TRANSMITTAL

هيئة كهرباء ومياه وغاز الشارقة
Sharjah Electricity, Water and Gas Authority

PROJECT / CONTRACT TITLE : POTABLE WATER SUPPLY TO JABAL AL DEEM - KALBA PACKAGE-2 MAIN PUMPING STATION AND BOOSTER PUMPING STATION (JP108)

CONTRACTOR'S CONTRACT # JP-108

CONTRACTOR : M/S. AL JAZEERAH DRILLING LLC | CONSULTANT : M/S. JACOBS | EMPLOYER : M/S.SEWGA KALBA

TRANSMITTAL No. JP108-TRN-087 | DATE: 20-Jul-2026

To: Attention: Marwan Ahmed
Adrdess
Email ID: Marwan.Ahmed@jacobs.com
Phone #
Fax #

Submitted for
- [ ] As requested
- [ ] For Information / Record
- [ ] For Review / Comments
- [x] For Approval
- [ ] For necessary action

Shipment Method: Email | Confidentiality [Yes/No]: Yes

Document Type: Report | Previous Submittal Ref: N/A

Discipline: [ ] Civil [ ] Electrical [ ] Mechanical [ ] Plumbing [ ] ICA [x] Other

SR.	Document No.	Description	Rev.	Copies	Remarks	Approval Code (For consultant use)
1	JP-108 – HSE – EMP	Emergency Management Plan	0	PDF		

For Contractor

Ahmed Al Jnaidi (Name:) | Project Manager (Designation:) | (Signature:) | 20-Jul-2026 (Date:)

For Consultant Use | Contarct # | Jacobs' Project Number

[ ] Approved [ ] Approved subject to comments [ ] Revise and Re-submit before proceeding [ ] Rejected

*Comments:

The Emergency Management Plan is approved. The contractor shall ensure all personnel are aware of the plan and emergency procedures are effectively implemented.

Rajeev Jnanadevan

Review and approval are only for general conformance with the concept of the project and general compliance with the information provided in the contract documents. Contractor, and his Subcontractor / Supplier, remains responsible for compliance with contract documents, confirmation and correlation of quantities and dimensions, selection of fabrication process and techniques, coordination of trades, and performance of this work in a safe and satisfactory manner.

Use Submittal Review Sheet to track the closure of critical comments. Use legible handwriting.

Resident Engineer
Sign:

Name:Marwan Ahmed	Designation: RE	Signature:	Date: July/29/2026

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For Contractor

Ahmed Al Juaidi	Project Manager		20-Jul-2026
Name:	*Designation:*	*Signature:*	*Date:*

For Consultant Use **Contarct #** **Jacobs' Project Number**

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Name:Marwan Ahmed	Designation: RE	Signature:	Date:

EMERGENCY MANAGEMENT PLAN

CLIENT: SHARJAH ELECTRICITY, WATER AND GAS AUTHORITY

هيئة كهرباء ومياه وغاز الشارقة
Sharjah Electricity, Water and Gas Authority

ENGINEER: M/s JACOBS

Jacobs

CONTRACTOR: AL JAZEERAH DRILLING

Al Jazeerah Drilling

Rev	Date	Purpose	Description	Prepared by	Reviewed & Approved by
00	18.07.2026	HSE	Issued for Review	NASIR ALI KHAN (HSE MANAGER)	AHMED JUAIDI (PROJECT MANAGER)

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1.0 INTRODUCTION

1.1 PURPOSE

Al JAZEERAH DRILLING (JD) provides this Emergency Response plan to provide directions in case of an emergency affecting the co-workers at the project. It describes communication and pre-planning required enabling quick access to specialized recourses in emergency situations**.** This plan has been established to identify relevant emergency situations as well as to provide a set of guidelines for processes associated with the nature of the works. Responsibilities of the persons and the communication between the concerned parties will be described. Emergency drills will be conducted during the project to ensure preparedness for all identified emergencies. Records of these drills will be maintained.

1.2 SCOPE

The scope of this procedure covers all work that is undertaken and applicable to the emergency rescue at the premises and work locations. In addition, this procedure covers all work that is undertaken by JD's employee working within SEWGA facilities.

1.3 OBJECTIVE

The objective is to ensure that there will be an efficient and orderly response to emergencies so that loss of life and property will be avoided and disruptions of work are minimized.

1.4 REVISIONS

This Plan may be subject to review annually or as found necessary. No review or update to this Emergency Plan shall be made without consent from the HSE Department and approval from the Project Manager.

1.5 ABBREVIATIONS

PHSEP:	**PROJECT HEALTH, SAFETY, ENVIRONMENTAL PLAN**
ERP:	**EMERGENCY RESPONSE PLAN**
ERT:	**EMERGENCY RESPONSE TEAM**
PM:	**PROJECT MANAGER**
EC:	**EMERGENCY COORDINATOR**
PPE:	**PERSONAL PROTECTIVE EQUIPMENT**
SDS:	**SAFETY DATA SHEET**
COSHH:	**CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH**

1.6 DEFINITIONS

DANGEROUS OCCURRENCES	These are events or situations that could harm employees at work in such a way that there is a legal requirement to report them. If something happens which does not result in a major injury, but clearly could have done, it may be classed as a dangerous occurrence.
EMERGENCY SITUATION	A situation resulting from a predictable but unwanted event which can lead to a serious incident of which requires appropriate management, by means of detailed plans and adequately trained personnel.
HOUSEKEEPING	Set of simple procedures that ensure that the work areas and routes are properly maintained and clean to limit risks and hazards such as wet, slippery or uneven floor surfaces; accumulation of waste or other debris in the workplace; poorly lit areas.
INCIDENT	Means an unplanned event or chain of events, which has or could have caused injury or illness and / or damage (loss) to assets, the Environment or third party / parties.
INJURY	Personal injury includes any disease and any impairment of a person's physical or mental condition.
PPE	Personal Protective Equipment. The collective term describing clothing and equipment used to protect the individual against agents hazardous to health.

2.0 RESPONSIBILITIES

2.1 PROJECT MANAGER

- Is responsible and accountable to create and execute the Emergency Response Plan.
- Shall ensure that all personnel involved in the operation are properly informed and trained to implement this plan and assist as required.
- Shall ensure that all sub-contractors advise the organization of any incidents accordingly.
- Shall review and analyze accident and incident reports.

2.2 EMERGENCY COORDINATOR

HSE Officer shall function as the Emergency Coordinator (EC). He is responsible for the following:

- Adequate training of all staff and laborers that have duties in the Emergency Response.
- Ensure that maintenance for all emergency response equipment is implemented.
- Initiate necessary exercises to establish excellent level of emergency preparedness.
- Maintain good communication with parties involved during Emergency Response Operations.
- Ensure the health and safety of staff and workers involved during response operations and exercises.
- Assess the severity of the emergency and discuss and advice on the response strategy.
- Evaluates the exercises and operations to improve the ERP.

2.3 HSE OFFICER

- Understand the rescue procedure and assist line management to disseminate & communicate the procedure to all site personnel.
- Ensure that personnel receive clear instructions relating to the work they are carrying out and procedure in the event of emergency and rescue.
- Report the incident by proper channel of communication.
- Inspect the rescue equipment at worksite and ensure that it is properly maintained.
- Coordinate with emergency services.

2.4 PROJECT ENGINEER

- He must understand the rescue procedure and communicate to the site Supervisor/Foreman.
- Ensure that the rescue equipment at worksite is properly maintained.
- Ensure that rescue equipment follows standards.
- Ensure training of personnel is conducted and documented.
- Coordinate with emergency services.

2.5 SITE SUPERVISOR/FOREMAN

- Understand the rescue procedure and assist line management to disseminate & communicate the procedure to all operatives/workers.
- Ensure that his subordinates receive clear instructions relating to the work they are carrying out and procedure in the event of emergency and rescue.
- Report the incident by proper channel of communication.
- Inspect the rescue equipment at worksite before operation and ensure that it is properly maintained.

2.6 FIRST AIDER

- Administer first aid to injured or ill workers promptly. Stabilize the injured person until professional medical help arrives.
- Use appropriate first aid techniques and equipment based on the injury or condition (e.g., CPR, wound care, or treatment for fractures).
- Ensure the first aid kits and medical supplies are stocked, accessible, and up-to-date.
- Regularly inspect supplies to replace expired items and replenish as needed.
- Document details of all incidents, injuries, and illnesses treated.
- Educate workers about basic first aid practices and the location of first aid kits and emergency contacts.

2.7 FIRE WARDEN

- Conduct regular inspections of fire safety equipment, such as fire extinguishers, alarms, and emergency exit, to ensure they are in proper working condition.
- Participate in and help coordinate fire drills to test the effectiveness of evacuation procedures.
- Raise the alarm immediately to alert all personnel about the fire.

- Direct workers and visitors to evacuate safely using designated escape routes.
- Assist individuals who need help evacuating, such as those with disabilities or injuries.
- Conduct a thorough sweep of the area to ensure no one is left behind, if it is safe to do so.
- Maintain accurate records of fire drills, inspections, and any fire safety concerns raised.
- Report all fire incidents, near misses, or hazards to the safety management team.
- Provide critical information to emergency services upon their arrival, such as the location of the fire and any individuals potentially trapped inside.
- Display clear signage for fire safety equipment, assembly points, and emergency exits.
- Encourage a proactive fire safety culture on the site & trained personal in the site.

