting Permit

SECTION 1 - DESCRIPTION

PERMIT NUMBER:	**METHOD STATEMENT NO:**
LOCATION:	**SUPPLIMENTARY PERMIT:**
WORK ACTIVITY:	

EQUIPMENT SELECTION:

☐ Mobile crane routine lift ☐ Tower crane routine lift ☐ Crawler Crane Routine Lift ☐ Man basket / Man lift
☐ Chain-block lifting ☐ Non routine lift ☐ Other lifting:

DATE:	**TIME START:**	**TIME ENDS:**

SECTION 2 - PRECAUTIONS

No.	Description	Yes	No	N/A
1.	Ground compaction survey required?			
2.	Ensure the Lifting plan is in place – (a detailed lifting plan required for each specific lifting task.)			
3.	Ensure the outriggers not to be next to an excavation or any underground services under (min. 2m)?			
4.	Ensure the Lifting Equipment is having valid certificate issued by third party, and it has been inspected by Plant/HSE.			
5.	Ensure all the lifting gears are checked, having valid Third party certificates and having current color code.			
6.	Ensure the crane operator and riggers are having valid certificate issued by third party.			
7.	Adequate Supervision: Lifting Supervisor for routine Lift, Lifting Appointed Person for non-routine lift.			
8.	Daily visual Lifting Equipment inspection to be done prior to start the work by operator& sling and lifting gears by the riggers.			
9.	Are any lifting points on the load identified and correct? All lifting points have safe access & egress to sling the load?			
10.	Signs posted and work area barricaded from unauthorized entry?			
11.	Ensure no personnel are present/passing by under suspended load: (a) workers to be cleared from the area when moving the load (b) Rigger must keep the whistle to alert the other workers.			
12.	Tagline to be provided both end of the load.			
13.	Do not carry out any lifting operation in adverse weather condition (Heavy wind, poor visibility etc.).			
14.	No materials and or equipment to be left unattended elevated, overnight and break times.			
15.	Permit Receiver to ensure pre-inspection by HSE officer prior to start the activity.			
16.	The communication in between the team (Crane operator and Riggers) is available in order (radio communication)?			
17.	Pick up and drop path identified?			
18.	Additional Precautions shall be fulfilled. (stated on 2nd page)			

SECTION 3 - ISSUE OF PERMIT- AUTHORISATION / RECEIPT

Permit Applicant/ Receiver (FM/Sup.)(name)	I hereby declare that I accept full responsibility for carrying out work detailed in this permit including all precautions required.	Signature
Authorized Person(Eng./Supt.) (name)	I hereby declare that I consider the permit receiver competent to carry out the work and I confirm that it is safe to commence work.	Signature
Inspection by HSE (name)	During daily routine, I checked and found work condition safe	Signature

SECTION 4- ATTACHEMENTS

Method Statement & Risk Assessment☐ Equipment inspection sheets☐ Location / Sketch☐
JSA / PTB + Sign off☐ Competency certificates☐ Lift Schedule☐

SECTION 5- LIFTING OPERATION TEAM

LIFTING SUPERVISOR:	**ID NUMBER:**	**SIGNATURE:**
CRANE OPERATOR:	**ID NUMBER:**	**SIGNATURE:**
RIGGER 1:	**ID NUMBER:**	**SIGNATURE:**
RIGGER 2:	**ID NUMBER:**	**SIGNATURE:**

A Complex Lift is considered when 1 of the following items are encountered: a)the load to be lifted is above 10T b)cranes using load enhancement attachments (super lift etc.), c) any equipment, installation or offices have to be lifted over, d) transfer of load is necessary by using different types of lifting equipment's during all the lifting process (ex. Tandem lift), e)the load is of a complex shape where the COG is difficult to ascertain, f)the crane capacity calculated percentage is over 85% of the SWL, g) lifting in congested spaces, h) crossing an opening with the load (wall, pavement, cladding ...), i) the sound level is very high implicating difficulties of communication, j) the visibility of the load by the crane operator is not

Contract No.

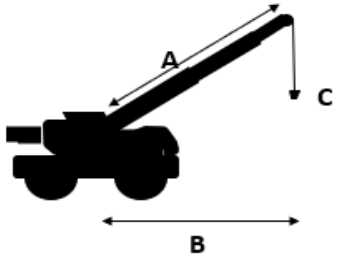
Lifting Plan

LIFTING CALCULATIONS

ADDITIONAL PRECAUTIONS

'Reference' **PTW No.:** _____

CONDITIONS TO BE CHECKED	YES	NO
1. Outriggers fully extended and pads in good condition and suitable for the task?		
2. Signs posted and work area barricaded from unauthorized entry? (MANDATORY)		
3. Load to be lifted properly calculated?		
4. Equipment Daily checklist completed and safe to commence the work?		
5. Rigging equipment inspected and correctly color coded?		
6. Are the lifting accessories on the load suitable for the task?		
7. Is the lift area around the crane controlled?		



CALCULATIONS
Pick Up Point

Crane Capacity: _____

A = _____ m (Boom Length)

B = _____ m (Load Radius)

C = _____ Ton (Hook + Sling Weight)

D = _____ Ton (Load Weight)

Total Weight = C+D_____

MAXIMUM WEIGHT CAPACITY_____T

_____ X 100 =%
CURRENT % MOMENT CAPACITY

CALCULATIONS
Drop Off Point

Crane Capacity: _____

A = _____ m (Boom Length)

B = _____ m (Load Radius)

C = _____ Ton (Hook + Sling Weight)

D = _____ Ton (Load Weight)

Total Weight = C+D_____

SECTION 7- CLOSING OF PERMIT BY PERMIT RECEIVER

I declare the work under my control closed and all guards in place and the area has been checked as safe.

