Health, Safety & Environment Department

Corrective and Preventive Action Form

(FM.HSEMS.06-14)

Contact Person:	Engr. Owayedh Ayedh Al Menhali	**Audit / Finding Date:**	**14 May 2026**

Sr. No	Description of Non-Conformance (Copy from Report)	Root Cause (Reason of deficiency)	Corrective Action (Action to prevent reoccurrence)	Target Date of completion	Evidence Provided	Auditor's Comment
1	**NC-01: HSE Plan (MAJOR)** HSE plan not approved for LTRA project – D-111661/E. RA is prepared by HSE; not by Performing crew.	HSE plan is submitted to TAQA for review and approval but we did not got any comments or approval.(Communication gap). RA is prepared by CP(Attached)	HSE Plan in new format is share to TQD on dated 24.09.2026 for review and approval again.(Required continuous Follow-up) and Risk Assessment must be prepared by competent person	11-11-2026(Awaiting for TQD comments/ Approval)	HSSE Management Plan, Email to TQD, Overall Risk Assessment	
2	**NC-02: Civil Defense Approval (MINOR)** Civil Defense approval for not available for site office	The Civil Defence approval process for the site office porta cabin was not adequately monitored and coordinated during the establishment of the site office	Coordinate with the relevant authorities and the porta cabin supplier to obtain the required Certificate	Closed	Certificate of Inspection of Fire Rated Porta Cabin	
3	**NC-03: Legal & Risk Registry (MINOR)** Legal and risk registry not updated for the project	Ensuring accuracy in documentation requires	A review schedule organizes regular check-ins—such as weekly, bi-annual	Closed	Project Specific Legal Register, Overall Risk Assessment.	
4	**NC-04: Plant & Equipment (MINOR)** Equipment tracking register not available with updated monthly inspection checklist for tools and equipment used for the project	The equipment tracking register and monthly inspection checklist were not systematically maintained due to inadequate monitoring and follow-up by the responsible personnel	A comprehensive Equipment Tracking Register has been established	Closed	Equipment Checklist, Tracking Register.	

Health, Safety & Environment Department

Corrective and Preventive Action Form

(FM.HSEMS.06-14)

Contact Person:	Owayedh Ayedh Al Menhali	**Audit / Finding Date:**	**14 May 2026**

Sr. No	Description of Non-Conformance (Copy from Report)	Root Cause (Reason of deficiency)	Corrective Action (Action to prevent reoccurrence)	Target Date of completion	Evidence Provided	Auditor's Comment
5	**NC-05: Electrical System Compliance (MINOR)** Noncompliance with Electrical Safety Requirement – PAT Testing for equipment not available	Absence of a centralized asset tracking and commissioning procedure for portable electrical items.)	Create and maintain a live inventory of all portable and moveable electrical appliances across the facility, tagged with unique ID numbers and re-test due dates.	Closed	Portable Appliance Test of Demolition Hammer(Sample)	
6	**OFI1. Contractor Onboarding Requirements** Onboarding requirements for the contractor were not completed prior to execution of task.	Onboarding process was not adequately coordinated and monitored by the concerned project team.	Onboarding Checklist and approval process have been established. T	Closed	Pre mobilization Checklist and related evidences.	
7	**OFI2. Accommodation Inspection** Camp Inspection evidence not available	Camp inspections were not consistently conducted and documented as per the established HSE inspection schedule	Conducted an HSE inspection of the workers' accommodation/camp using the approved Camp Inspection Checklist.	Closed	Labour camp inspection on 21-08-26, M20	
8	**OFI3. Internal Audit** SMART Action plan not updated for internal audit report shared	The SMART Action Plan was not updated following the completion and circulation of the Internal Audit Report due to inadequate monitoring and follow-up of audit findings	The SMART Action Plan has been reviewed and updated based on all findings raised in the Internal Audit Report. A centralized Internal Audit Action Tracker shall be maintained to monitor all audit findings and corrective actions.	Closed	Nonconformity and corrective action Report for latest Internal audt(Sample), Internal Audit Tracking for NC	

TAQA Distribution	**Health, Safety & Environment Department** **Corrective and Preventive Action Form** **(FM.HSEMS.06-14)**

Contact Person:	Owayedh Ayedh Al Menhali	**Audit / Finding Date:**	**14 May 2026**

Sr. No	Description of Non-Conformance (Copy from Report)	Root Cause (Reason of deficiency)	Corrective Action (Action to prevent reoccurrence)	Target Date of completion	Evidence Provided	Auditor's Comment
9	**OFI4. Target & objectives** SMART target and objective compiling with TQD requirements are not set for the project	The project team did not adequately review and incorporate the applicable TQD HSE KPI requirements into the project-specific HSE objectives and targets.	Project-specific HSE objectives and SMART targets have been prepared and updated in line with TQD HSE requirements and KPIs. A mandatory review of TQD HSE requirements and KPIs will be included during project HSE planning and mobilization.	Closed	Incorporated QHSE Targets and objectives as per TQD	
10	**OFI5. Management Review** Evidence for management review and commitment through meetings and Walkthrough not available.	The Management review meeting available; however, the responsible person was not adequately prepared to present the required records during the audit. The senior management HSE site walkthrough was conducted but not formally documented	A management review meeting was conducted with senior management, Project Manager and HSE personnel to review project HSE performance. Minimum 2 visit mandatory as per TAQA KPIs 2026	Closed	Latest Management Review meeting and Senior management Walkthrough report.	
11	**OFI6. AED** AED is not available for project with trained personnel certification	The AED and trained personnel certification were available; however, the responsible person was not adequately prepared to present the required emergency preparedness records during the audit.	The AED availability was physically verified at the project site, and the relevant trained personnel certificates were retrieved and submitted to the auditor for verification.	Closed	AED availability evidence and Trained personnel records.	

Health, Safety & Environment Department

Corrective and Preventive Action Request Form (FM.HSEMS.06-11)

Corrective and Preventive Action Request Form				
Audit No.	CA-SH-May01	Date	19 Oct 2026	
NC No.	03	Applicable Standard*	☑HSEMS	
Department	HSE	Element		
		Procedure No.		
NC Description:				
Legal and risk registry not updated for the project				
☐ Observation		☑ Minor NC	☐ Major NC	
Auditor's Signature Emp No.		Auditee Signature		
Root Cause (to be filled by Auditee)		Ensuring accuracy in documentation requires		
Does procedure need modification?		☐ Yes	☐ No	
Proposed Corrective / Preventive Action (to be filled-in by auditee/inspector)				
A review schedule organizes regular check-ins—such as weekly, bi-annual				
NC & Proposed Corrective / Preventive Action Accepted	☐ Yes ☐ No	Auditee's Signature		
Agreed Completion Date:		Emp. No.		
AUDITOR / AUDITEE / INSPECTOR				

(Status Review on NC)
(To be filled in by HSE Department only)

Details

Revised date of completion	1st Extension	2nd Extension	3rd Extension	4th Extension
Signature Emp. No.				

Health, Safety & Environment Department

Corrective and Preventive Action Request Form (FM.HSEMS.06-11)

Corrective and Preventive Action Request Form				
Audit No.	CA-SH-May01	Date	19 Oct 2026	
NC No.	01	Applicable Standard*	☑HSEMS	
Department	HSE	Element		
		Procedure No.		
NC Description:				
HSE plan not approved for LTRA project – D-111661/E. RA is prepared by HSE; not by performing crew.				
☐ Observation		☐ Minor NC	☑ Major NC	
Auditor's Signature Emp No.		Auditee Signature		
Root Cause (to be filled by Auditee)		HSE plan is submitted to TAQA for review and approval but we did not got any comments or approval.(Communication gap). RA is prepared by CP(Attached)		
Does procedure need modification?		☐ Yes	☐ No	
Proposed Corrective / Preventive Action (to be filled-in by auditee/inspector)				
HSE Plan in new format is share to TQD on dated 24.09.2026 for review and approval again.(Required continuous Follow-up) and Risk Assessment must be prepared by competent person				
NC & Proposed Corrective / Preventive Action Accepted	☐ Yes ☐ No	Auditee's Signature		
Agreed Completion Date:		Emp. No.		
AUDITOR / AUDITEE / INSPECTOR				

(Status Review on NC)
(To be filled in by HSE Department only)

Details

Revised date of completion	1st Extension	2nd Extension	3rd Extension	4th Extension
Signature Emp. No.				