2.8 ROLL CALLER

- Assist the operatives in evacuating the site.
- Ascertain that all operatives have been evacuated & assembled at the designated assembly point.
- Head count of operatives in the assembly point

2.9 EMERGENCY CONTROLLER

- Ensure that the appropriate emergency service has been notified.
- Ensure that the area wardens are advised of the situation
- Brief emergency service personnel on their arrival and thereafter act on the instructions of the emergency service's senior officer
- Initiate evacuation of the workplace

2.10 ALL OPERATIVES

- They must understand the rescue procedure.
- They shall ensure that they received clear instructions relating to the work they are carrying out and procedure in the event of emergency and rescue.
- Report the incident by proper channel of communication.
- Follow safety rules and never damage or alter any safety device of equipment.

3.0 EMERGENCY RESPONSE TEAM

The project EMT (Emergency Management Team) consists of a core group of experienced management, with the remaining resources of the relevant site/work location allocated as support behind them. Other available concerned resources are then deployed according to the nature of the crisis.

JD Emergency Response Team is led by the following key people:

- EMT leader: Project Manager
- EMT Deputy leader: HSE Officer (EC)
- EMT Chief Member: Project Engineer

The Project Manager will be responsible for leading and organizing the Emergency Response Team. The EC will be authorized to act in accordance with overall company policy, standing instructions, national and international law and regulations.
The Project Manager will report to the Client/Engineer in the event of any incidents immediately and submit detailed investigation report in preferably within 30 days.

The Emergency Response Team is responsible for:

- Assisting with any emergency situation that may arise and provide support for the entire emergency period;
- Familiarizing with communications structure and contacts;
- Familiarizing with support and services to be provided; and
- Familiarizing with the preparedness for any emergency situation.

4.0 EMERGENCY RESPONSE ACTIVITIES

4.1 CATEGORIZATION OF EMERGENCY

a) Minor Emergency

- An emergency which can be dealt with effectively and quickly by personnel using the equipment readily available to them.
- Stopping of work and evacuation of personnel may be necessary.
- Such an emergency may however be over before an alarm has been raised.
- Examples; minor injury, limited fire/immediately extinguished, minor equipment failure.

b) Major Emergency

- An emergency causing a major hazard to life, equipment and property, which necessitates the use of outside emergency services.
- This will have a high level of government concerned and involvement that will attract media.
- Examples: major fire, major toxic release from neighboring plant, death and/or serious injury.

4.2 NOTIFICATION & REPORTING

All emergencies are immediately reported to the site EC (HSE Officer). The Emergency Coordinator shall assess the situation and shall then coordinate the actions as per the flow chart in this plan. He shall contact all relevant parties to ensure adequate response.
He shall report: Name, Event, Location, Description of the situation & required response (e.g., firefighting equipment, evacuation, medical etc.)
The emergency coordinator registers the name of the person who makes the report and the time and then calls the Project Manager. The PM will then ensure that this procedure is further followed-up.

4.3 NOTIFICATION TO CLIENT/ENGINEER

In case of an emergency, the EC will inform the PM who will in his turn inform the Client/Engineer representative, relevant Authorities and corporate coordinators thru telephone, e-mails, or initial formal report.

- In the event of a reportable incident, JD shall report the incident to the Client/Engineer via phone or text message immediately.
- An Initial Incident Notification Form shall be completed and sent to the Employer within 24 hours of first awareness of the incident, using the Incident Notification Form.
- All information provided to any outside Regulatory Authority or Ministry shall be provided to the Client/Engineer.
- JD shall keep records of all incident investigations in a format acceptable to the Employer and shall provide these records to the Employer.
- JD shall submit to the Employer by the first working day of each calendar month, a complete listing of hours worked on the project within the previous month.
- Separate lists shall be provided for each Subcontractor at all tiers, including a description of the work undertaken and its location.
- Additionally, JD shall provide a list of any incidents during the previous month, the circumstances and a description of the action taken to prevent re-occurrence.
- JD must then undertake a full investigation and provide a written investigation report within 30 days of the incident first being notified to the Employer. A summary of the Incident Investigation Report must also be provided in the Incident Investigation Report.
- JD shall ensure that first-aid cases (non-reportable) are recorded on-site in a suitable incident log book. JD shall determine the level of effort required to investigate minor injury incidents based on frequency of similar cases and potential for a more serious outcome.

4.4 POTENTIAL EMERGENCY SCENARIO

Considering the scope of work & associated risks, following are identified potential emergency scenarios which may occur on the project:

Sl No.	Activity/Operation	Scenario
1.	Excavation, chamber construction	Fall from Height, Trench collapse
2.	Working near mountain	Falling of rocks
3.	Lifting operation	Crane toppling, fall of load
4.	Working with another contractor	Vehicle collision, hit by vehicle
5.	Working in Heat	Heat related illness
6.	Construction activity	Snake Bite & Venomous Insect bites
7.	Bomb Threat	Fire/Explosion
Note: During the project progress if any activity or risk is identified which may lead into any potential emergency scenario, the plan will be updated accordingly.		

The outline procedures to be adopted in the event of specific type of emergency are given below:

a) Fall

- Inform emergency response team (ERT)
- Call emergency service provider
- If the rescuer is unable to immediately release a conscious casualty from a suspended position, elevation of the legs by the casualty or rescuer where safely possible may prolong tolerance of suspension.
- If the patient is conscious and has been removed from the harness, he should be maintained in a sitting position with their body upright and their legs flat.
- The patient must not be allowed to stand up, exercise, drink or eat.
- Do not give the patient any other medication or fluids.
- If the patient is unconscious the designated first aider should give him CPR till emergency service provider reach.

b) Fire or Explosion

Handling of emergency in the event of fire or explosion. Raise the alarm and ensure that the supervisor responsible for the area is informed. Inform the EC.

Alarm will be raised and evacuation will be initiated immediately. Fire warden will utilize the 'DCP fire extinguisher, provided with the equipment's to extinguish the fire, if possible (if safe).

- In offices, emergency will be alarmed by triggering fire bell, calling on aloud initiating, immediate evacuation & roll calling.
- At work site, emergency will be communicated by the supervisor/Engineer
- Hand Siren / hooter present at the control check point will be raised by person controlling the point to attract more help.
- Emergency coordinator will arrange fresh water tanker to douse the fire, to the equipment.
- Emergency coordinator will call the external agencies ambulance (998) considering the need.
- Rescue effort will be initiated by SCBA equipped rescuers, through the man carrying basket, carrying a stretcher.
- Upon bringing the victims at the check point, first aid will be administered to them.
- After visual assessment if required the victims will be transported **Kalba Hospital** with site emergency car, or will wait for External Emergency Facility (Police Ambulance) to arrive at site.
- HSEO & Emergency coordinator will inform about the incident to the project manager and HSE officer immediately.

Contractor:	Employer:	Engineer:
Al Jazeerah Drilling	هيئة كهرباء ومياه وغاز الشارقة Sharjah Electricity, Water and Gas Authority	Jacobs

POTABLE WATER SUPPLY TO JABAL AL DEEM – KALBA PACKAGE – 2 (PUMPING STATIONS)

EMERGENCY MANAGEMENT PLAN

Doc Ref.:	JP-108 – HSE – EMP – Rev 0	18 July 2026

FIRE

Emergency Occur
- Inform your Foremen/ Chargehand
- Foremen/ Chargehand to call ERC

Emergency Situation Reporting
- Raise alarm & Shout ..fire.. fire
- Area warden to proceed the evacuation to assembly point
- Use fire extinguishers to control spread of fire if it is minor and trained to use.

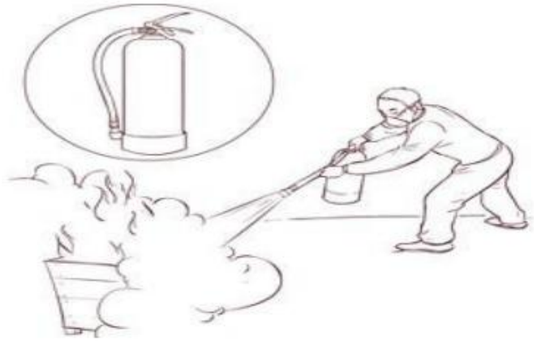
AND/OR
- Notify emergency team
- Do head count based on area daily report
- Pass Information
  - Nature of incident
  - Type of injury
  - Brief details of incident /injury
  - Location
  - Any casualties/damages
  - Nature of assistance required

ERT ACTIVATE
- Activate the area ERT
- Transport the emergency equipment to incident location.
- First aider to check injured person and arrange transportation for hospital
- Trained Fire warden to extinguish and only authorized personals may allow enter the facility.
- Advise everyone to stay in assembly point till further instruction
- Take/Collect Photograph Evidence

EMERGENCY RESPONSE RESOURCES
- Fire fighting equipment
- Fire Blanket
- Area warden
- First aider
- First aid kit
- Automatic and manual alarm
- Cones, Flagman, flags

EXTERNAL HELP
- CALL AMBULANCE/POLICE /Civil Defense
- 999/998/997

FOLLOW UP & UPDATE
- Communicate to authorities.



c) Structural Collapse, Loss of Stability, Rock falling from mountain

- The procedure in the event of a loss of stability or collapse of such structures such as pre-cast installation, a crane or scaffolding are as follows.
- In the event of a structure or plant collapse, rock falling activities in the area must be stopped and the area must be barricaded and made as safe as possible.
- The Project Manager must be informed in order to direct site emergency response personnel to the area, and call for external support if it is deemed necessary. The Project Manager will send a delegate to help control the area and set up an exclusion zone until a plan is discussed and approved by Site Management.
- The Site Safety In-Charge will have access to the number of personnel in area and will be responsible with the senior staff member on site, for ensuring all workers are accounted for by collating the head count from each of the works supervisors.
- All personnel in the area of the collapse must be accounted for or in the event of a people being trapped it must be clear as to the number of persons missing and presumed trapped.
- The First Aider will be put on alert and will be dispatched to the site in order to provide any medical assistance.
- The site of the collapse area must be made safe before any rescue is attempted, to prevent further injuries should the structure collapse further.
- Should external agencies be called to assist, the control will be handed over to them and the Project Manager will provide all assistance, equipment and staff possible.