Date:	Signature:

SECTION 8 - THIS PERMIT IS NOW CANCELLED

Date:	Signature:

A Complex Lift is considered when 1 of the following items are encountered: a)the load to be lifted is above 10T b)cranes using load enhancement attachments (super lift etc.), c) any equipment, installation or offices have to be lifted over, d) transfer of load is necessary by using different types of lifting equipment's during all the lifting process (ex. Tandem lift), e)the load is of a complex shape where the COG is difficult to ascertain, f)the crane capacity calculated percentage is over 85% of the SWL, g) lifting in congested spaces, h) crossing an opening with the load (wall, pavement, cladding ...), i) the sound level is very high implicating difficulties of communication, j) the visibility of the load by the crane operator is not

Site Survey Works

Surveying activities involve measuring land, structures, and features to gather data for construction, engineering, or other projects. As surveyors often work in dynamic environments, ensuring safety is paramount. Below is a general safe procedure for conducting various surveying activities.

- **Risk Assessment**: Perform a thorough risk assessment specific to the survey site. Identify potential hazards like traffic, steep terrain, electrical lines, water bodies, and wildlife.
- **Permits and Access**: Ensure you have the necessary permits and access permissions to work on the site.
- **Equipment Inspection**: Inspect all surveying equipment (GPS, total station, levels, measuring tapes, drones, etc.) to ensure they are in good condition. Faulty equipment can lead to inaccurate data and unsafe working conditions.
- **Team Training**: Ensure all personnel involved in the survey are trained and competent in the equipment they will be using and the tasks they will be performing.
- **Site-Specific PPE**: Ensure all personnel are equipped with proper PPE, including but not limited to:
  - Hard hats
  - High-visibility vests or clothing
  - Safety boots
  - Eye and hearing protection (as required)
  - Gloves (if handling rough equipment)
  - Respirators or masks (if working in dusty or polluted areas)

Site Survey Works

- **Site Induction and Toolbox Talk**: Before beginning work, conduct a safety briefing (toolbox talk). Review hazards, emergency procedures, and the planned activities.
- **Emergency Procedures**: Familiarize the team with the location of first aid stations, emergency exits, and meeting points in case of an evacuation.
- **Clear Site Demarcation**: Clearly mark out areas where surveying will take place. Use warning signs, cones, and barriers where necessary, especially near vehicular traffic, hazardous zones, or high-traffic areas.
- **Slips, Trips, and Falls**: Be cautious when working on uneven or sloped ground. Surveyors should:
  - Wear appropriate footwear with good grip.
  - Walk carefully when navigating rough terrain.
  - Be mindful of trip hazards like cables, stones, and roots.
- **Traffic Safety**: When working near roads or highways:
  - Use high-visibility clothing.
  - Set up traffic cones and warning signs.
  - If necessary, have a trained traffic marshal control traffic during the survey.
- **Manual Handling**: Surveyors often carry heavy equipment. Use proper lifting techniques and avoid carrying loads that are too heavy. Where possible, use trolleys or mechanical aids to move equipment.
- **Coordination with Other Trades**: Coordinate with the site supervisor and other workers to avoid clashes with other site activities (e.g., heavy machinery operation, demolition).
- **Restricted Areas**: Avoid entering restricted or dangerous areas such as excavation zones or areas with overhead cranes without proper authorization.
- **Overhead Hazards**: Be aware of overhead power lines, cranes, and falling objects. If surveying near such hazards, ensure that all necessary safety protocols are followed (e.g., working at a safe distance from overhead power lines).
- **Weather and Environmental Factors**: Avoid flying in extreme weather conditions like high winds or rain. Ensure the drone is not flown too close to people or hazardous areas.
- **Ladders and Scaffolding**: If the survey requires climbing structures, ensure the use of stable and properly secured ladders or scaffolding. Only trained personnel should work at height.
- **Fall Protection**: Where necessary, use fall arrest systems such as harnesses, guardrails, or safety nets.
- **Avoiding Lone Work**: Surveyors working at height should not work alone. Always have a spotter or another person present.
- **Confined Spaces**: If surveying inside confined spaces like drainage systems, ensure proper ventilation, continuous air quality monitoring, and follow confined space entry protocols.

Excavation Safety

Excavation safety is crucial to protect workers and prevent accidents when digging or working in excavations, such as trenches, pits, or other types of excavated areas. Failure to follow proper safety measures in excavation work can lead to serious injuries or fatalities. Here are some key guidelines and considerations for excavation safety:

1.Obtain Necessary Permits
2.Utility Location
3.Design and Planning
4.Permit to Work
5.Protective Systems: Implement appropriate protective systems to prevent cave-ins. Common protective systems include:

1. **Trench Boxes**: Install trench boxes or shields to support the sides of the excavation and prevent collapses.
2. **Sloping and Benching**: Properly slope or bench the excavation walls based on the soil type and conditions to reduce the risk of collapse.
3. **Shoring**: Use shoring systems like hydraulic or timber shoring to support the excavation walls.
4. **Trench Safety Equipment**: Provide safety equipment such as ladders, ramps, and stepladder for safe entry and exit from the excavation.

6.Access and Egress
7.Personnel Protective Equipment (PPE)
8.Training and Supervision
9. Excavated Soil
10.Monitoring
11.Emergency Response

Encourage a culture of safety, where everyone is vigilant about identifying and addressing potential hazards. Regular training, communication, and adherence to safety protocols are essential for preventing accidents and ensuring a safe excavation work environment.