Health, Safety & Environment Department

Corrective and Preventive Action Request Form (FM.HSEMS.06-11)

Corrective and Preventive Action Request Form				
Audit No.	CA-SH-May01	Date	19 Oct 2026	
NC No.	02	Applicable Standard*	☑HSEMS	
Department	HSE	Element		
		Procedure No.		
NC Description:				
Civil Defence approval for not available for office				
☐ Observation		☑ Minor NC	☐ Major NC	
Auditor's Signature Emp No.		Auditee Signature		
Root Cause (to be filled by Auditee)		The Civil Defence approval process for the site office porta cabin was not adequately monitored and coordinated during the establishment of the site office		
Does procedure need modification?		☐ Yes	☐ No	
Proposed Corrective / Preventive Action (to be filled-in by auditee/inspector)				
Coordinate with the relevant authorities and the porta cabin supplier to obtain the required Certificate				
NC & Proposed Corrective / Preventive Action Accepted	☐ Yes ☐ No	Auditee's Signature		
Agreed Completion Date:		Emp. No.		
AUDITOR / AUDITEE / INSPECTOR				
(Status Review on NC) (To be filled in by HSE Department only) **Details**				

Revised date of completion	1st Extension	2nd Extension	3rd Extension	4th Extension
Signature Emp. No.				

Health, Safety & Environment Department

Corrective and Preventive Action Request Form (FM.HSEMS.06-11)

Corrective and Preventive Action Request Form				
Audit No.	CA-SH-May01	Date	19 Oct 2026	
NC No.	04	Applicable Standard*	☑HSEMS	
Department	HSE	Element		
		Procedure No.		
NC Description:				
Equipment tracking register not available with updated monthly inspection checklist for tools and equipment used for the project				
☐ Observation		☑ Minor NC	☐ Major NC	
Auditor's Signature Emp No.		Auditee Signature		
Root Cause (to be filled by Auditee)		The equipment tracking register and monthly inspection checklist were not systematically maintained due to inadequate monitoring and follow-up by the responsible personnel		
Does procedure need modification?		☐ Yes	☐ No	
Proposed Corrective / Preventive Action (to be filled-in by auditee/inspector)				
A comprehensive Equipment Tracking Register has been established				
NC & Proposed Corrective / Preventive Action Accepted	☐ Yes ☐ No	Auditee's Signature		
Agreed Completion Date:		Emp. No.		
AUDITOR / AUDITEE / INSPECTOR				
(Status Review on NC) (To be filled in by HSE Department only) **Details**				

Revised date of completion	1st Extension	2nd Extension	3rd Extension	4th Extension
Signature Emp. No.				

Health, Safety & Environment Department

Corrective and Preventive Action Request Form (FM.HSEMS.06-11)

Corrective and Preventive Action Request Form				
Audit No.	CA-SH-May01	Date	19 Oct 2026	
NC No.	05	Applicable Standard*	☑HSEMS	
Department	HSE	Element		
		Procedure No.		
NC Description:				
Non compliance with Electrical Safety Requirement – PAT Testing for equipment not available.				
☐ Observation		☑ Minor NC	☐ Major NC	
Auditor's Signature Emp No.		Auditee Signature		
Root Cause (to be filled by Auditee)		Absence of a centralized asset tracking and commissioning procedure for portable electrical items.)		
Does procedure need modification?		☐ Yes	☐ No	
Proposed Corrective / Preventive Action (to be filled-in by auditee/inspector)				
Create and maintain a live inventory of all portable and moveable electrical appliances across the facility, tagged with unique ID numbers and re-test due dates.				
NC & Proposed Corrective / Preventive Action Accepted	☐ Yes ☐ No	Auditee's Signature		
Agreed Completion Date:		Emp. No.		
AUDITOR / AUDITEE / INSPECTOR				

(Status Review on NC)
(To be filled in by HSE Department only)

Details

Revised date of completion	1st Extension	2nd Extension	3rd Extension	4th Extension
Signature Emp. No.				

Applicable period: January–December 2026

OBJECTIVES	TARGETS/KPIs	ACTION PLANS
1. Customer satisfaction and quality performance		
Consistently meet customer requirements and achieve customer satisfaction.	100% completion of projects as per approved contractual requirements and agreed schedule.	Identify and review customer requirements before commencement of work. Conduct regular client coordination meetings. Monitor project progress at all stages.
	100% of customer complaints acknowledged within 2 working days.	Maintain customer complaint register and establish a communication channel for receiving complaints and inquiries.
	100% of complaints resolved within 5 working days or an agreed corrective-action timeframe.	Investigate complaints, identify root causes, implement corrective actions and monitor closure.
	Customer satisfaction evaluated at least annually.	Conduct customer satisfaction surveys, analyses feedback and identify improvement opportunities.
	100% compliance with approved drawings, specifications and quality requirements.	Conduct inspections, testing and verification in accordance with approved ITPs, project specifications and applicable standards.
2. Promote and strengthen quality culture within the organization		
OBJECTIVES	**TARGETS/KPIs**	**ACTION PLANS**
Promote quality awareness and competence at all organizational levels.	100% of relevant employees receive applicable quality awareness training annually.	Prepare and implement an annual quality training programme.
	100% implementation of applicable quality procedures and documented information.	Establish, implement and maintain the Quality Management System in accordance with ISO 9001:2015.
	Minimum one quality performance review during management review meetings annually.	Communicate quality policy, objectives, procedures and responsibilities to employees.
	100% of identified quality non-conformities recorded and corrective actions monitored.	Conduct internal quality audits, identify non-conformities and monitor corrective-action effectiveness.

	Continuous improvement in quality performance.	Promote employee participation, quality awareness, good housekeeping and lessons learned.

3. Occupational health and safety performance – TQD KPI 2026(Priority Objective-TQD 2026

OBJECTIVES	TARGETS/KPIs	ACTION PLANS
Maintain a safe and healthy working environment at offices and project sites.	100% employee, subcontractor and relevant visitor awareness of applicable HSE requirements.	Implement the approved HSE Plan, HSE procedures, risk assessments and safe systems of work. Conduct HSE induction and toolbox talks.
Prevent fatalities and Lost Time Injuries (LTI).	Zero LTI throughout 2026.	Implement hazard identification, risk assessment, PTW, LOTO, supervision, inspections and preventive controls.
Reduce Total Recordable Incident Rate (TRIR).	TRIR ≤ 0.06, measured quarterly.	Monitor incidents, man-hours, trends and corrective actions. Review HSE performance quarterly.
Reduce Road Traffic Accidents (RTA).	Minimum 30% reduction in RTA compared with 2025.	Implement defensive driving awareness, vehicle inspections, driver competency verification and journey management.
Ensure timely reporting of all incidents.	100% timely reporting of incidents in accordance with TQD reporting requirements.	Establish incident reporting and investigation procedures. Ensure immediate notification and submission of required reports within applicable timelines.
Improve near-miss reporting.	Minimum one near-miss report per quarter.	Encourage employees to report near misses, investigate causes and communicate lessons learned.
Improve unsafe act and unsafe condition reporting.	Minimum one unsafe act/unsafe condition report per working day per competent person.	Conduct site inspections, safety observations and regular workforce engagement. Record reports through the applicable TQD reporting system.
Encourage workforce participation in HSE reporting.	At least 50% of near-miss, unsafe act and unsafe condition reports submitted by non-HSE personnel.	Encourage engineers, supervisors, foremen, technicians and workers to participate in proactive HSE reporting.
Improve Permit to Work (PTW) compliance.	Minimum 4 PTW audits per month.	Conduct documented PTW audits, verify permit conditions, isolations, approvals and associated risk controls.
Improve risk assessment implementation.	Minimum 4 risk assessment reviews per week.	Review activity-specific risk assessments, verify site implementation and update controls whenever work conditions change.
Maintain effective HSE Plan implementation.	Minimum 2 HSE Plan audits per year and annual revision.	Audit implementation of the approved HSE Plan, identify gaps and update the plan based on project and client requirements.
Review high-risk activities and HAZID.	HAZID/high-level scope risk assessment review at least twice per year.	Review significant hazards, project changes, high-risk activities and additional risk control measures.