COLLAPSE OF EQUIPMENTS/VHICLES /MATERIAL INCLUDING FALLING INTO EXCAVATION

Emergency Occur
- Inform your Foremen/ Chargehand
- Foremen/ Chargehand to call ERC

Emergency Situation Reporting
- Evacuate the workers to assembly point
- Notify emergency team
- Pass Information
  - Nature of incident
  - Type of injury
  - Brief details of incident /injury
  - Location
  - Any casualties/damages
  - Nature of assistance required

EXTERNAL HELP
- CALL AMBULANCE/POLICE 999/998

FOLLOW UP & UPDATE
- Communicate to authorities.

ERT ACTIVATE
- Activate the area ERT
- Transport the emergency equipment to incident location.
- First aider to assess the injury.
- Arrange transportation for hospital or first aid facility as required
- If required consult with authorities for rescue operation for personnel and equipment
- Take/Collect Photograph Evidence
- Arrange lifting equipment to lift the collapsed equipment

EMERGENCY RESPONSE RESOURCES
- Traffic cone, Flagmen, Flags
- First Aider
- First aid kit
- Lifting equipment & accessories
- Rigger
- Lifting Equipment/ accessories
- Emergency vehicle/transportation

d) Snake Bite & Venomous Insect bites

- Shout for help. Inform the EC.
- If you or someone you know are bitten, try to see and remember the color and shape of the snake or insects, which can help with treatment of the bite.
- Keep the bitten person still and calm. This can slow down the spread of venom if the snake or insect is poisonous.
- Seek medical attention as soon as possible.
- Call 999 to report the accident and for immediate assistance.
- Inform Project Manager/HSE Officer.
- Apply first aid if you cannot get the person to the hospital right away. (Only competent First Aider can do the First Aid Treatment if applicable)
- Lay or sit the person down with the bite below the level of the heart.
- Tell him/her to stay calm and still.
- Cover the bite with a clean, dry dressing.
- Wait for the Standby emergency vehicle on site to bring it to the nearest hospital (Kalba Hospital-Kalba, Sharjah).

e) Vehicular Accident

Road Accident Procedure:
In the case of a road accident, do not leave the scene and call 999 immediately. The dispatcher will ask you a series of questions which he will enter on to a computer. The information you give will be relayed to a response team and this will form the basis of which team is sent to help you.

- Inform the emergency response team member.
- Bring the vehicle to a standstill and ascertain whether any passengers or other road users have been injured
- Do not move any casualties unless they are in immediate danger
- Do not attempt to tackle any fire yourself - remember that fire can spread extremely quickly and that toxic fumes are given off during a vehicle fire·
- If a minor injury is suffered then the designated First Aider should provide appropriate treatment and decide whether hospital treatment is necessary.
- In the event of a serious injury, the designated first aider or the emergency team leader should arrange for the emergency services. Be prepared to give them as much information as possible about the condition of the casualty and to follow their instructions
- Where a casualty is taken to hospital, it is advised that another member of the emergency team should accompany them.

Please remain calm and answer the questions in short, specific replies, giving only the requested information. The dispatcher is likely to ask:

1. What is your emergency?
2. What's happening now?
3. Where is the patient located?
4. What number are you calling from?

At this point the dispatcher may give you directions such as "Stay on the line until I tell you to hang up. Paramedics are being sent to your location. Please meet them and direct them to the scene." If you are trained in first aid, you should apply these principles while you wait for assistance. If you would like to learn more about first aid, please visit the Emergency First Aid Tips page.

f) Spill Response Procedure

Non-Hazardous Oil / Chemical Spill

- Employees, sub-contractors and visitors must report all hazardous spills to EC; do not attempt to clean it up yourself.
- If the spilled material is potentially flammable or corrosive, or is fuming, smoking or exhibiting other unusual properties, the reporting employee should evacuate the immediate area and prevent others from entering the area, if it is safe to do so.
- Upon receiving notification of a spill, the supervisor will immediately notify HSE Officer.

HSE Officer will:

- Decide whether external assistance is required and plan if needed.
- File all necessary notifications regarding the spill to the required regulatory authority.
- Enter the incident into the incident database.
- Review spill procedures with supervisor/manager and amend if necessary.

Oil/chemical spills are dangerous to the health of people and to the environment. The hazards include fumes, ignitions, asphyxiation, burns soil and water contamination, and fire. In case of an oil/chemical spill, immediate measures can help the oil/chemical spill from spreading. Be sure to have the presence of mind and follow this easy and effective oil spill clean-up procedure.

Remember the 3 C's – Control, Contain and Clean-up.

- **Control:** Stop the cause or source of oil/chemical.
- **Contain:** Minimizing the damage of the oil/chemical by preventing the spill from spreading to other areas.
- **Clean-up:** Removal of oil/chemical itself from the affected area. The proper disposal of the materials used in the removal of the contamination is the final step in any clean up.

The aim is to effectively deal with spill accidents to prevent the adverse effects on the environment and on the individuals cleaning-up the contents of the spill.

The following steps should be carried out in the case of an accidental spill:

- Alert Personnel

- Enclose the area and take necessary action
- Remove the contaminated material
- Dispose of the contaminated material appropriately
- Inform the supervisor/manager or environmental directorate and if required the environment agency.

Procedures are as follows:

Control

1. Immediately take control of the situation.
2. If possible, stop the source of the leakage. It can be done by turning off valve immediately or turning the container upright.
3. Search for causes of ignition. Put out flames or turn off any machines that are working.
4. Wear proper safety gear. Fumes can be inhaled, so make sure that your whole body is well protected.
5. Inform your supervisor or manager immediately and any personnel.

Containment

1. If the oil/chemical are near any type of drainage be sure to seal those first.
2. Ensure that the Drip Tray is provided to contain spillage.
3. Enclose the area of containment.
4. Make sure that you have secured all exit points for the spillage.

Clean-up

1. Place the absorbent material directly on the liquid.
2. Scatter the absorbent material in the different areas to aid in the cleanup.
3. Continue placing and replacing absorbent material until the last drop of liquid is absorbed.
4. Place all the contaminated absorbent material inside a plastic bag.
5. Place the plastic bag in another bag to prevent leakage.
6. Place the bags inside a container.
7. Label the container.
8. Contact an Environmental Authority & approved waste hander for proper disposal.

Do not hesitate to contact your local fire department (Civil Defense Center-Kalba) if you have a large spill. Depending on the size and type of skill, check with the company environmental manager if you need to report the spill to the Environmental Agency.

For spill kits please contact the plant department.

Contact the HSE Officer if you have any concern relating to your health for the spill.

SPILLAGE OF HAZARDOUS MATERIAL(Environmental Incidents)

Emergency Occur
- Inform your Foremen/ Chargehand
- Foremen/ Chargehand to call ERC

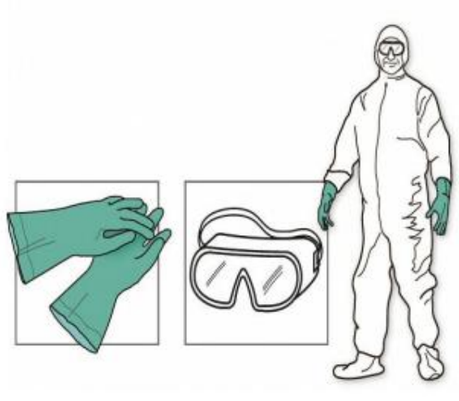
Emergency Situation Reporting
- Evacuate the workers to assembly point
- Notify emergency team
- Pass Information
  - Nature of spillage
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  - Location
  - Nature of assistance required

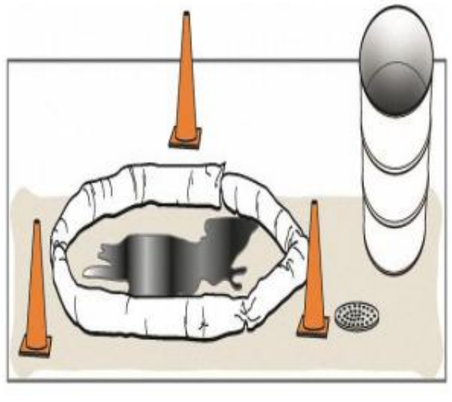
ERT ACTIVATE
- Activate the area ERT
- Transport the emergency equipment to incident location.
- Cordon off spillage area
- No smoking boards will be installed and strictly followed.
- SDS shall be checked for its nature and reaction.
- Administrate first aid as instructed in SDS
- Cover the spill
- Remove saturated sorbent
- Take/Collect Photograph Evidence

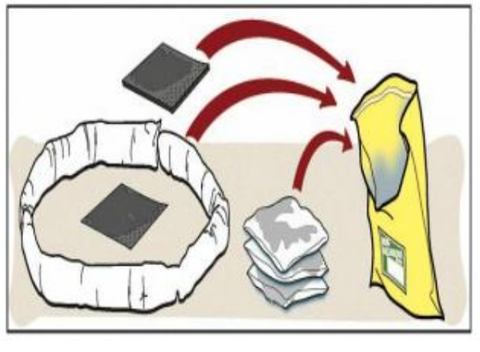
EMERGENCY RESPONSE RESOURCES
- Traffic cone, Flagmen, Flags
- Trained spillage removal team
- Spill kit
- Personal protective gears