TYPES OF SHORING SYSTEM





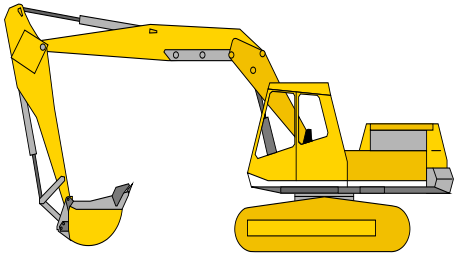




Plant & Equipment

- Never operate the mobile equipment unless you have a valid driving license and a certificate of competency.
- All operators must wear the site mandatory PPE.
- Daily operator checklist must be filled prior starting the equipments
- Operators must inform the supervisor/Workshop dept. for any issues arising in there equipment
- Never allow passengers to ride on a machine.
- Never approach a machine without first notifying the operator of your intentions.
- Never stand around or sit under the mobile plant and equipment.
- All plant and equipment must fitted with reversing alarm.
- Use a banks-man to guide reversing trucks in tight or controlled areas.







When walking or driving give way to all plant and mobile equipment to ensure your safety

The driver might not see you,

Larger equipment has an increased stopping distance

Ensure equipment driver or banks man see you before maneuvering around or passing plant equipment

Never walk around the back of plant and mobile equipment

Keep a safe distance

Do Not take rest near or under parked Equipment/ vehicle

Try to maintain eye contact with operator to ensure he sees you





Lifting Operation

- Only authorised operators, banksman & lifting supervisor are allowed in the lifting operations.
- Only experience and competent operator (Hold valid UAE license And competency certificate from the third party)/rigger should carry out the lifting operations.
- Operators must follow the instructions from designated rigger.
- Crane must not be operated in winds of greater than 38 km/hr.
- All lifting equipment and lifting gears must be certified by the third party and color coded.
- Lifting Permit to work to be obtained for all the lifting activity.
- Check the wire rope for kinks, sign of wear and broken wires.
- Lifting PTW must be in place & signed by the lifting supervisor before start of the lifting operation.
- Crane must never be overloaded and operator must react immediately to the warnings of the safe load indicator by either lowering the load or by reducing the radius of operation.
- Loads must never be left suspended from the crane hook when the crane is unattended.
- A visual inspection of the entire machine and any tracks etc should be made before the carne is put to work.
- Apart from statutory requirements of inspection, testing and through examination, a regular system of maintenance inspection and repair should be instituted in accordance with the manufacturer's instruction.
- Comply with Project Approved Lifting Plan.
- Selection of crane, Assessment of load and preparation of lifting plan must be carried.

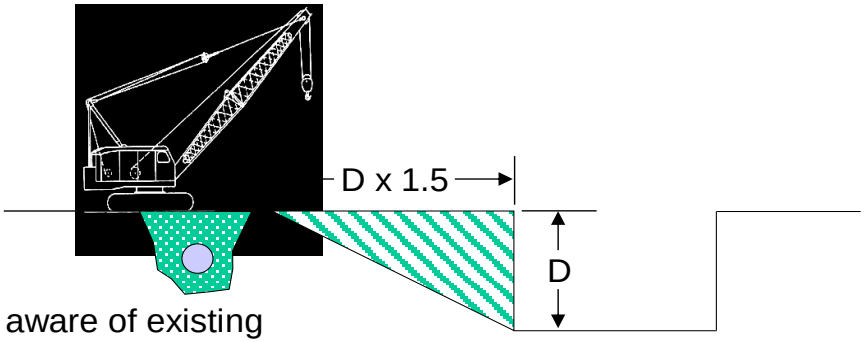
- Daily operator checklist must be filled prior starting the lifting operation.
- Visual check of all the lifting accessories must be check before each lift by the rigger.
- Exclusion zone must be provided around the crane swing radius
- No personal is allowed under the suspended load. Use tagline attach in the load
- Appropriate size outrigger pad must be provided.
- Outrigger must be fully extended
- Site mandatory PPE must be worn by the operator & the rigger