Strengthen management safety leadership.	Minimum 2 Project Management Team (PMT) safety walks per month.	Conduct documented management walkthroughs, record observations, assign responsibilities and monitor close-out.
Promote positive safety reporting.	Positive safety observation reporting to demonstrate an improving quarter-on-quarter trend.	Encourage reporting of positive safety practices and recognize employees demonstrating safe behaviour.
Improve behavioural safety.	Minimum one documented behaviour-based safety self-verification annually	Conduct behavioural safety verification and review employee compliance with established safety procedures.

4. HSE training, competency and emergency preparedness

OBJECTIVES	TARGETS/KPIs	ACTION PLANS
Improve employee HSE competency and awareness.	100% of employees receive HSE induction before commencing work.	Conduct induction, refresher training, toolbox talks and task-specific training. Maintain training records.
Ensure competency of personnel performing safety-critical activities.	100% verification of required qualifications, competency certificates and authorizations before deployment.	Verify operator, rigger, banksman, electrician, first aider and other relevant competency documents.
Maintain medical fitness compliance.	100% valid medical fitness certificates for personnel where required.	Maintain a medical fitness register and monitor expiry dates.
Improve emergency preparedness.	100% implementation of the approved emergency response arrangements and scheduled drills.	Conduct emergency mock drills, evaluate performance, record findings and implement corrective actions.
Deliver TQD monthly HSE campaigns.	100% completion of applicable scheduled monthly campaigns with attendance, evidence and close-out records.	Conduct the campaigns according to the TQD 2026 calendar.

TQD 2026 monthly HSE campaign programme:

Month	HSE Campaign
April	**Slip, Trip and Fall Prevention**
May	**Hand Injury Prevention**
June-Sep	**Heat Illness Prevention**
July	**Excavation Safety and Emergency Response**
August	**Work at Height and Emergency Response**
September	**Confined Space and Emergency Response**
October	**Lifting Safety**

November	**Electrical Isolation Safety**
December	**Road Safety**

5. Environmental protection and conservation of natural resources

OBJECTIVES	TARGETS/KPIs	ACTION PLANS
Reduce electricity consumption and greenhouse gas emissions.	Reduce electricity consumption by at least 3% compared with the previous quarter's baseline, subject to comparable operating conditions.	Conduct energy conservation awareness. Switch off lights, PCs and equipment when not in use. Monitor electricity bills and maintain electrical equipment.
Reduce water consumption.	Reduce water consumption by at least 3% compared with the previous quarter's baseline, subject to comparable operating conditions.	Conduct water conservation awareness, inspect water lines, repair leaks and monitor monthly consumption.
Monitor and reduce fuel consumption.	Reduce fuel consumption by at least 2% compared with the previous quarter's baseline, subject to comparable operating conditions.	Promote carpooling, fuel-efficient driving, vehicle maintenance and monitoring of fuel consumption records.
Reduce paper consumption.	Reduce bond paper consumption from 3 reams to a maximum of 2 reams per department per month.	Promote electronic documentation, double-sided printing, paper recycling and online filing systems.
Improve waste management and environmental awareness.	100% compliance with applicable waste segregation and disposal requirements.	Provide labelled waste bins, conduct environmental awareness and ensure disposal through approved waste management arrangements.
Prevent environmental pollution.	Zero major environmental incidents resulting from company activities.	Implement environmental risk assessments, spill prevention measures, proper chemical storage and regular site inspections.

6. Continual improvement of IMS performance

OBJECTIVES	TARGETS/KPIs	ACTION PLANS
Continually improve the effectiveness of the Integrated Management System.	100% implementation of approved IMS policies, objectives and applicable procedures.	Review and update the IMS documentation in accordance with ISO 9001, ISO 14001, ISO 45001 and applicable client requirements.
Monitor QHSE performance.	QHSE performance reviewed at least quarterly.	Monitor quality, environmental and HSE KPIs and prepare periodic performance reports.
Conduct effective internal audits.	100% completion of the approved annual internal audit programme.	Prepare an annual audit schedule and conduct audits covering all applicable IMS processes and project activities.

Conduct management reviews.	Minimum one formal management review meeting annually.	Review IMS performance, customer satisfaction, audit findings, risks, opportunities and improvement actions.
Ensure effective corrective actions.	100% of identified non-conformities recorded, assigned and monitored for closure within agreed timelines.	Conduct root cause analysis, implement corrective and preventive measures and verify effectiveness.
Improve employee competency.	100% implementation of identified training and competency requirements according to the approved training plan.	Conduct training needs assessments, provide relevant training and evaluate effectiveness.
Improve legal and regulatory compliance.	100% identification and evaluation of applicable legal, regulatory and client requirements.	Maintain an updated legal register, conduct compliance evaluations and monitor changes in applicable requirements.
Improve subcontractor HSE performance.	100% implementation of applicable subcontractor HSE requirements.	Conduct subcontractor assessments, induction, inspections, and performance monitoring and periodic evaluations.

Prepared By:



Ravinder Singh Jaswal

(HSE Engineer)

Reviewed By:



Saddam Masood
(Project Engineer)

Approved By:



Tariq Badran
(Project Manager)

Project HSSE Management Plan

Project HSSE Management Plan

Reversion No:	04	**Issue Date:**	19.08.2026
Contract #:	D-111661/E	**Renew Date:**	19.08.2026
Consultant Name:	N/A		
Contractor Name:	**FALCON MIDDLE EAST CONTRACTING & GENERAL MAINTENACE**		
Project description:	Project Title: Long Term Rate Agreement for Supply and Installation of Underground Cable, Electrical Distribution Equipment, OHL and allied works in Abu Dhabi Central & Eastern Region (LOT 1).		
Remarks:			

REV.	DATE OF SUBMISSION	REVISION DESCRIPTION	ISSUED BY (Contractor's)	CHECKED BY (Contractor's)	APPROVED BY (Contractor's)	Client APPROVED
REV 00	10.06.2024	Submit For Review	Ravinder Singh (HSE Engr.)	Tareq Badran (Project Manager)	Mohammad AL shaer General Manager	Engr. Owayedh Al Menhali
REV 01	20.08.2024	Submit For Review	Ravinder Singh (HSE Engr.)	Tareq Badran (Project Manager)	Mohammad AL shaer General Manager	Engr. Owayedh Al Menhali
REV 02	20.08.2025	Submit For Review	Ravinder Singh (HSE Engr.)	Tareq Badran (Project Manager)	Mohammad AL shaer General Manager	Engr. Owayedh Al Menhali
REV 03	27.07.2026	Submit For Review	Ravinder Singh (HSE Engr.)	Tareq Badran (Project Manager)	Mohammad AL shaer General Manager	Engr. Owayedh Al Menhali
REV 04	23.08.2026	Submit For Review	Ravinder Singh (HSE Engr.)	Tareq Badran (Project Manager)	Mohammad AL shaer General Manager	Engr. Owayedh Al Menhali

Amendment Summary:

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1. REFERENCES INCLUDING DEFINITIONS & ABBREVIATIONS

Sr.#	Document Number	Title/Description
LEGAL REQUIREMENTS		
1	**UAE Federal Law No. 33** of 2021 on the Regulation of Labour Relations in the Private Sector	Employers must provide a safe work environment; handle occupational health & safety; medical screening; safety gear.
2	**Ministerial Resolution No. 44 of 2022**	Provides specific requirements for occupational safety and health; includes mandatory risk assessments, emergency preparedness, etc.
3	**Decree No. 42 of 2009** concerning the Environment, Health and Safety Management System (EHSMS) in the Emirate of Abu Dhabi	Establishes the requirement for organizations (entities) to have an EHSMS system in place; sets the framework (ADOSH-SF) for EHS in Abu Dhabi
4	Abu Dhabi Occupational Safety and Health System Framework (ADOSH SF v 4.0).	Managed by the Abu Dhabi Public Health Center (ADPHC)
5	The Midday Break law in the UAE has been in effect **since 2004**. Currently Ministerial Resolution No.(44) of 2022, Article (3)	Prohibition of working under direct sunlight or in open spaces during specified summer hours (typically 12:30 PM to 3:00 PM) June 15 to September 15, every Year.
6	Law No. 23 of 2005(Abu Dhabi)	Employers must provide health insurance and medical check-ups
7	Regulatory bodies	Abu Dhabi Public Health Center (ADPHC) Ministry of Human Resources & Emiratisation (MoHRE) Abu Dhabi Municipality (for construction) Abu Dhabi Department of Energy (DoE)
INTERNATIONAL CODE, STANDARDS AND SPECIFICATION		
1	**ISO 45001:2018**	Occupational health and safety management systems (replaces OHSAS 18001).
2	**ISO 14001 :2015**	Environmental Management Systems.
3	**ISO 31000 :2015**	Risk Management Guidelines.
ADOSH		
1	Element-1	Roles, Responsibilities and self regulation
2	Element -2	Risk Management
3	Element -3	Management of contractor
4	Element-4	Communication and consultation
5	Element-5	Training, Awareness and competency
6	Element -6	Emergency Management
7	Element-7	Monitoring, investigation and Reporting
8	Element-8	Audit and inspection
9	Element-9	Compliance and Management Review
10	Mechanism 1.0	The Integration of OSH Requirements in the Emirate of Abu Dhabi
11	Mechanism 2.0	ADOSH-SF Administration
12	Mechanism 3.0	Identification, Assessment and Nomination of Entities
13	Mechanism 4.0	OSHMS Submission, Review and Approval
14	Mechanism 5.0	OSH Requirements for Medium Risk Entities
15	Mechanism 6.0	OSH Performance Monitoring & Reporting
16	Mechanism 9.0	Appointment of Principal Contractor for “Construction Work”
17	Mechanism 10.0	Request to Develop or Update ADOSH-SF Document

18	Mechanism 11.0	Incident Notification, Investigation and Reporting
19	Mechanism 12.0	Notification Requirements for OSH Awareness Activities
20	CoP 2.0	Personal Protective Equipment
21	CoP 3.0	Occupational Noise
22	CoP 3.1	Vibration
23	CoP 4.0	First Aid and Medical Emergency Treatment
24	CoP 5.0	Occupational Health Screening and Medical Surveillance
25	CoP 8.0	General Workplace Amenities
26	CoP 11.0	Safety in Heat
27	CoP 13.0	Violence in the workplace
28	CoP 14.0	Manual Handling and Ergonomics
29	CoP 15.0	Electrical Safety
30	CoP 17.0	Safety Signage and Signals
31	CoP 21.0	Permit to Work Systems
32	CoP 22.0	Barricading of Hazards
33	CoP 23.0	Working at Heights
34	CoP 24.0	Lock-out / Tag-out
35	CoP 25.0	Driver Fatigue Prevention
36	CoP 27.0	Confined Spaces
37	CoP 28.0	Hot work Operation
38	CoP 29.0	Excavation Work
39	CoP 33.0	Working On or Adjacent to a Road
40	CoP 34.0	Safe Use of Lifting Equipment and Lifting Accessories
41	CoP 35.0	Portable Power Tools
42	CoP 37.0	Ladders
43	CoP 39.0	Overhead and Underground Services
44	CoP 53.1	OSH Construction Management Plan
45	CoP 54.0	Waste Management
46	Technical Guideline, ADOSH v 4.0	A Technical Guideline provides non-mandatory information and guidance on how to achieve a requirement as defined in the ADOSH-SF
TAQA Policies and Procedures		
1	TDBL-HS-B-S-001	TAQA T&D 12 Essential Safety Rules
2	TDBL-HS-B-S-005	Minimum HSE requirement for contractors
3	TDBL-HS-B-S-006	**TAQA T&D Safety Documents Standard** **ADDENDA:-** (1) Addendum A - Job Description for Key Safety Document Roles (2) Addendum B - Technical Interview Guideline (3) Addendum C - On-Site Safety Document Audit Checklist (4) Addendum D - Sanction for Test Safety Document (5) Addendum E - Limited Access Permit Safety Document (6) Addendum F - Permit to Work (7) Addendum G - Live Work Declaration Form (8) Addendum H - LOTO Practices Minimum Expectations (9) Addendum I - Emergency Management Workflow (10) Addendum J - LOTO Audit Checklist Template (11) Addendum K - LMRA & Workers Register (12) Addendum L - Radiography Safety Document (13) Addendum M - Working at Height Checklist (14) Addendum N - Scaffold Inspection Checklist (15) Addendum O - Diving Checklist

		(16) Addendum P - Lifting Checklist (17) Addendum Q - Confined Space Safety Document (18) Addendum R - Confined Space Entrant Log sheet (19) Addendum S - Excavation Safety Document (20) Addendum T - Hot Work Safety Document
4	TDBL-HS-B-S-007	**TAQA T&D Permit to Work in Capital Projects** **ADDENDA:-** (1) Addendum : A – Permit to Work(PTW) Audit Checklist (2) Addendum : B – Radiography Permit To work (3) Addendum : C – Working at Height Permit (4) Addendum : D – Scaffold Inspection Checklist (5) Addendum : E – Lifting Permit (6) Addendum : F – Driving Work Permit (7) Addendum : G- Confined Space Permit (8) Addendum : H – Excavation Permit to Work (9) Addendum : I – Hot work Permit (10) Addendum : J- Last Minute Risk Assessment and Workers Register(TOOLBOX TALK)
5	TDBL-HS-C-S-003	Management of Change Procedure
6	ST.HS.01	TQD Essential Safety Rules
7	OP.HS.05	HSE Risk management procedure
8	OP.HS.06	Incident Reporting and Investigation Procedure
9	OP.HS.07	HSE Communication and Stakeholder Awareness
10	OP.HS.12	Personal Protective Equipment Procedure
11	OP.HS.13	Hot Work Procedure
12	OP.HS.14	Lock Out Tag Out Procedure
13	OP.HS.15	Excavation Procedure
14	OP.HS.17	Diving Safety Procedure
15	OP.HS.18	Lifting Procedure
16	OP.HS.19	Confined Space Entry and Monitoring Procedure
17	OP.HS.20	Hazard Demarcation, Zone Access and Safety Signage Procedure
18	OP.HS.21	Working at Height Procedure
19	OP.HS.22	Safe Use of Power Tools Procedure
20	OP.HS.23	Manual Handling Procedure
21	OP.HS.24	Hazardous Substances Safety Procedure
22	OP.HS.25	Warehousing and Storage Safety Procedure
23	OP.HS.26	Working in Adverse Weather Procedure
24	OP.HS.27	Office Safety Procedure
25	OP.HS.28	Safe work on Roads Procedure
26	OP.HS.32	Management Of Change Procedure
27	OP.HS.	HSE Emergency Management Procedure
PROJECT SPECIFIC DOCUMENTS		
1		Project HSSE Management Plan
2		Method of Statement and Risk Assessment
3		Emergency Rescue Plan