EXTERNAL HELP
- CALL AMBULANCE/POLICE 999/998

FOLLOW UP & UPDATE
- Communicate to authorities.







g) Confined Space Emergency (if any):

- Inform the emergency response team and emergency service provider (if require).
- Under normal operating conditions any member of a team working in a confined space should be capable of self-rescue if the confined space becomes unexpectedly hazardous.
- If the person in the confined space becomes incapacitated, emergency coordinator will arrange for the trained emergency rescue team. The other members of the team should be able to assist them by pulling them out using either a mechanical lifting device or a lifeline.
- If a lifeline is the means by which an incapacitated person will be recovered, the number of Top-men must be sufficient for that recovery to be made.
- However, it may be appropriate to make arrangements for Assisted Rescue in the event that a person in a confined space may become incapacitated.
- In this instance Assisted Rescue means a dedicated team, appropriate to the work and location, whose only job is to be available to affect a rescue in such an emergency. These dedicated teams may be provided by in-house teams, specialist.
- All members of designated rescue teams must be Breathing Apparatus wearers, trained to use Working or Rescue Sets, be experienced in confined space conditions, physically and psychologically capable and trained in relevant rescue techniques.
- Designated first aider to provide first aid till emergency service provider reaches the spot.

Following table defines the identified confined space and required emergency rescue items:

Sl. No.	Scenarios	Emergency Rescue Items
1	Pump Station	• Crane with lifting accessories (with valid third-party certificates) • Man-basket (with valid third-party certificates) • Vertical rescue stretcher /Tripod (For Medical Emergency) • Safety Harness and Tripod (with valid third-party certificates)

RESCUE FROM CONFINED SPACE

Emergency Occur
- Inform your Foremen/ Chargehand
- Foremen/ Chargehand to call ERC

Emergency Situation Reporting
- Call on emergency Number
- Pass Information
  - Nature of incident
  - Type of injury
  - Brief details of incident /injury
  - Location
  - Any casualties
  - Nature of assistance required

EXTERNAL HELP
- CALL AMBULANCE/POLICE 999/998

FOLLOW UP & UPDATE
- Communicate to

ERT ACTIVATE
- Activate the area ERT
- Immediately identify resource
- Stop work and secure the area.
- Do not allowed unauthorized person to entry confined space
- Check the atmospheric level and wear the emergency gears
- Rescue the victim from the confined space
- First aid Team assess the situation and provide First aid treatment
- Assess the injury. Administer First-Aid
- Arrange transportation for hospital or first aid facility as required
- Take/Collect Photograph Evidence

EMERGENCY RESPONSE RESOURCES
- Gas detector
- SCBA
- Traffic cone, Flagmen, Flags
- First Aider
- First aid kit
- stretcher
- Tripod with winch
- Fall arrestor
- Full body Harness



h) Emergency Response procedure in case of Trenching & Excavation collapse

Shut down all equipment, except pumps that are being used to remove water in the immediate vicinity of the cave-in. Stop or reroute traffic that might create vibrations and cause a secondary cave-in. Do not attempt to dig the victim out with a backhoe or excavator. Such equipment may further injure the victim.

- Immediately contact Emergency Services and emergency rescue team.
- Try and locate the victim looking for signs such as tools or a shovel.
- Clear all unwanted workers away from the area.
- If possible, batter the sides of the trench in the collapsed area or insert shoring where possible to protect the victim and rescuers. If Possible, start manual excavation by shovel.
- Remove the collapsed soil with shovels or if it is a very deep trench, with a machine if instructed by Emergency Service.
- If a machine is used, take extreme care to avoid further injury to the victim.
- Allow no one on top of the collapsed soil, as this will increase the pressure on the victim.
- If the trench is over 1.5 meters deep, rescuers are to wear safety harnesses and life lines which extend to the surface.
- When rescuers are near the victim, hands should be used to remove the soil if possible. If shovels have to be used, these are to be used with caution.
- When the victim is located, clear soil from head and chest, and check for breathing and a pulse.
- If no signs of life are present, start Cardio-Pulmonary Resuscitation (CPR).
- If the victim's chin is pressed onto his/her chest, tilt the head back as soon as possible so as to open up the airway to the lungs. This can be done while other rescuers are freeing the soil from the upper part of his/her body and before starting CPR.
- Check for injuries and apply first aid where necessary (Refer to Work Instruction on First Aid).
- **DO NOT** removes the victim by tying a rope around him/her and pulling the rope.
- Where possible, leave the victim in the trench until the ambulance or qualified medical person arrives.

Evacuation from Stable Excavation

Site first aider shall assess the condition of the victim. If the patient is unconscious or in serious condition, immediately contact Emergency Services at **999** and emergency rescue team. The following steps shall be followed:

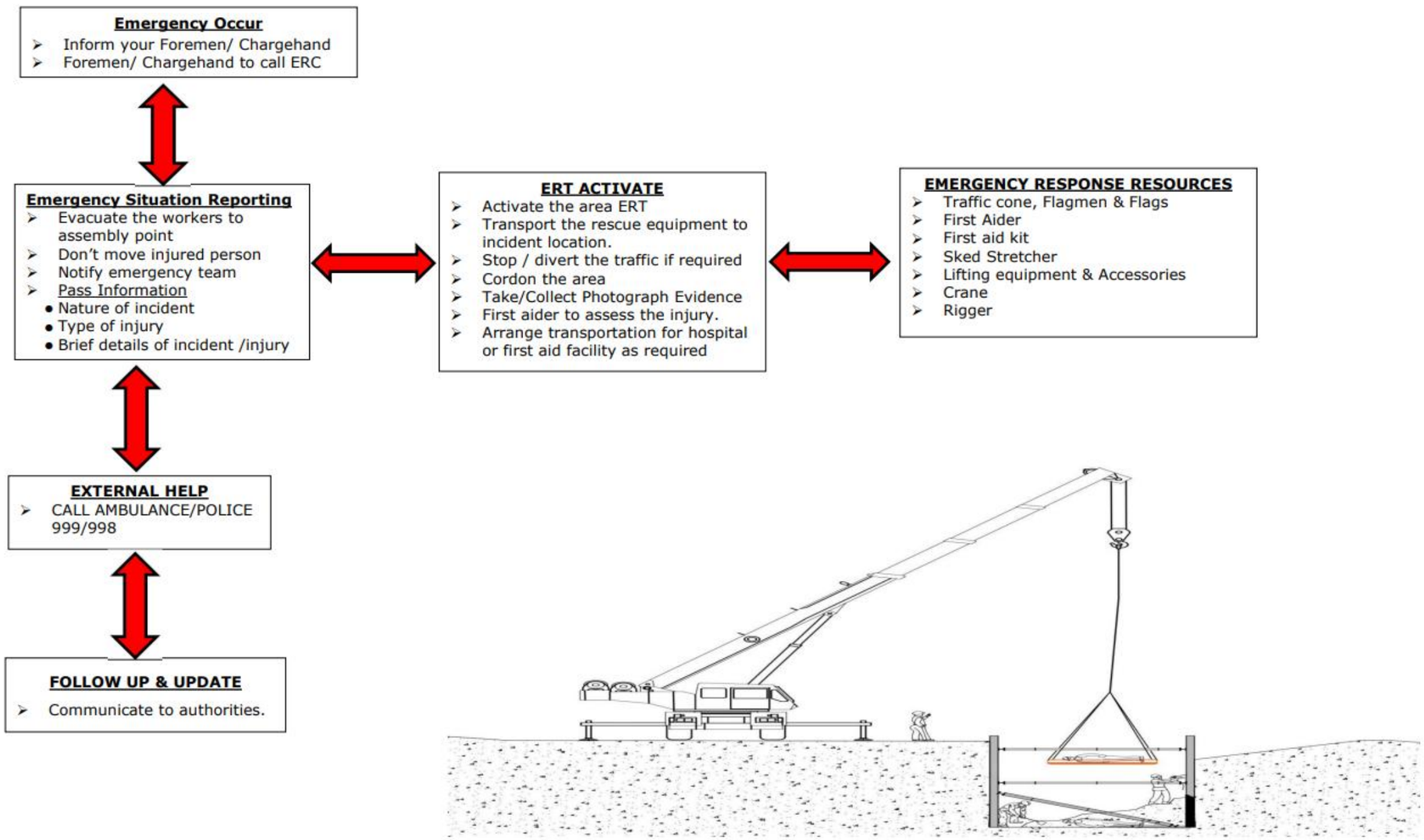
Rescue from Pipe Line

These steps shall be followed for evacuation of personnel/ patient from rising main excavations:

- If personnel are all able, they will use the stairs/ ladders to evacuate the excavation.
- If the injured person (IP) is unable to evacuate, the first aider will access the IP if it is safe to do so, going into the excavation via the designated access.

- If there is a leading edge where excavator is able to make a ramp for emergency egress, such ramp will be made.
- In case there is no leading edge and surrounded by sheet piles the Supervisor will instruct mobilization of crane.
- If the first aider deems that the IP be lifted off using the basket stretcher, a basket stretcher is rigged by a rigger and patient lifted to the top under the supervision of a Lifting Supervisor.
- After the IP is brought to the top, he will be handed over to the emergency services or treated in the first aid room according to the severity.