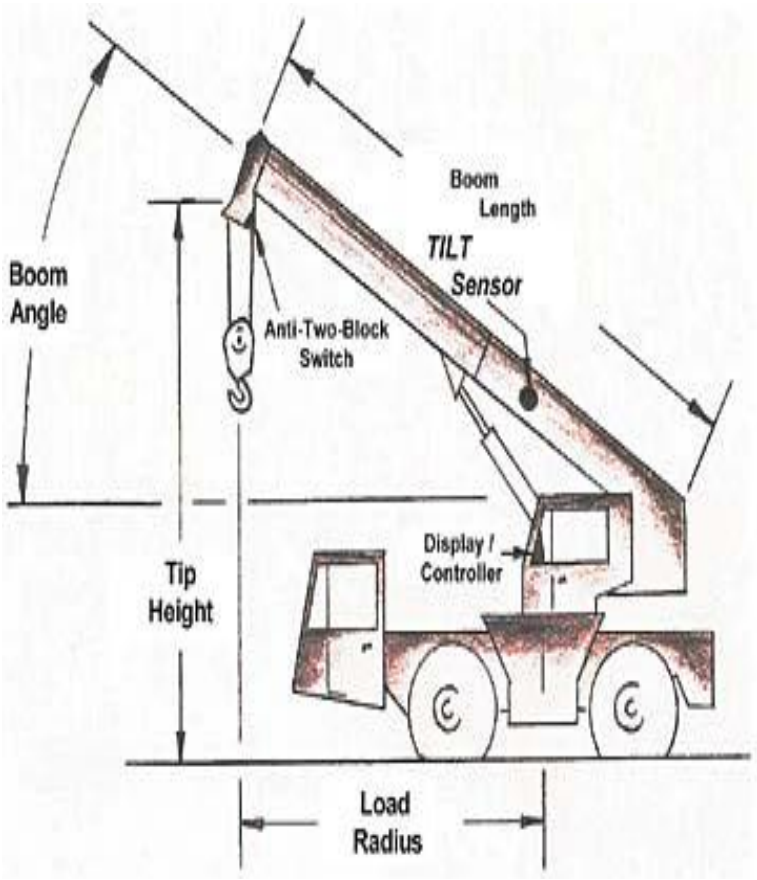
Working Near Excavations

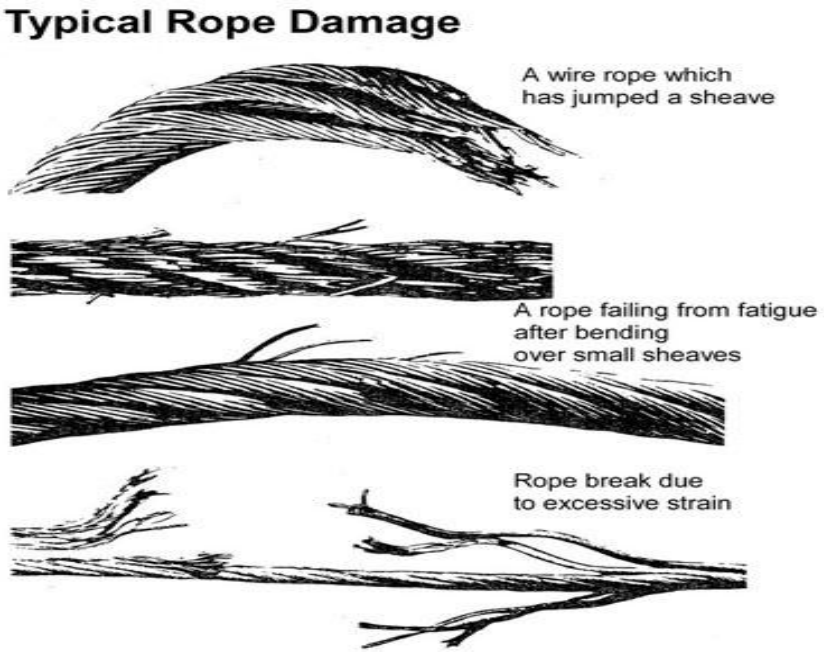
Recommended Safe Work Practice: *Affected Zone*



Be aware of existing underground utilities and backfill.

Affected Zone (Depth x 1.5)
*Average Soil Only





illing Co. 2023

Do Not use the open teeth for lifting

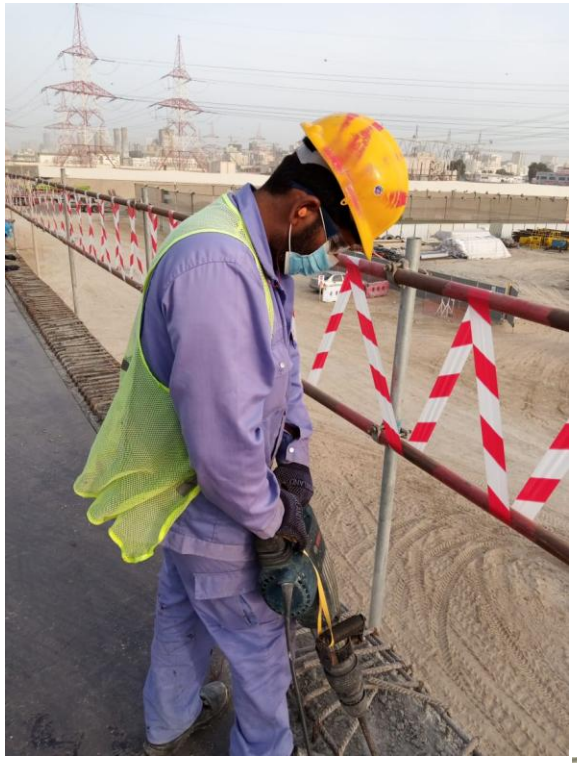


Use the proper lifting gears



Hand & Power Tools

- No homemade or modified tools shall be used.
- All defective tools shall immediately be removed from service for repair.
- Hand Tools shall be inspected for damage or defects daily and prior to use.
- Tools designed with guards, handles and electrical trip switches including dead man switches shall be equipped with such devices at all times. These shall not be removed or by-passed.
- All power tools will be periodically tested and certified by a competent Electrician
- Each Power tools will bear a safety sticker with colour code highlighting next date of inspection as well as register will be maintained.
- Electrical tools will be connected to proper / approved power source and means of proper plug / sockets.
- Proposed usage of power for power tools is 220 Volts (AC) and the distribution boards and boxes shall be fitted with Residual Current Devices/ ELCBs. Where practical, 220V power tools should be replaced with 110V or battery-operated tools.
- Extension cords and air hoses shall never be placed on stairs; walkways, grate floor, ground, or floors where these can create a hazard or suffer damage.
- Cords and air hoses shall, as far as is practically possible, never be placed on the ground or walkways, on surfaces or emergency exits.
- Air hoses shall be fitted with whip checks at each coupling joint.
- Task specific Personnel Protective Equipment's should be used by workmen.









Al Jazeerah Drilling Co. 2023

Hood guard





Al Jazeerah Drilling Co. 2023

Pneumatic Tools - Fastening

- Ensure it is fastened securely to the air hose to prevent a disconnection.
- Use whip check arrestor positive locking device attaching the air hose to the tool.