DISTRIBUTION LISTS:

Copy No.	Controlled Copy Holder Name	Position	Location	Contact No / Email
1	Engr .Owayedh Ayedh Al Menhali	Project Manager	TAQA	02-4163390 050-1123835 050-4200202
2	M. Al Shaer	General Manager	Main Office	050-213-3753
3	Tareq Badran	Project Manager	Main Office	050-899-3159
4	Saddam Masood	Project Engineer	Site Office	054-726-4849
5	Ravinder singh Jaswal	HSE Engineer	Site Office	050-851-3117

2. GLOSSARY

Abbreviations

COE	Commitment to Operational Excellence
HSE	Health and Safety
HSSE	Health Safety Security Environment
KPI	Key Performance Indicator
TQD	TAQA Distribution
TAQA	Abu Dhabi National Energy Company
OpCo	OpCo Operating Company (Refers to T&D OpCos: AADC, ADDC, and TRANSCO)
TAQA T&D	TAQA Transmission & Distribution Business Line
FME LLC	FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE LLC
ADOSH	Abu Dhabi Occupational Safety and Health System Framework COP
HSE	Health, Safety and Environment
RACI	Responsible, Accountable, Consulted, Informed
ALARP	As Low as Reasonably Practicable
COP	Code of Practice
COSHH	Control of Substances Hazardous to Health
DSI	Distribution Safety Instruction
HDD	Horizontal Directional Drilling
EAD	Environmental Agency Abu Dhabi
JSA	Jobs Safety Analysis
ISO	International Standard Organization
LAP	Limited Access Permit
SFT	Sanction For Test
MSDS	Material Safety Data Sheet
NDRC	Non-Disruptive Road Crossing
PTW	Permit to Work
PPE	Personal Protective Equipment
SSR	System Safety Rules
TAQA	Abu Dhabi National Energy Company
SDS	Safety Data Sheet
MFC	Medical Fitness Certificate
AADC	Al Ain Distribution Company
ADDC	Abu Dhabi Distribution Company
AP	Authorized Person
BP	Business Partner
CEO	Chief Executive Officer
CP	Competent Person

CN	Control Person
HV	High Voltage
JSA	Job Safety Analysis
LAP	Limited Access Permit
LMRA	Last Minute Risk Assessment
LOTO	Lock-Out-Tag-Out
LV	Low Voltage
MS	Management System
NOC	No Objection Certificate
O&M	Operations & Maintenance
OSHA	The Occupational Safety and Health Administration
RACI	Responsible, Accountable, Consulted, Informed
RISSP	Record for Inter-System Safety Precautions
SD	Shut Down
SFT	Sanction for Test
SOP	Standard Operating Procedure
SSR	System Safety Rules
TCN	Transmission Control Person

Terms

Sr. No.	Terminology	Definitions
1	Contract	A formal obligation between parties, regardless of payment type (i.e., lump sum, unit price, time, and materials, or cost plus), that is enforceable by law; an agreement between parties to furnish goods and/or services in return for compensation.
2	Contractors	External suppliers of the required works or services with TAQA D. The term "Contractor" implies all tiers of Contractor (Project Consultants, Principal Consultants, Primary Contractors, Main Contractors, and all Sub-Contractors).
3	Contractor Employee	A person employed by a Contractor to carry out work under the terms of a contract
4	**Company/Contractor**	Falcon Middle East Contracting and General Maintenance (FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE LLC)
5	**Customer/client**	Means a firm or person having a contractual agreement with, or receiving any product or service from, TAQA Distribution, TAQA Transmission, or (Transco) ETC
6	**HSEP**	HSEP means Health, Safety, Security and Environment Plan, prepared in compliance with Abu Dhabi Occupational Safety and Health System Framework (ADOSH-SF) and TAQA Distribution Health, Safety and Environment standard
7	**Service**	Service means all electrical installation works, maintenance, repairs, preventive maintenance, and replacement of consumables or faulty/worn component
8	**Site/Worksite**	Site means any location where FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE LLC LLC provides services, including supply, installation, repair, maintenance, testing, and commissioning,

9	**Supplier**	Supplier / Contractor means any organization or person providing products or services to FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE LLC
10	**Procedure**	procedure means a specified method to carry out an activity or process
11	**Corrective Action**	means an action taken to eliminate the cause of a detected non-conformity or undesirable situation
12	**Preventive Action**	Preventive Action means an action taken to eliminate the cause of a potential non-conformity or other undesirable situation
13	**Record**	Record means a document that states result achieved or provides evidence of activities performed
14	**Work Environment**	means the set of conditions under which work is performed
15	**Effectiveness**	means the extent to which planned activities are implemented and planned results are achieved
16	**Continual Improvement**	Recurring activity to increase the ability to fulfill requirements. It's a process of enhancing the system to achieve improvements in overall performance in line with the organization's policy. The process need not take place in all areas of activity simultaneously.
17	**Environment**	means the surroundings in which an organization operates, including air, water, land, natural resources, flora, fauna, humans, and their interrelations. This includes conditions from within the organization to the wider global system.
18	**Occupational Health and Safety**	The conditions and factors that affect the wellbeing of employees, temporary workers, contractor personnel, visitors, and any other persons at the workplace
19	**Environmental Aspect**	Means an element of an organization's activities, products, or services that can interact with the environment
20	**Environmental Impact**	Means any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's environmental aspects
21	**Accident**	Undesired event that results in death, injury, ill health, damage, or other loss
22	**Incident**	means an event that has caused, or had the potential to cause, an accident
23	**Hazard**	Source or situation with a potential for harm in terms of human injury or ill health, damage to property, damage to the workplace environment or a combination of these.
24	**Risk**	Combination of the likelihood and consequence of a hazardous event occurring. Risk = Hazard Severity x Likelihood of Occurrence
25	**Risk Assessment**	Overall process of estimating the magnitude of risk and deciding whether or not the risk is tolerable.
26	**Tool Box Talk**	**Toolbox Talk** means a discussion on health, safety, and environmental topics, delivered by an HSE Engineer, Engineer, or Foreman to personnel under their supervision before starting work
27	**Safety**	Freedom from unacceptable risk of harm
28	**HSE Management**	The part of the overall management system that facilitates the management of product quality, OH and S risks and environmental
29	**System**	impacts associated with the business of the organizational structure, planning activities, responsibilities, practices, procedures, processes and resources for developing, implementing, achieving, reviewing and maintaining the HSE policy.

30	**Audit**	means a systematic and documented examination to objectively obtain and evaluate evidence, to determine whether an organization's activities and related results conform to planned arrangements and audit criteria, and whether these arrangements are effectively implemented
31	**Objective**	Means the overall goals, derived from the HSE policy, that an organization sets to achieve, and which are, where practicable, quantified in terms of HSE performance
32	**HSE Performance**	Measurable results of HSE management system, related to an organization control of its quality objectives, environmental aspects, health and safety risks based on its HSE policy, objectives and targets.
32	**HSE Policy**	Statement by the organization of its intentions and principles in relation to its overall process HSE performance which provides a framework for safe and healthy work atmosphere and for the setting of its HSE objectives and targets.
33	**Targets**	Detailed performance requirement, quantified where practicable, applicable to the organization or parts thereof, that arises from the Q and HSE objectives and that needs to be set and met in order to achieve those Objectives.
34	**Organization**	Company, corporation, firm, enterprise, authority or institution, or part or combination thereof, whether incorporated or not, public or private, that has its own functions and administration
35	**Non-Conformance**	Means the non-fulfilment of a requirement. Any deviation from work standards, practices, procedures, regulations, or management system performance that could directly or indirectly result in product failure, deviation from documented systems, injury, illness, property damage, environmental impact, or a combination of thes
36	**Authorised Person**	A person who, in addition to having the duties of a Competent Person, has been appointed in writing by the Authorization Officer of the OpCo to carry out defined duties. These may include operation of Equipment and the preparation, issue, and cancellation of specified Permit to Work (PtW) documents, in accordance with an Authorization Certificate. In the context of this procedure, an AP can perform lockout and tag out on machines or equipment for the purpose of performing service or maintenance on those machines or equipment. This does include the role "Senior Authorised Person" as applicable in some OpCos.
37	**Competent Person**	A person who has sufficient technical knowledge and experience to recognize and avoid Danger and been appointed in writing by the Authorization Officer of the Company to carry out defined duties. These may include the operation of Equipment and the receipt and clearance of specified Permit to Work (PtW) documents, in accordance with a Competency Certificate
38	**Isolation (Safety) Lock**	A lock with a key that is used to isolate hazardous energy and process sources in accordance with a procedure and is colour coded as per a colour-coding standard for Company. Locks may be used in conjunction with a hasp and/or a Key Safe.
39	**Limited Access**	Where contractors are carrying out work NEAR to Equipment and the means of achieving Safety from the System is by limiting the work or work area, an Authorised Person shall confirm these instructions in writing by the issue of a Limited Access Permit
40	**Live**	Equipment that is still connected to the network and has a source of energy.
41	**Safety Clearance**	The distance from the nearest exposed High Voltage conductor not earthed, or from an insulator supporting an exposed High Voltage conductor, which must be maintained at all times to avoid danger to persons.
42	**Workers Register**	A register of workers allocated to do the selected work. A Competent Person must complete the workers register before the start of each job.