EVACUATION FROM EXCAVATION/TRENCH/PIT (Event of collapse of structure and fall from height)



i) Emergency response procedure in medical Emergency

- In office, the IP would be attended by first aider and would be escorted to the Hospital if the person is unconscious ambulance would be called.
- At site medical emergency will be communicated by the rigger present at the bottom equipped with Walkies talkies to the rigger at the top of the crane operator, so as to utilize the lifting equipment and man carrying basket for evacuation and rescue of the person.
- Hand siren/hooter present at the control check point will be raised by person controlling the point, to attract more help.
- Emergency coordinator will call the external agencies ambulance (998) considering the need.
- Rescue effort will be initiated with stretcher & the man carried basket.
- Upon bringing the victims at the check point, first aid will be administered to them.
- After visual assessment if required the victims will be transported to the Hospital with site emergency car available with the works supervisor or will wait for external emergency facility (Police ambulance) to arrive at site
- Emergency coordinator will inform about the incident to the Project Manager immediately.
- In case of person suspended from height rescue operation would include arranging nearest mobile crane with man basket attempting to rescue the person suspended by safety harness with suspension trauma kit.

MEDICAL EMERGENCIES (Minor & Major)

Emergency Occur
- Inform your Foremen/ Chargehand
- Foremen/ Chargehand to call ERC

Emergency Situation Reporting
- **Minor Injuries**
  - Notify first aider for small cut & bruises.
- **Major Injuries**
  - Immediately stop the activity.
  - Evacuate the workers to assembly point
  - Notify emergency team.
- Pass Information
  - Nature of incident
  - Type of injury
  - Brief details of incident /injury
  - Location
  - Any casualties
  - Nature of assistance required

ERT ACTIVATE
- Activate the area ERT
- Transport the emergency equipment to incident location.
- Stop the activity and remove the workers from the area
- Cordon off the area and stop / divert the traffic.
- First aider to assess the injury.
- Arrange for transporting to listed hospitals or first aid facility.
- Take/Collect Photograph Evidence

EMERGENCY RESPONSE RESOURCES
- Emergency number/responder
- First aider
- First aid kit
- Foldable Stretcher
- Cones, Flagman, flags
- Emergency vehicle/transportation

EXTERNAL HELP
- CALL AMBULANCE/POLICE 999/998/997

FOLLOW UP & UPDATE
- Communicate to authorities.



j) Emergency Response Procedure for First Aid

First aid can be defined as the immediate and temporary care given the victim of an accident or sudden illness until the services of a physician can be obtained. Effective first aid consists of common sense and a few simple rules.

The following conditions require that basic life support

- Severe bleeding - if large blood vessels are severed, enough blood can be lost in one or two minutes to cause death.
- No breathing/circulation - death or brain damage can occur in four to six minutes if breathing or circulation is not restored.
- Poisoning - every second counts in preventing further injury.

The primary objective in first aid is to sustain life by utilizing basic life support techniques to:

- Maintain an airway
- Maintain breathing
- Maintain circulation
- Control bleeding
- Treat for shock
- Get medical care for the victim

The first aid provider must avoid panic, offer reassurance, inspire confidence and do no more than necessary until medical help arrives**.**

k) Earthquake Emergency Response Procedure

Earthquakes usually strike without warning. In most cases the shock occurs and is ended in seconds. If there is time, people should cover their heads and shoulders and try to protect themselves from falling objects. The scope of this procedure covers response to all types of earthquakes.

Injuries are commonly caused by

- Partial building collapse; collapsing walls; falling objects.
- Flying glass from broken windows and mirrors.
- Overturned fixtures, and other furniture and appliances.
- Fallen power lines.
- Drastic human actions resulting from panic.

Immediate response measures for all personnel

- On detection of shock, remain in place.

- Remain calm. Think through the consequences of any action. Try to calm and reassure others.
- If indoors, watch for falling plaster, light fixtures, and other objects. Watch out for high storage areas, shelves, and tall equipment that might slide or topple. Stay away from windows and mirrors.
- If in danger, get under a table, desk, or gurney, in a corner away from windows, or in a strong doorway. Encourage others to follow your example. Usually it is best not to run outdoors.
- After the initial shock has ended and a reasonable interval has passed with no further shock, survey immediate surroundings to determine injuries and damage.
- Do not attempt to move seriously injured persons unless they are in immediate danger of further injury.
- Call the emergency response team and emergency service provider

l) Electrocution

- Do not approach the victim if the area is still electrified. Ensure your safety by turning off the power source or using non-conductive materials to move the victim away from the electrical source.
- Dial emergency services immediately. Provide clear information about the situation, including the victim's condition and the cause of electrocution.
- If possible, disconnect the power source or turn off the circuit breaker to eliminate the electrical hazard. Use insulated tools or materials to avoid direct contact.
- Refrain from touching the victim until it is confirmed that the power source is de-energized. Electrical current can pass through the victim to the rescuer, causing further injuries.
- If the victim is unconscious and not breathing, start CPR (Cardiopulmonary Resuscitation) until professional medical help arrives. Ensure the victim is lying on a dry surface.
- Administer basic first aid for burns and injuries. Do not use metal instruments for this purpose, as they can conduct electricity.

ELECTROCUTION

Emergency Occur
- Inform your Foremen/ Chargehand
- Foremen/ Chargehand to call ERC

Emergency Situation Reporting
- Turn off the electricity
- Evacuate the workers to assembly point
- DO NOT touch the casualty if you have been unable to isolate them from the source of the electrical shock or turn off the electricity.

AND/OR
- Notify emergency team
- Pass Information
  - Source of electrocution
  - Brief details of incident /injury
  - Location
  - Any casualties/injuries
  - Nature of assistance required

EXTERNAL HELP
- CALL AMBULANCE/POLICE 999/998/997

FOLLOW UP & UPDATE
- Communicate to

ERT ACTIVATE
- Activate the area ERT
- Transport the emergency equipment to incident location.
- Cut him/her from the source of electricity if not possible remove safety shoes and stand on piece of wooden ply and wear insulating gloves or use wooden stick to isolate the person from electricity.
- Check whether the casualty is conscious:
- Ask "hello, can you hear me?" and call their name if you know it.
- Ask in both the casualty's ears for them to open their eyes.
- Pinch an ear lobe or tap the shoulders.
- DO NOT move the casualty unless the environment or situation is dangerous.
- Take/Collect Photograph Evidence

EMERGENCY RESPONSE RESOURCES
- Rubber Insulating Gloves and Sleeves
- Wooden Stick
- First aider
- First aid kit
- Cones, Flagman, flags



m) Emergency Procedure for heat related illness

For heat related emergencies, emergency services will be called if the person is unconscious. If the patient is conscious, will be immediately transported to nearest hospital after advice from the first aider, the following first aid will be followed:

Disorder	Health Effects, signs & symptoms	First aid
Dizzy / Fainting	This usually happens when an individual is exposed to the heat for extended periods of time without drinking enough water. The person may temporarily lose consciousness (sometimes when rising from a seated position) this generally happens to individuals that are not used to the heat.	First aid treatment requires moving the individual to a cooler area to ret lying down preferably in a head low position. Cool water can be given if the individual is conscious. Recovery is usually swift and complete.
Heat exhaustion	Excessive sweating, extreme weakness, fatigue pale, cold clammy skin, Dizziness, headache. Nausea, vomiting. Muscle cramps, usually abdominal fast shallow breathing. Normal or slightly increased body temperature. Loss of consciousness.	• Place person in a cool shady area and do not leave him alone • Cool person rapidly with running water, cold compresses or rapid fanning. • Remove the person's outer clothing. • Provide cool drinking water if the person is alert. Do not give caffeine or alcohol. • Rest for at least 12 hours
Heat stroke	High body temperature (above **40.6°C** or above **104°F**). No sweating. Hot dry skin. Very rapid, weak pulse. Confused and irrational behavior. Convulsions, seizures. Loss of consciousness, coma.	• Immediately call for emergency medical assistance. • Place person in cool shady area and do not leave him alone. • Cool person rapidly with running water, cold compresses or rapidly fanning. • Remove the person's outer clothing. • Provide cool drinking water if the person is alert. Do not give caffeine or alcohol. • Fluids should be replaced as soon as possible, • Continue to cool body temperature until medical assistance arrives and worker can be taken to a medical facility for further treatment.

n) Bomb Threat / Regional Security Threat

To establish a clear emergency response procedure for all personnel in the event of a bomb threat, suspicious package, missile attack warning, military escalation, or any other regional security threat that may affect the construction site.

Prior to any emergency, the following precautions shall be implemented:

- Conduct security awareness training and toolbox talks for all personnel.
- Maintain strict site access control with visitor registration.
- Report any unattended bags, suspicious packages, or unusual activities immediately.
- Do not allow unauthorized personnel inside the project.
- Keep emergency contact numbers displayed at all site offices.
- Ensure evacuation routes and assembly points are clearly marked.
- Identify the nearest designated government-approved shelter or safe indoor refuge.
- Keep first aid kits, emergency lighting, communication devices, and emergency supplies readily available.
- Maintain updated personnel attendance records for headcount during emergencies.
- Ensure all supervisors have emergency communication equipment (mobile phones/radios).

If a bomb threat is received by telephone, email, written message, or verbally:

- Remain calm and do not panic.
- Keep the caller talking (if by phone) and note as much information as possible.
- Exact wording of the threat,Time of call
- Background noises
- Voice characteristics
- Caller identification (if available)
- Immediately notify:
- Project Manager
- HSE Officer
- Site Security
- Client Representative
- Inform Police and Civil Defence immediately.
- Do not activate fire alarms unless instructed by emergency authorities.
- Do not use radios or mobile phones close to any suspected explosive device.
- Await instructions from emergency services.