Unacceptable



Acceptable

Abrasive Wheels and Tools

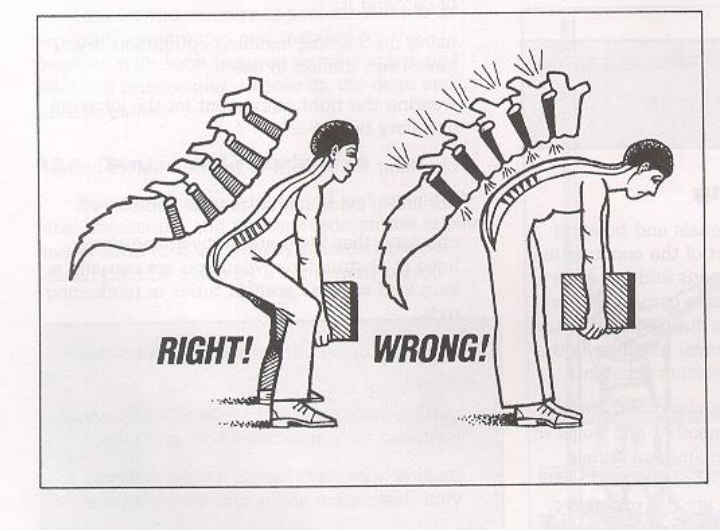
- Only trained & competent person should operate the abrasive wheels.
- Machine speeds must never exceed the maximum permissible speed of the wheel.
- Eyes and ear protection should always be worn.
- Don’t exert heavy pressure on wheels.
- Don’t use the sides of wheels.
- Keep fingers clear of cutting edge of wheel.
- Ensure guards are always correctly fitted and used.
- Always stop wheels when not in use.



Manual Handling

Good handling technique requires training and practice. The concept of the training in good manual handling technique should be tolerated to particular tasks or situation.

- Assess the Load.
- Ensure that travel route is clear and well illuminated
- Get as close to the as possible
- Get a secure grip (Wear gloves if necessary)
- Position feet apart, one foot flat to the floor at the side of the load, the other foot behind, with heel raised.
- Keep the back straight- maintain the natural spinal curve by lifting the head.
- Bend the knees – lift using the thigh muscles;
- Keep the load close to the body- avoid jerking, make a smooth movement;
- Move the feet – avoid twisting at the waist;
- Put down, then adjust – side to desired position



LIFTING & CARRYING

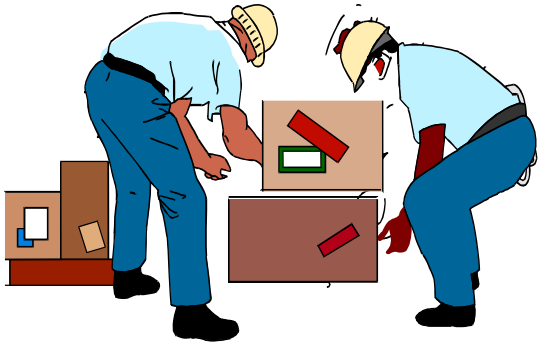


•STAND close to the load

•Bend your knees - not your back!



•Let your legs do the lifting



Get Help with heavy or awkward loads!



Use the right tools!

Back Injuries

- Interestingly, while many people know the role cholesterol, diet and exercise plays in preventing heart attack, few persons know how to prevent spine problems, or a "back attack." While everyone understands that chest pain is a signal from the body that something is wrong, random bouts of back pain are largely ignored until the problem becomes more serious, and a disc is herniated.
- Some back injuries involve the “soft tissue” that is the muscle, ligament type injury.
- A more serious injury occurs when the discs of the spine are involved.

Rules for Lifting

- Never Bend, Lift, and Twist at the same time!
- Use mechanical aids or assistance when possible.
- Bend your knees and use your legs to lift!



Working at Height

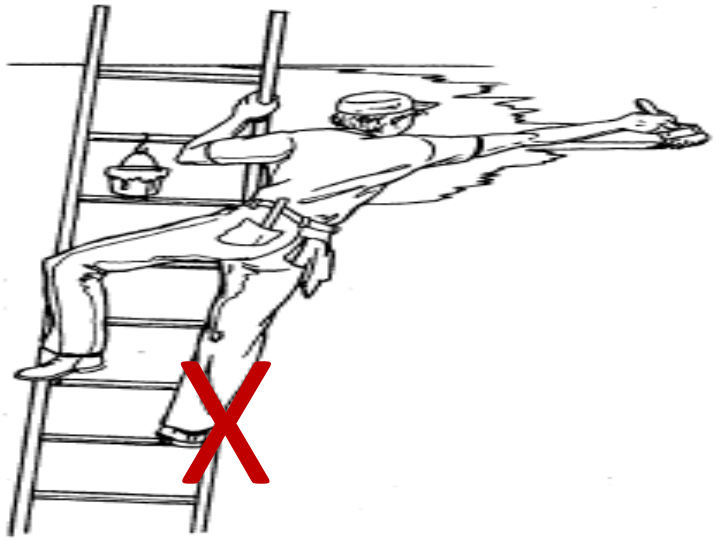
To describe the procedure that ensures the health and safety of all persons who work at heights on construction worksites. This procedure applies on work sites where there is a risk of persons falling 1.8 meters or greater, or where persons are working within 2 meters of a live edge or brittle surface. Persons exposed to these hazards shall be height safety trained and competent in the height safety systems being used if control measures such as barriers and handrails constructed to fixed platforms, walkways, stairways, and ladders. Where height safety is identified as a hazard, a Risk assessment shall be completed and a working at heights checklist filled in to assist in the identification and control of hazards and risks associated with working at heights.

Below mentioned fall protection technique shall be followed when performing the work at height.