43	**Dead**	Any equipment at zero potential and disconnected or isolated from any live power system. Rotating equipment shall not be regarded as dead until it is stationary.
44	**Direct Supervision**	Uninterrupted and continuous observation and control of persons for the full duration that the people being supervised are within the potentially dangerous zone.
45	**Indirect Supervision**	Frequent observation and control of the person being supervised. Occasional line of sight between any person and the energised plant. Frequent inspection of barriers, live work covers and staff working positions and control of staff movement.
46	**Key(s)**	Safety Key: A key unique at the Location for safety locking of an Isolating Device, Earthing Device, vent or drain. Control Key: A master key for operating the control locks of a Key Safe and issued to Authorised Persons only. Key Safe Key: A key unique at the Location for operating a personal safety lock, other than the control lock, on a Key Safe.
47	**Sanction for Test**	When testing on HV/LV Equipment requires the removal of Primary Earths, a Sanction for Test shall be issued to achieve Safety from the System and General Safety

3. TERMINOLOGY

The following terminology is used throughout documents.

Term	**Use of Term Infers**
Must	**Mandatory** **Legislative requirement, standard or TAQA's Essential Safety Rules.**
Shall	**Mandatory** **Minimum requirement.**
Should	**Strongly Recommended** **Best practice or recommended/ preferred option.**
May	**Suggested** **Possible course of action.**

4. INTRODUCTION

Falcon Middle East Contracting and General Maintenance is recognized as a one of the leading contactor of electromechanical solutions, building maintenance which was established in 2009 and has amassed a solid track record of success through its technical acquaintances. We specifically set up a comprehensive electromechanical division & maintenance division with the management and engineering expertise to address all elements in the engineering, procurement, construction and commissioning of Electromechanical & MEP projects.

List of Services :Supply, Installation, Testing & Maintenance.

1- Supply & installation & testing of LV and 11,22,33KV cables.

2- Supply & installation of LV & 11,22,33KV heat shrinking type joints and terminations.

3- Supply & installation & testing of all 11,22,33 KV S/S equipment like (Switch gear, Transformers , DC system , RTU, etc…)

4- supply & installation & testing of complete street lighting system (decorative , high mast , internal roads)

5- Supply & installation of complete electrical and water services for projects/sites facilities

6- Supply & installation & testing of water pipe lines up to 1000mm dia.

7- Supply and construction of water chamber and all required fittings.
8- Supply & installation & maintenance of 11,33KV OHL network.
9- Operation & maintenance (preventive/corrective) for all the above services.
10- Relocation of all TAQA & ADM assets which its affecting plots extension and constructions.
11- Electrical & water shop drawings (bulk & un-bulk loads).
12- Protection of LV & 11,22,33KV cables.
13- Providing TAQA /TAQA competent persons for electrical & water projects.
14- Electrical and water load upgrade
15- TAQA DRAWINGS APPROVAL
16- Temporary Connection Application
17- Shifitng Application
18- Demolition
19- Internal Wiring Application

The Project Health, Safety, Security, and Environmental (HSSE) Plan is established to define the arrangements for conducting work safely and responsibly, while safeguarding personnel, assets, equipment, and the environment. The Company is fully committed to the prevention, reduction, and elimination of all undesired events that may result in loss, injury, damage, or environmental impact, and to protecting the interests of both the Company and its Client at all times.

To achieve these objectives, the Company has implemented a comprehensive Risk Management and Safety Program that applies to all activities, departments, and work areas, ensuring that health, safety, security, and environmental considerations are integrated into every aspect of project execution.

Ref: TAQA T&D,TDBL/HS/B/S/005(Minimum HSE requirement for contractors), Section 6.4.6
Addendum K- Contactor HSE plan structure and guidelines
HSE Risk management procedure (OP.HS.05)

4.1 OBJECTIVES OF PLAN

The Management of FALCON LLC. believes that pursuit of high standard of health, safety and a positive approach towards protecting environment is an integral part of efficient management in the construction industry.
The goal of the Company Management is to have accident-free projects. To achieve this objective, the following means will be employed.

- Management is to demonstrate its commitment to HSE in all its activities/operations
- All employees will be carefully selected, trainee and made aware of the Company's HSE requirements and that of the project. The employees will participate in all mandatory courses required by the Client.
- HSE performance will be monitored on a plan company level and throughout the project. The statistics will be renewed and analyzed and efforts will be made towards continuous improvement.
- All sub-contractor activities will be carried out using safe work practices – clear construction plans, methods of work and safety guidelines. It covers all related procedures and utilized equipment/tools.
- Hazard identification and risk assessment will be carried out on regular basis and necessary control measures will be implemented. This will be done first on a project basis and once system matures, all activities will be subject to risk assessment.
- All accidents and incidents will be investigated and reported to Management, Client and where applicable, to the Government Authorities. Analysis shall identify accidents/incidents impact on HSEMS for implementation of modification as necessary.
- Management would welcome all constructive ideas and suggestions towards improving HSE performance. All audits including that of HSEMS shall be systematic to identify rooms for improvement in the process

and the system.

- Focus on Incremental improvement on continuous basis.
- HSE Objectives will be established on yearly basis, achievements highlighted and monitored.
- All necessary resources and support will be extended by Management.
- To promote continuous awareness in HSE system to achieve the Goal of "***NOT TO INJURE ANY PERSON OR DAMAGE ANY EQUIPMENT OR ENVIRONMENT***".

5. SCOPE

This plan applies to all project activities and all personnel involved in the project, including visitors, subcontractors, suppliers, and other external parties. The purpose of the Project HSSE Plan is to define, establish, and communicate the Health, Safety, Security, and Environmental (HSSE) management system to be implemented throughout the project. This system governs all activities associated with the project, as detailed in the Scope of Work

5.1 HSE MANAGEMENT SYSTEM

The HSE Management System provides a structured framework to manage health, safety, and environmental risks across all operations. Continuous improvement is achieved through the Plan–Do–Check–Act (PDCA) cycle. The HSE document outlines the project's key activities and requirements and serves as a guide for site HSE personnel to ensure full coverage of all aspects. It is structured broadly in line with ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 and ADPHC(ADOSH SF V4.0), ISO 19011 (Guidelines for Auditing Management Systems).