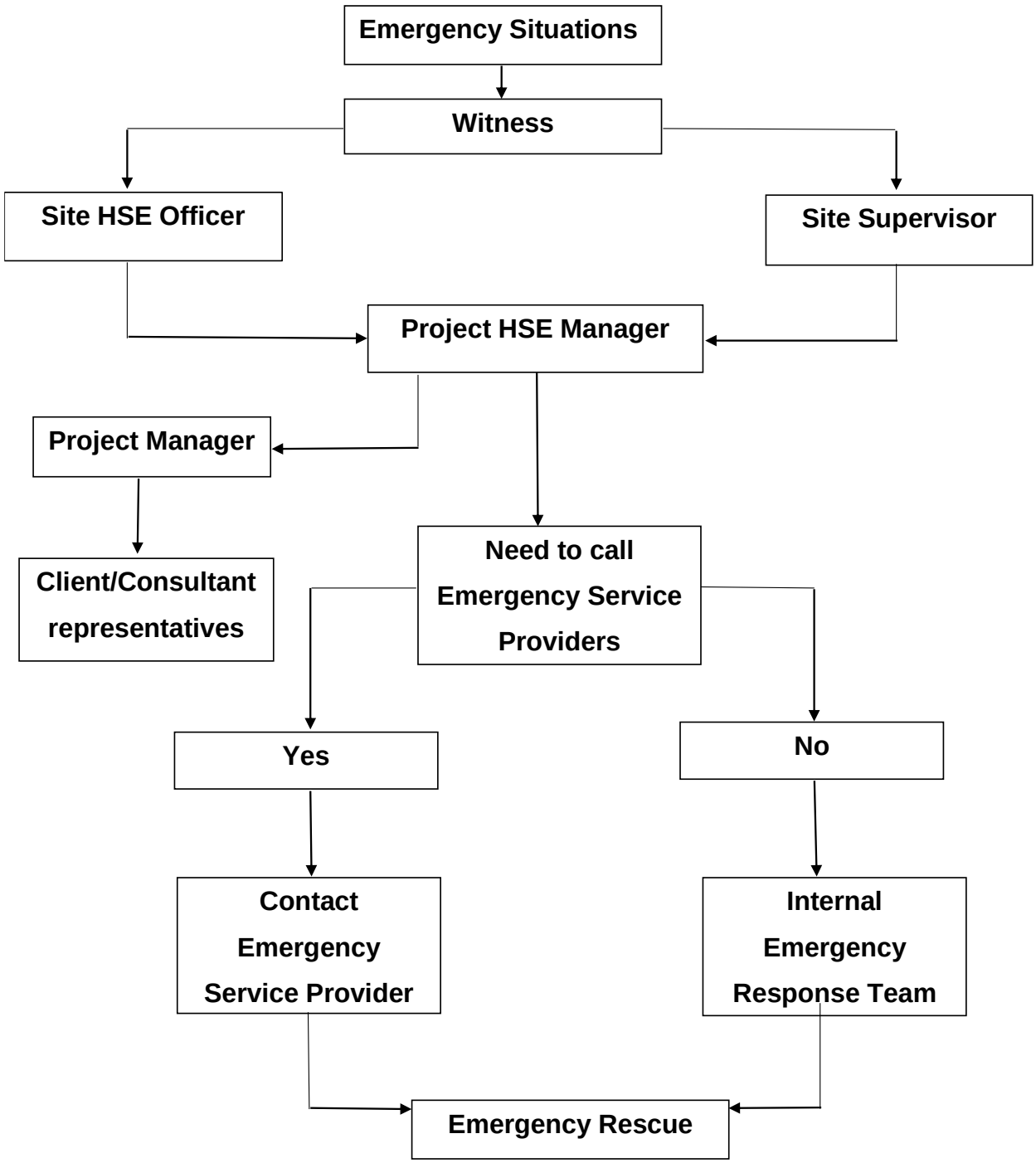
Missile Attack / Air Raid Warning Procedure

- If an official warning is received from the UAE authorities:
- Stop all work activities immediately.
- Shut down heavy equipment safely where practicable.
- Turn off generators, fuel transfer operations, and hot work.
- Proceed calmly to the designated shelter or protected indoor area.
- Stay away from:
- Windows
- Glass doors
- Scaffolding
- Cranes
- Open excavations
- Remain inside until the official "All Clear" notification is received from competent authorities.
- Do not leave the shelter without authorization.

Evacuation Procedure

- If evacuation is ordered:
- Stop all work safely.
- Leave tools and equipment behind.
- Walk calmly to the designated assembly point.
- Do not run or create panic.
- Supervisors shall conduct personnel headcount.
- Missing persons shall immediately be reported to the Incident Commander.
- No person shall re-enter the site until official clearance is received.

5.0 Emergency Management Flowchart:



6.0 SITE/OFFICE EMERGENCY EVACUATION PROCEDURES

IN CASE OF FIRE, THE FOLLOWING ACTIONS TO BE FOLLOWED IMMEDIATELY:

- Sound the alarm, inform the ERT or otherwise inform others by shouting 'Fire! Fire!' Who may be in danger?
- With the minimum of personal risk, attack the fire with the fire extinguishers provided nearby, using them as instructed.
- Arrange to remove all the flammable materials away from the fire area if possible.
- In the event which the fire cannot be extinguished or controlled:
- Move away from the area of danger to a safe area, near the emergency exit point.
- Evacuate the office through designated emergency exit routes to the **'Assembly Point'** identified for all personnel.
- Do not use any hoist/lift.
- Report to your group leader/immediate supervisor at once on your safe arrival to the assembly point for head count.
- Do not panic.
- Do not run.
- Avoid rumors. Be calm and quiet until you get further instructions.
- Know your Emergency Contact numbers, which are displayed at prominent locations of the work premises and office areas.

NEVER RETURN BACK TO THE WORK AREA WITHOUT RECEIVING ANY CLEARANCE SIGNED FROM THE ERT OR HIS REPRESENTATIVE.

7.0 TRAINING & EXERCISES

To ensure that all employees know their duties and responsibilities and what to do in case of an emergency drills shall be conducted at least once every 6 months. The EC organizes and initiates the exercise. He has been authorized by the PM to commence the exercise at any time convenient. He shall prepare an exercise scenario and will coordinate the evaluation and subsequent follow-up. To guarantee the quality of the drill, JD will cooperate with the Engineer who will witness and where necessary adjust JD method of work in case of an Emergency. The ERT will be properly trained to ensure that they understand what to do in the event of emergency.

ASSEMBLY POINTS will be pre-established and will be made known to everyone in the project. Emergency contact numbers will also display in conspicuous places.

A written report shall be prepared immediately after each drill and this shall include the scenario, the time the drill started and the time the drill ended. Comments to improve the response to the emergency drill shall be discussed to concerned team leaders, who shall be nominated by the project safety committee.

To ensure effectiveness the situation of emergency preparedness various trainings is lined up for all key and responsible persons. These are based on the program so as to meet the legal requirements, encompassing the following-

- Formulation of the specific 'Emergency Response Procedures' for Fire & Medical Emergencies.
- Achieving 100% communication of this procedure to all engaged with the activities.
- Displaying' evacuation layouts & emergency response team details.
- Compliance performance & incident reporting for first aid spaces safe use of lifting equipment's and accessories & for underground construction (Tunnels Shafts, Cofferdams, Piling etc.) respectively.
- Conducting daily verification/inspections.
- Conducting mock drill to ensure sufficiency and efficiency of this procedure.

The above program is meticulously implemented through the below trainings:

- Training awareness on the types of emergencies and roles and responsibilities of various persons involved.
- Competence training on 'confined space work and rescue procedure' to all intended to enter into the confined spaces.
- Awareness trainings on work place hazards and control to all engaged, as stated in specific 'MS & RA'.
- Specialized trainings required skill development through practical demonstrations will be provided to fire wardens, rescuers, riggers & crane operators so as to discharge their duties effectively and reliably.
- Emergency preparedness training will be provided to all employees informing the sequence of notification of emergency and awareness about 'Emergency contact numbers' provided in Appendix here to within 7 days of the work initiation.
- Practical 'Mock Emergency Drills' will be conducted at every 6 months interval to aware all employees and verify the sufficiency and efficiency of the emergency requirements.

8.0 COMMUNICATION

This section provides a description of the communications systems available and how they interface. It also provides guidance on how to respond to different alarm systems and actions that key personnel take when emergency communications have been activated.
JD will establish one clear line of communication. The list and contacts to emergency response team is provided in the telephone list, the list of emergency service providers and the emergency flowchart. This telephone list is a living document and an update will always be available on site/at the site office.

JD will communicate and display the emergency numbers and the name of the certified fire warden and first aider. JD will also communicate the emergency signage placed on assembly points.

8.1 Headcount of personnel (workplace occupants) Roll Calling:

- Timekeeper shall be in-charge of Head count/Roll calls.
- Different groups Supervisor shall report to the Timekeeper for their crew updates.
- Timekeeper shall have daily manpower allocation and updates.
- Emergency coordinator shall be in coordination with the timekeeper for managing an Emergency.
- Where necessary entry/exit log book shall be used to for headcounts.

9.0 MONITORING & INSPECTION

The implementation of this plan will be checked by the HSE Officer (EC) as per the requirements of the Project HSE Plan.

10.0 MANAGEMENT AUDIT

Regular HSE Audits will be carried out by the PM or his Representative and HSE Officer according with the Project HSE Plan. The results of these HSE audits together with the regular workplace inspections will be used in the overall evaluation of the project's safety and environmental performance.