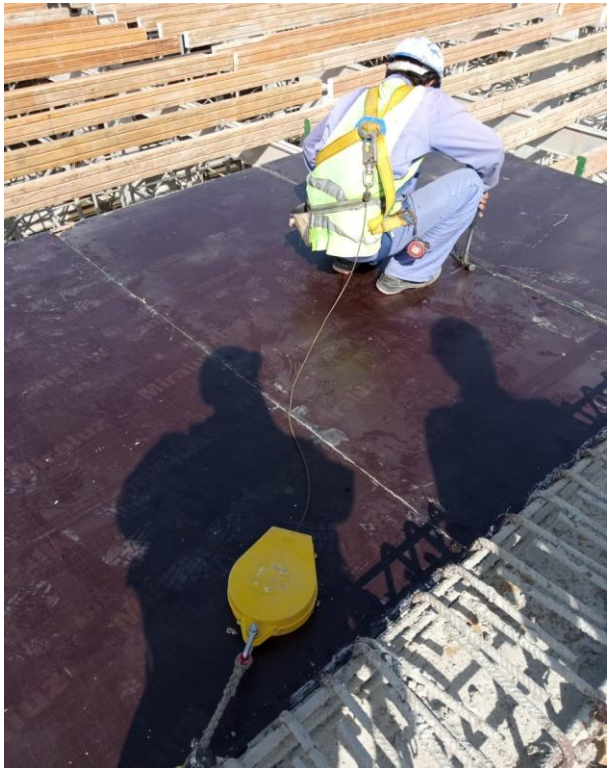
- Guardrail system (Top rail, Mid rail and Toe boards).
- Personal Fall Arrest System (These consist of an anchorage connector, full body harness.)
- Safety Net System. (Safety net shall be installed as close as practicable under the walking / working surface and never more than 30 feet below level).
- Working at Height Safety Training.
- Proper usage of fall protection equipment's and maintenance training.
- Personnel are appropriately trained in height rescue and first aid and
- Ladders placed in areas such as passage-ways, doorways, or driveways, or where they can be displaced by workplace activities or traffic must be secured to prevent accidental movement, or a barricade must be used to keep traffic or activity away from the ladder.



- Keep three-points of contact with the ladder at all times
- Ladders must be used at an angle where the horizontal distance from the base of the supporting structure to the base of the ladder is approximately one-quarter of the working length of the ladder



- Ladders must not be moved, shifted, or extended while in use.






DANGER





Scaffold/ Working Platform

- Hand Rail
- Mid Rail
- Toe Board



Scafftag





INCOMPLETE SCAFFOLD

COMPLETED SCAFFOLD

Incomplete / unsafe Scaffold / Work platforms





Confined Space

- Permit to work required for entering the Confined space.
- Engineer requests permit, foreman receives the permit, permit is Authorized by Safety Dept
- All persons engaged in confined space must be trained by third party.
- Foremen's responsibility to supervise the works
- Proper communication system must be available (walkie/talkie, megaphone, whistle)
- Emergency rescue equipments must be in place (trolley, stretcher, respack, man basket, crane, tripod, full body harness, SCBA)
- Proper illumination must be provided
- Safe access/egress must be in place.
- Calibrated multi gas monitor must be available.


CAT
320


DANGER
DO NOT ENTER
PTW BOX





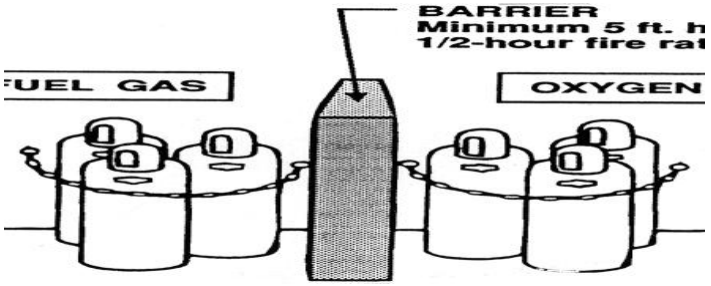

PTW, TBT
& MSRA

Hot Works

- Hot work permit shall be provided and approved by the Permit. Site Engineer/ Site supervisor Issuing authority to the Hot Work permit and put into place under the control of the Performing authority.
- Compressed gas cylinders must be upright at all times, secured to prevent falling, and protected from extreme heat and from being struck by moving equipment and/or falling objects.
- If transported by crane, hoist, or derrick, compressed gas cylinders will be handled in a suitable cradle, net, or ship box, never by wire or fiber rope, web or chain sling, nor by dragging. Regulators will be removed and caps where required will be in place.
- Oxygen cylinders will not be stored near highly combustible materials, especially oil and grease, nor near compressed fuel gas cylinders. Oxygen and fuel gas cylinders in storage will be separated by a distance of 6 m (20 ft.) or by a 1.5 m high (5 ft. high) wall lined on one side with a minimum of 18-gauge steel, or by similar fire-resistant material such as asbestos-cement board.
- Caps will be replaced on cylinders that are empty and are designed for such caps and such cylinders will be marked `Empty´. And kept separate from the full cylinders.
- Flashback arrestors shall be fitted, after the pressure-reducing valve, in order to prevent flashbacks or the mixing of gases in the cylinders or hoses. They shall be firmly connected to the pressure reducing valves, flashback arrestors, and blowpipe/torch by means of regular pipe fittings. No other form of fastening shall be acceptable.
- Welders must be having valid third party training certificate.
- Fire watchman must be near the hot work area with calibrated fire extinguisher nearby.
- No flammable materials must be kept near the hot work area.
- Fire blanket must be used when required.
- Welders must wear the task specific PPE for welding activities (Welding coverall/apron, welder shoes, welding gloves, welding glass).