FME LLC had conducted the third party audit from Brixton Assessment Services (BAS) and ISO management system certifications is valid up to 21/07/2027(BA-BAS-B10305, B10306, B10307) Ref: TAQA T&D,TDBL/HS/B/S/005(Minimum HSE requirement for contractors), Section 6.2(Contrator's HSE Management System)

Element	Site-Specific Implementation in D111661E(LTRA)
Plan (Risk Assessment)	All work activities (excavation, cable laying, transformer installation, cable jointing, 11kV load transfer) are covered by three project-specific Method Statements & Risk Assessments (MSRAs) listed in Appendix 19. No work commences without an approved MSRA.
Do (Implementation)	Each morning, the Site Supervisor conducts a task-specific Toolbox Talk using the form in Appendix 24. Each worker completes a Last Minute Risk Assessment (LMRA) before starting any task. Permits to Work (PTW) are obtained from TAQA Authorized Person before entering substation or excavation zones. **Applicability of the TAQA Permit to Work System:(A)Work on the System (B) Work on near the system (C) Out-of–System work** Ref: Page no. 49, Section 1.3.4
Check (Monitoring)	HSE Engineer performs daily site inspections (Appendix 25). Weekly HSE walkthroughs are conducted by Project Manager + HSE Engineer + TAQA representative using Appendix 27. Monthly audits against ADOSH SF v4.0 Element-8 are conducted.
Act (Improvement)	All inspection findings, near misses, and incidents are logged in the Corrective Action Registry (Appendix 28) with assigned responsibilities and closure dates. Monthly

	HSE meetings review trends and implement preventive actions.

5.2 HSE POLICY STATEMENT

M/s FME LLC HSE policy is geared towards promoting health and safety and ensuring 100% HSE compliance in line with TAQA requirement and signed by General Manager and communicated to the workforce and related parties.

Ref: TAQA T&D,TDBL/HS/B/S/005(Minimum HSE requirement for contractors), Section 6.3(Contrator's HSE policy)

Commitment to TAQA Requirements: All work on this project shall comply with TAQA Distribution's Minimum HSE Requirements for Contractors (TDBL-HS-B-S-005), TAQA's 12 Essential Safety Rules, and the TAQA Permit to Work system. No deviation is permitted without formal Management of Change (MOC) approval.

Commitment to ADOSH SF v4.0: This project shall maintain full compliance with Abu Dhabi Occupational Safety and Health System Framework (ADOSH SF v4.0), including Element-2 (Risk Management), Element-6 (Emergency Management), and CoP 53.1 (OSH Construction Management Plan).

Commitment to Site-Specific Controls: The following high-risk activities on this project have specific control measures that will be enforced:

Working inside energized substation: PTW, LAP, authorized personnel only, arc-flash PPE, continuous supervision.

Excavation for cable laying: Daily inspection by competent person, barriers, warning tape, utility mapping before digging.

Transformer lifting (20 MVA): Lifting plan, certified crane (<10 years old with NDT if older), competent rigger, exclusion zone.

Cable jointing (hot works): PTW, fire extinguisher, fire watch for 30 min after completion, MSDS available.

Commitment to Worker Welfare (UAE Labour Law & ADOSH CoP 8.0):

- Midday break enforced 12:30–15:00 (15 June – 15 September) per Ministerial Resolution No. 44 of 2022.
- Drinking water (tested quarterly) available at all work locations.
- Shaded rest areas within 100m of all active work.
- First aid kit ratio: 1 per 20 persons, inspected monthly.
- Emergency evacuation drills conducted every 6 months.

Commitment to Incident Reporting (TAQA Mechanism 11.0):

- Verbal notification to TAQA Project Manager: immediately.
- Initial Incident Notification (IIN): within 2 hours.
- Incident Investigation Report (IIR): within 10 days.
- No incident shall be concealed, delayed, or misreported.

Policy Violation Consequences (Site-Specific):

- First violation (minor): Verbal warning + retraining.
- Second violation (minor): Written warning.

- Serious violation (working without PTW, entering exclusion zone, no PPE, working under midday break): Immediate removal from site + report to TAQA + possible contract termination.

(Please check Annexure: HSE Policies)

PROJECT HIGHLIGHT

Contractor:	FALCON MIDDLE EAST LLC
Client:	Abu Dhabi Distribution Company (ADDC)
Effective Date:	Date of Site Handing Over
Date for Start of Work:	The date for Commencement of WORKS shall be Seven (7) days from Date of site Handing over.
Contract Duration:	36 months from the date of handing over
Warranty Duration:	12 months from the date of Issuance of PAC until Issuance of FAC
Letter of Award (LOA)	31 May 2024

5.3 SCOPE OF WORK

5.3.1 Introduction:

Central, Eastern, western and al Dhafra region of Abu Dhabi is one of the fastest developing areas in Abu Dhabi Emirate. In order to cater to the significant load growth resulting from the various new development projects, Abu Dhabi Distribution Company (ADDC/TAQA) has taken up a comprehensive program for the reinforcement and redesign of distribution networks to ensure a reliable electrical network with sufficient capacity.

To sustain this development, ADDC/TAQA has initiated several projects with the objective to augment and reinforce the existing distribution network. One such project is the LTRA in Abu Dhabi of central, Eastern and Western Region in Abu Dhabi.

The objective of this project is to ensure that the required network LTRA agreement for supply and installation of underground cable, electrical distribution equipment, OHL and Allied Work in Abu Dhabi, central, eastern and western region and executed in line with ADDC/TAQA design guidelines, specifications and within the project schedule. Project duration (36) months followed by 12 months of warranty period

5.3.2 Detailed SCOPE OF WORK:

Part of the scope of this contract, the contractor is to carry out the work related to electricity LV house connections (dead or live connections), including LV distribution, and Customer metering cabinet, relocation of the existing services, minor network expansion, network reinforcement and/or urgent work orders.

Contractor has to collect all free issue material quantity specified in the work order BOQ or material requisition order from ADDC/TAQA stores immediately from approval of TR to avoid delay in execution. Otherwise, delay penalty will apply as per terms and condition of the contract

Contractor has carried out site verification/survey and provide materials required for work execution as per the quantity stated in work order BOQ, unless otherwise is specified as ADDC/TAQA free issue material.

Contractor has to execute all work orders in accordance with ADDC standard work specifications and all other official authority's regulations like (ADM, DOT, ICAD.etc.).

The contractor shall employ certified Competent Engineers, technician, certified Skilled cable jointers, Draftsman, poses right tools and instruments, testing equipment's, excavation machine and transportation to execute the works under the supervision of ADDC /TAQA Engineers.

Scope of work for the contractor:

Excavation in any nature of ground and all types of excavation for laying or recovery, backfill the same after cable installation/recovery well compacted as per ADDC/ ADM/TAQA regulations.

Installation of underground cables and electrical distribution equipment's, testing, commissioning, joints and terminations as per ADDC/TAQA regulations.

As for the installation and termination at the Customer metering cabinet, contractor scope is to terminate the cable from the incomer and outgoing of the metering cabinet, while cable laying from outgoing of Cabinet to customer MDB and termination at MDB shall be done by the client.

Dismantle carefully (Recovery) of underground cables and electrical distribution equipment's and returned to ADDC/TAQA Store and process the required documents for that within 48hours after day of recovery.

Collection of materials from ADDC/TAQA Stores/Contractor Site Store, transport to site and safe custody till the installation work is completed. Contractor must process the required documents for returning back balance free issue materials to ADDC stores after completing the work.

The Contractor has to submit the required documents like [shop drawing, datasheet, checklist, test reports … else] during the execution phase and request the required permits for connections, then final as built drawing with the actual joint measurement sheet within maximum 48 hours from dead work completion date through e-WO system.

Any work not specifically mentioned but identified as essential by contractor/ADDC/TAQA site Engineer, contractor must prepare draft proposal with estimated cost for approval before starting the work then it should be updated as additional work on the system.

Contractor must possess all the relevant approval demanded by other relevant Authorities that are necessary for the work execution and commencement.

Contractor is full responsible to provide all relevant documentation bank guarantees and any other requirements necessitated by the service Authorities.