11.0 ERP REVIEW & UPDATE

This Project Emergency Response Plan (PERP) will be updated yearly or when changes in the work activity occur which require additional emergency actions are to be implemented or because of incidents / accidents. It is the Project Manager's and or Site Manager responsibility to take the necessary steps to update the PERP according to new situations and provide updated versions.

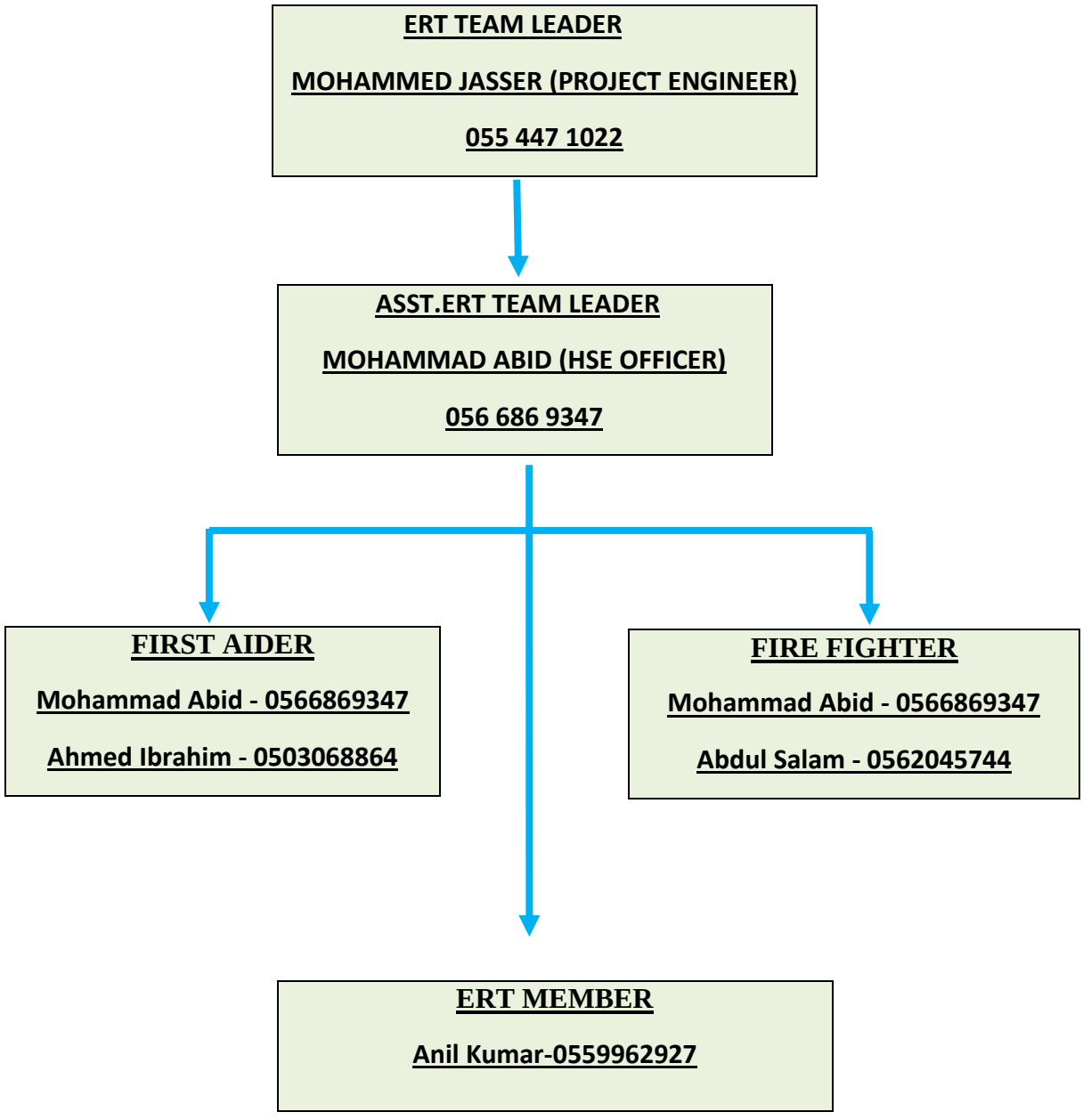
12.0 REFERENCE

- Federal Environmental Law No. 24 of 1999
- Federal Law No 8 of 1980 (covers labor relations).
- Ministerial Order No. (32) For the Year of 1982 Regarding the Determination of the ways and means to Protect Employees against Occupational Hazards
- UAE Fire and Life Safety Code, 2018
- Sharjah Prevention & Safety Authority (SPSA)
- Any other applicable Client Requirements

Appendix: 1

ERT Organization Chart

ERT ORGANIZATION CHART



Appendix: 2

Emergency Contact Numbers

POTABLE WATER SUPPLY TO JABAL AL DEEM – KALBA PACKEGE-2 PUMPING STATION

EMERGENCY CONTACT NUMBERS

S. No.	Name	Company	Designation	Contact Number
1.	Mr. AHMED AL JUAIDI	JD	PROJECT MANAGER	056-422 2833
2.	Mr. MOHAMMED JASSER	JD	PROJECT ENGINEER	055-4471022
3.	Mr. MOHAMMAD ABID	JD	HSE OFFICER (First Aider & Fire marshal)	056-6869347
4.	Mr. AHMED IBRAHIM	JD	FOREMAN	050-3068864

EXTERNAL EMERGENCY SERVICE PROVIDERS

S.NO.	DEPARTMENT	CONTACT NUMBER(S)
1.	POLICE	999
2.	AMBULANCE SERVICE	998
3.	FIRE/CIVIL DEFENCE	997
4.	SNAKE BITE	80070
5.	SHARJAH ELECTRICITY, WATER & GAS AUTHORITY (KALBA)	09-277 7349
6.	WEATHER & EARTH QUAKE	02-222 7777
7.	ETISALAT	800 2300
8.	KALBA HOSPITAL	09-277 5555
9.	ENVIRONMENT & PROTECTED AREA AUTHORITY	09-277 0382

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Appendix: 3

Key Emergency Equipment at Work Site

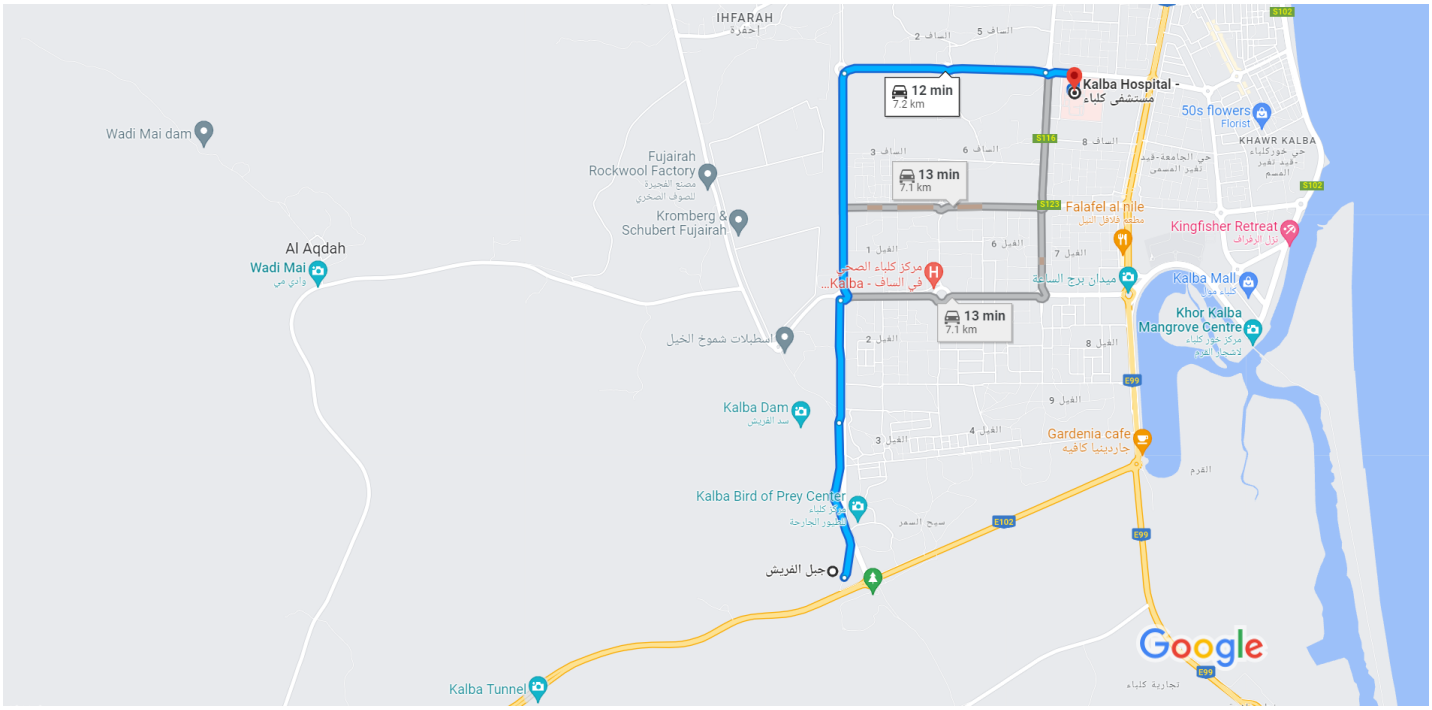
Sl.No.	PARTICULARS
1	On site Crane with operator
2	Man carrying basket, safety harnesses
3	Banksman / Riggers
4	Walkie-Talkies (If required) /Mobiles
5	Emergency coordination Team
6	Stretcher
7	First aid box
8	Trained Rescuers
9	Water Bottle
10	Emergency contact nos. displayed at work place
11	Water Trucks with motorized pump – Non-Drinking water suction
12	Manual Siren/Megaphone
13	Tripod