OXIGEN


BARRIER
Minimum 5 ft. h
1/2-hour fire rat
UEL GAS
OXYGEN



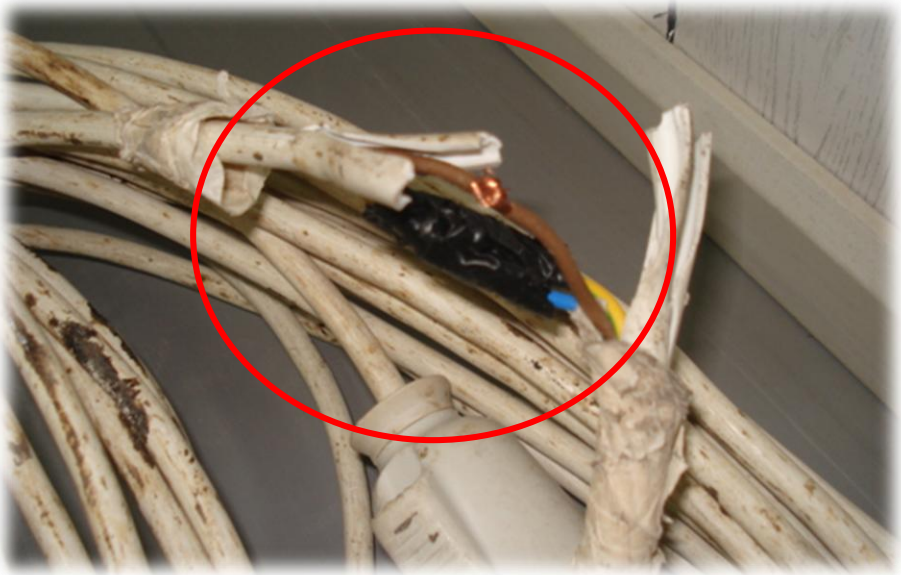


Electrical Safety

- All electrical installations, repairs and maintenance must only be carried out by a competent & qualified electrician.
- All electrical hand held power tools use on site are to be 110v, Cables must be adequately protected.
- Check Electrical cables for cuts, splits or damage.
- Avoid damage to electrical cables by protecting from sharp edges and objects.
- Keep cable clear of ground where possible using hooks provided to avoid
- damage by impact, crushing and abrasion, e.g. by plant or vehicles.
- All electrical connections should be protected with RCD.
- Never use damaged socket / plug
- Check before use. Do not use damaged cables
- Never take two connections from one socket / plug

ELECTRICITY KILLS, DO NOT PUT YOURSELF OR OTHERS AT RISK.

Al Jazeerah Drilling Co. 2023









Drilling Co. 2023

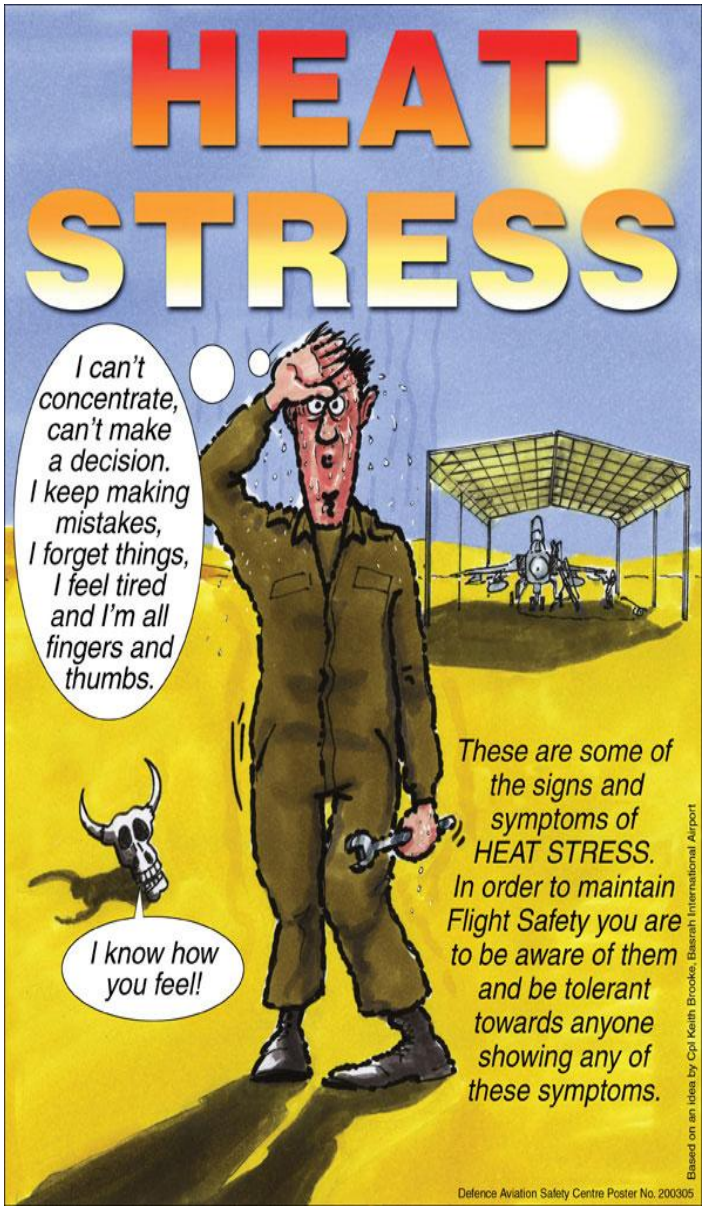
Summer Working Requirements

- Heat stress is caused by an increasing body temperature during activity in hot areas.

- As the body tries to cool itself, other body functions may be neglected and heat stress may begin. It is a potentially dangerous condition that occurs when the body is unable to regulate its temperature and can occur whilst in extreme heat or during strenuous activity.

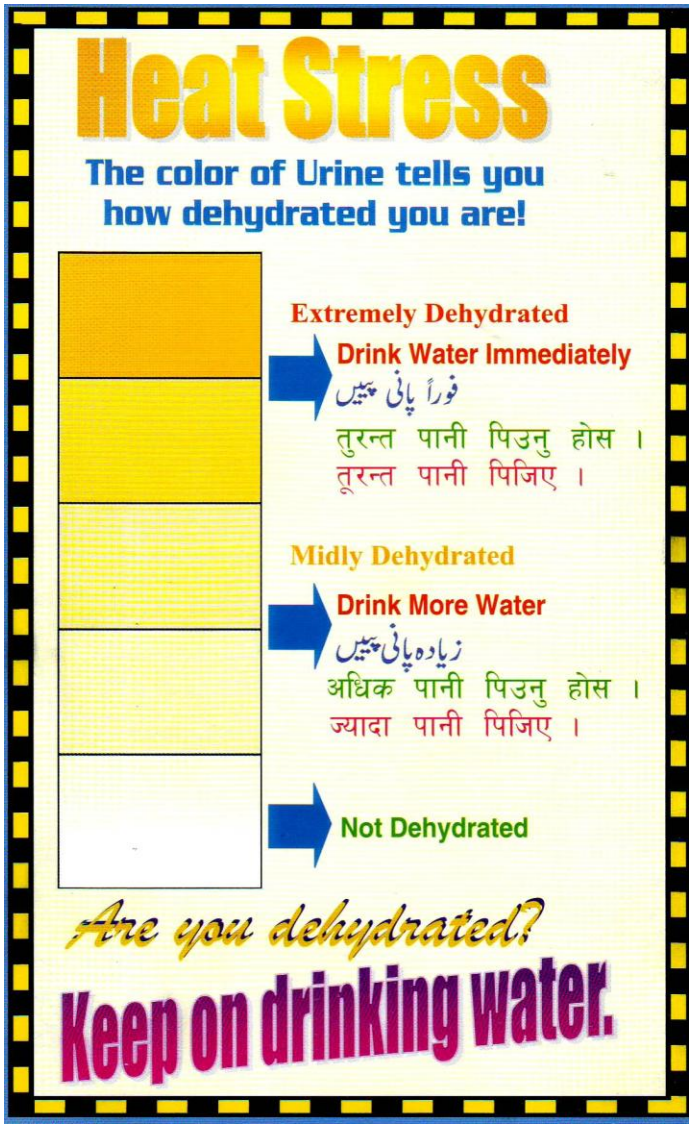
- **Signs:**

  - Headache / Nausea
  - Weakness
  - Lack of sweat



ACTIONS:

- Start drinking water (before you start work)
- Drink water (do not wait until you feel thirsty)
- If you feel thirsty you are dehydrated
- High humidity increases the risk of dehydration.
- Check your urine color
  (dark urine means you are dehydrated)
- Ensure adequate ventilation
- Rotate work (from hot to cool areas)
- Report to your Supervisor or the Nurse at first sign of any problem
- Keep an eye on your work mates



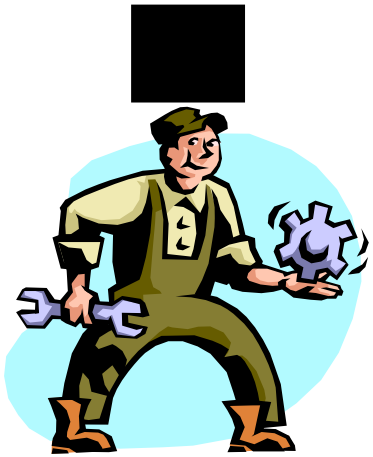
Training and Toolbox Talks



- A toolbox talk is a small safety meeting conducted by the supervisor/foreman to the workforce prior to work, which identifies the hazards and measures associated with day's activities such as Electrical, Fall, Trapped in Confined Space, Tripping, etc.
- It must be documented with the topic discussed and attendees present for the meeting. The topic is decided by the supervisors or Safety Department.

Incident Reporting

- All Incidents and Near-misses shall be reported, recorded and investigated.
- The concerned supervisor/ Engineer shall report the incident immediately to the Project Engineer and HSE dept.
- Report ALL occupational injuries and illnesses to your supervisor / HSE dept. They are the forewarnings and provide opportunity to prevent injuries in future
- Get prompt first-aid / medical attention
- Cooperate for the investigation.



ACCIDENT



NEAR-MISS

Reporting of Incidents/Near misses

Step1
- Contact Emergency Number
- Foreman is informed immediately

Step2
- Foreman informs Site Engineer/Construction Manager

Step 3
- Construction manager informs Project manager and Safety Manager immediately

Step 4
- Project Manager Informs Consultant and Client immediately and initial incident report shall be submitted within 24 Hrs.

Step 5
- Project Manager Informs Managing Director & Chairman



If you see any unsafe act / condition, DON'T WALK BY...



Take Action NOW !

Call him and advise him about the correct procedure

Tell the foreman to make a safe workplace

Advise the foreman to make an effective TBT on this subject to all employees.



YOUR FAMILY IS WAITING
FOR YOUR
SAFE RETURN

WORK SAFELY

Remember…

If you Think Safe and Act Safe you will Work Safe.

Any questions?

Thank You!!!!!!



Dehydration

- Drink sufficient water before leaving for site
- Avoid direct sunlight and keep within shaded area whenever possible
- Put on sunscreen if necessary
- Do not go to the site if feeling unwell
- Seek immediate medical attention if feel unwell on site