Google Maps

جبل الفريش, Kalba to Kalba Hospital - مستشفى كلباء,

Drive 7.2 km, 12 min

الساف 8 - Sharjah



via Ali Bin Abi Talib St/S121 — 12 min
Fastest route now due to traffic conditions — 7.2 km

via Abu Bakr Al Seddiq St/S116 — 13 min
7.1 km

via Abu Bakr Al Seddiq St/S116 and Ali Bin Abi Talib St/S121 — 13 min
7.1 km

Explore nearby Kalba Hospital - مستشفى كلباء

Restaurants Hotels Gas stations Parking Lots More

Google Maps

Wadi Almadeeq, Kalba to Kalba Hospital, Al Saaf 8 - Sharjah

Drive 15.0 km, 15 min



N

SMOKING AREA

DRAFTSMAN & D.C
(4.50m x 3.60m)

TOILET

JAZEERAH PM
(4.50m x 3.60m)

SURVEYING TOOLS ROOM
(3.15m x 3.50m)

MEETING ROOM
(7.00m x 3.60m)

D.C ROOM
(3.00m x 3.60m)

JACOBS CIVIL & MECHANICAL ROOM
(6.00m x 3.60m)

TOILET
(3.90m x 3.60m)

SMOKING AREA

EXIT

F/A

JAZ ENGINEERS
(4.50m x 3.60m)

TOILET

TOILET

JAZEERAH HSE ENGINEER & CHIEF SURVEYOR
(4.50m x 3.60m)

JACOBS ARE
(3.90m x 3.60m)

JACOBS RE
(5.00m x 3.60m)

F/A

SEWA ROOM
(3.50m x 3.60m)

KITCHEN
(3.00m x 3.60m)

F/A

F/B

EXIT

MAIN ENTRANCE

MAIN ENTRANCE

PARKING JAZEERAH VISITOR

PARKING JAZEERAH

PARKING JAZEERAH

PARKING JAZEERAH

PARKING JACOBS RE

PARKING JACOBS VISITOR

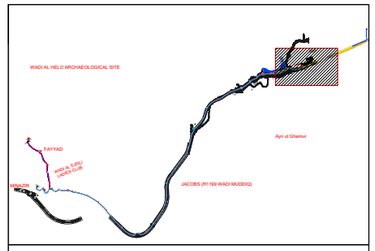
PARKING ARE

PARKING SEWA

PARKING JACOBS

Assembly Point

ENTRY / EXIT



KEY PLAN

- EMERGENCY EXIT
- ASSEMBLY POINT
- FIRST AID BOX
- FIRE EXTINGUISHER
- SMOKE DETECTOR
- SMOKING AREA
- FIRE BLANCKET
- EMERGENCY LIGHT
- FIRE ALARM (FA)

Revision	By	Checked	Approved	Date	Description
0	ALI	AJ	RE	24.08.23	ISSUED FOR APPROVAL

CLIENT

CLIENT & CONSULTANT
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إدارة كلباء
Kalba Department

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E-mail halcrow.sharjah@jacobs.com
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PROJECT

CONSTRUCTION SUPERVISION OF POTABLE WATER SUPPLY TO WADI AL HELO - KALBA

CONTRACTOR

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

DRAWING

OFFICE EMERGENCY LAYOUT PLAN AT WADI AL HELO- KALBA

Drawn by	ALI	Date: 24 AUG 2023
Checked by	AJ	Date: 24 AUG 2023
Authorised by	RE	Date: 24 AUG 2023

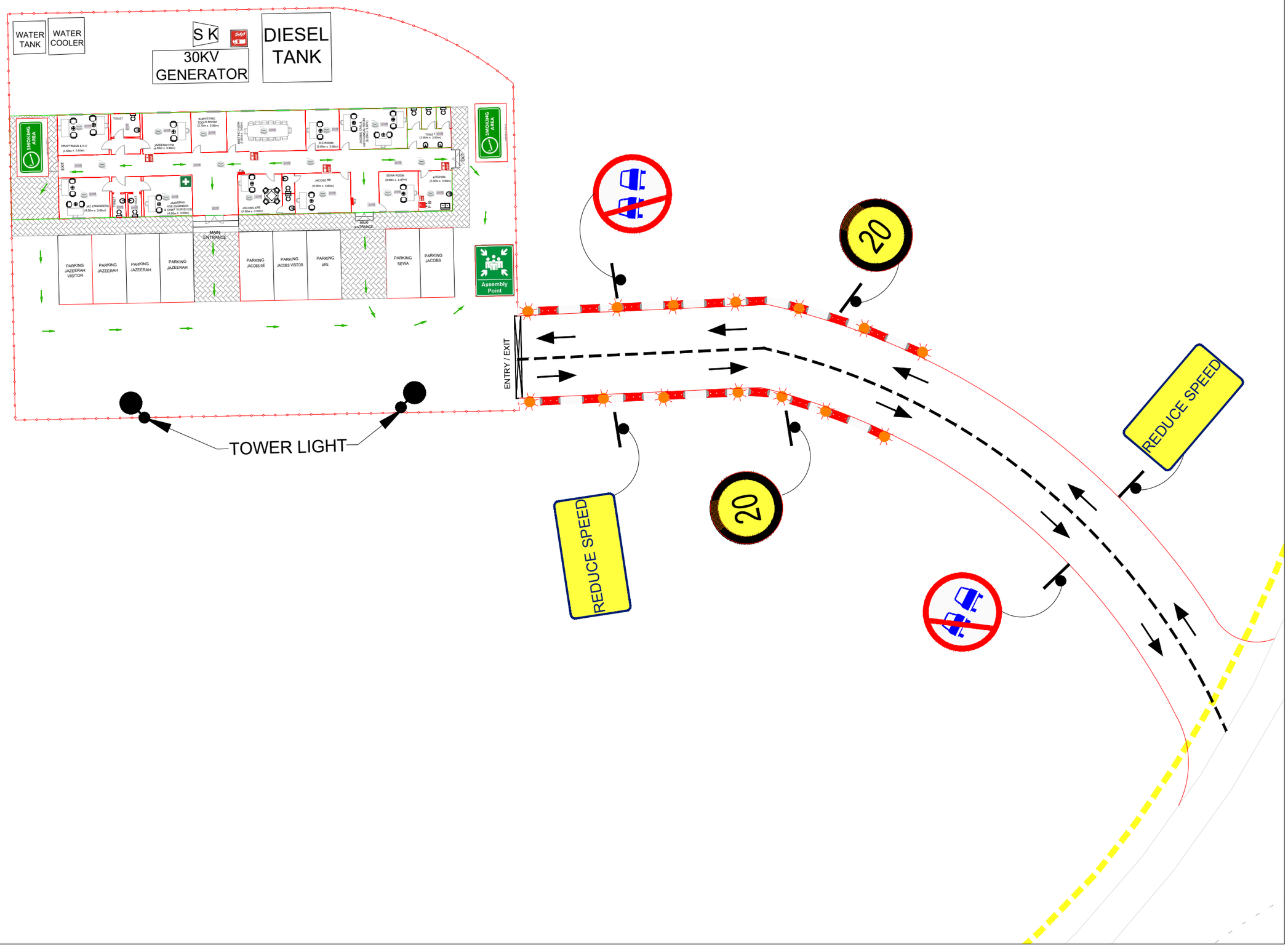
DRAWING No. JP-78-LP-SO-01

Revision 0

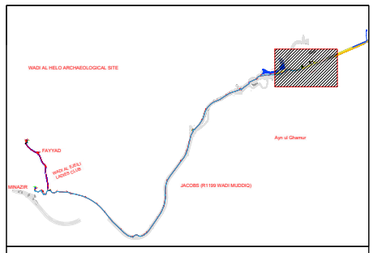
Drawing Scale: 1 : 25000

CAD filename:

Plot scale: 1:1.869



N



KEY PLAN

- EMERGENCY EXIT
- ASSEMBLY POINT
- FIRST AID BOX
- FIRE EXTINGUISHER
- SMOKE DETECTOR
- SMOKING AREA
- FIRE BLANCKET
- EMERGENCY LIGHT
- FIRE ALARM (FA)
- SPILL KIT

Revision	By	Checked	Approved	Date	Description
0	UN	AJ	RE	02.10.23	ISSUED FOR APPROVAL

CLIENT

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PROJECT

CONSTRUCTION SUPERVISION OF POTABLE WATER SUPPLY TO WADI AL HELO - KALBA

CONTRACTOR

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

DRAWING

OFFICE LOGISTIC LAYOUT PLAN AT WADI AL HELO- KALBA

Drawn by	UN	Date: 02 OCT 2023
Checked by	AJ	Date: 02 OCT 2023
Authorised by	RE	Date: 02 OCT 2023

DRAWING No. JP-78-OL-LP-WAH-01

Revision 0

Drawing Scale: 1 : 25000

CAD filename:

Plot scale: 1:1.862

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Engr. Arsalan

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FIRE MARSHALL

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Certificate No.: OP202500012005175

Job No: L70363

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Engr. Shaheenzar

KHDA Permit No. 631504

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Job No: L70363

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safety awareness training course as

FIRE MARSHAL

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START ON THIS MAY 19TH, 2026

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