Contractor has to do the required site verification within 24 hours from day of receiving the Work order and commence work execution immediately if there are no obstacles or permits required. from the date of receiving of work order.

Contractor must complete all house connection work orders within 8 calendar days in 2020 onwards from the date of receiving of work order unless otherwise specified in the work order.

Contractor must collect free issue materials from ADDC/TAQA Stores within two days of receiving of approved Material Transfer Request (TR).

Contractor is responsible to carry out site handover protocol process for the given substation site as per ADM procedures.

Contractor must carry out all required tests for equipment's, cable detecting, cable spiking and cable phasing.

Contractor must be available 24/7 to execute emergency works including during holidays or religious occasions.

Contractor must make regular weekly meeting with ADDC/TAQA project engineer to check the contract status and MOM to be signed and registered.

Contractor must submit all required reports (Weekly or Monthly) which includes monthly EHS &WM REPORTS. ADDC/TAQA has the right to issue warning letter should the contractor failed to submit three consecutive monthly report.

LAP permits have become mandatory for all work orders; accordingly, Contractor must provide enough competent workforce to meet the HSE requirements.

The Contractor must provide the following Competent person / manpower to cover Connection works, in addition to the site personnel's i.e. Cable jointers, laborers etc.

• Project Manager – 1.

• Project Engineers – 4 (for Each region – Must be CP).

• Site Engineers – 4 (for Each region – Must be CP and one CP must have valid TRANSCO/ADNOC competency for all the times during contract tenure).

• Foreman – 16 (For each region 4 No. foreman required with Minimum Diploma qualification to receive LAP permit (CP-5).

• OHL Engineer – 1.

• OHL Lineman -2.

• OHL Foreman – 2 (to receive LAP permit).

Emergency and Corrective Maintenance works:

Overview:

Abu Dhabi Distribution Company distributes water and electricity to Central, Eastern and Al Dhafra Regions of the Emirate of Abu Dhabi. Electricity is distributed through distribution substations in the three regions. ADDC operates and maintains these substations ensuring maximum continuity. The ADDC/TAQA power network is experiencing reliability problems due the numerous unavoidable outages caused by cable and substation faults in network. The yearly increase of aging cables, substation and overhead Line assets in the network is making it more challenging to coordinate and allocate resources. It has become increasingly hard to conduct on-time emergency maintenance work and reinstate power supply to meet SAIDI target with the present available resources available within the Electricity Maintenance Division.

Emergency and Corrective Maintenance Scope of Work:

Scope of Work for Corrective Maintenance in Distribution Substations, LV network & OHL Network:

Perform a corrective maintenance of distribution substations, LV network and OHL Network including the following distribution substation assets as per ADDC Maintenance Procedure and Original Equipment Manufacturers (OEM's)recommendation:

- Distribution transformers, dry or oil-type, rated 11/0.415kV or 22/0.415kV, up to 2500 kVA

- HV Switchgears, Air insulated, Oil insulated or Gas insulated type, rated 11kV/22kV, in distribution substations

- LV Switchgears/Distribution Panel, rated 0.415kV

- Tri- or Quad- Ring Main Units, Oil or SF6 Type, rated 11 kV

- Protective Relay System and Earth Fault Indicator Device

- Battery, charger, and DC system - Station electrical wiring system including outlets and lighting

- Distribution Package Unit

- Cable terminations connected to transformers and switchgears

- LV & HV cable Network.

- OHL Network-General

Provide adequate competent maintenance personnel qualified and knowledgeable and conduct the required operational and maintenance activities in a safe manner with the highest quality possible. The maintenance staff shall also be capable of conducting troubleshooting, repair works, replacement works, diagnosis, testing and performing engineering analysis as required in general context.

Provide tools and materials needed for successfully conducting corrective maintenance activities. Such equipment, tools and materials shall be subject to the requirement of maintenance activities set forth in the ADDC/TAQA Maintenance Policy included but not limited to:

- Portable handheld partial discharge test set with acoustics unit (ultrasonic sound detector & TEV detector)

- High voltage testing equipment (Cable, Transformer, switch gear, etc.)

- OHL insulated tools equipment.

- OHL Testing equipment.

- OHL liv line work tools and machineries.

- Thermal-Corona imaging camera

- Oil Breakdown Voltage Test Set

- Vacuum Interrupter Integrity Test Set

- Circuit Breaker Timing Test Set

- Earthing Test Set.

- Micro-ohmmeter Test Set.

- Megger Insulation Tester.

- Multimeters.

- Rags and other general consumables.

- OEM recommended degreasers and cleaners.

- Mechanical tool sets.

- Personal protective equipment such as helmet, safety shoes, safety goggles, overall, etc.

- Gas purity analyzer.

Provide adequate number of staff to do in-situ substation condition monitoring and encoding of condition monitoring data in ADDC/TAQA Maximo software. Network access, computers and office space will be provided by ADDC/TAQA.

Thorough inspection of all equipment/their health/earthing integrity and site situation shall be required before any maintenance work is started. Risk assessment and toolbox talk needs to be conducted with signed documents as proof before any maintenance work can commence.

Conduct substation condition monitoring including the following:

• Visual check, Partial discharge check, Thermal imaging, Maximo work order recording for all assets for each visit of condition monitoring along with photos of defects.

• Specification data collection and photos of all assets to be attached to assets during first round of condition monitoring only, to establish database.

• All test kits supply along with yearly calibration to be part of the contractor scope.

Visual inspection, as a part of every maintenance, shall be performed to verify if defects where successfully rectified. Also conduct condition monitoring with the following tools where applicable.

- Portable handheld partial discharge test set with acoustics unit (ultrasonic sound detector & TEV detector)

- Thermal camera

Submit progress, audit, test, root-cause analysis and other technical reports periodically and as required.

Repair and/or re-installation of free issued earthing system conductor, bare copper clad steel 19x6, 240 mm2 and supply with all required accessories. All works, materials, tests, and setup must be done in compliance to ADDC/TAQA Engineering Standard for Earthing.

- The contractor shall supply all required accessories and also arranged required special tools, equipment and tackles for the work.

- The following earthing works may be required to comply with the ADDC/TAQA Engineering Standard for Earthing:

a. Exothermic bonding for underground connections

b. Bolted or compression bonding for above ground connections

c. Installation of earth pits and earth rods including deep earth rods

d. Deep earth boring with hole diameter of 100mm

e. Pouring of macrinite mixture into the deep earth bores

f. Assessment of substation earthing system for compliance to the ADDC Engineering Standard for Earthing including supply of all required test equipment, materials, and PPE. The assessment may include any or all of the following:

i. Area soil resistivity test and drawing

ii. Area soil resistivity uniform or 2-layer model map depending on the site soil structure

iii. Hot zone contour map showing voltage gradient of the whole substation area.

iv. Calculations and analysis according to IEEE, IEC, and ENA TS-41-24 British earthing standards

v. Final earthing system layout drawing with dimensions for the whole substation

vi. Conductive macrinite concrete data and specification

vii. Fall-of-Potential Test

viii. Touch and Step Voltage Test using variable/multi-frequency testing device

ix. Joint Contact Resistance Tests using minimum 100 A current injection

Over Head Lines:

A. Perform a corrective maintenance of 11kV and 33kV Overhead Line Distribution in Abu Dhabi on the following OHL components as per ADDC/TAQA Maintenance Procedure and Original Equipment Manufacturers (OEM's)recommendation:

- Lattice Towers - Poles (Wooden/Steel)

- Poles and Lattice Towers Foundation - Insulators

- Insulator Fittings

- Vibration Dampers - Cross arms

- Switches and Isolators (VMS, , VMSF, MHS)

- Conductors (Primary and Overhead Continuous Earthing)

- Lightning Arresters

- Cable Terminations

- Conductor Jumpers and Terminations

- Pole/Lattice Tower Earthing

- Pole Stay Set and Anchor

- Sand Dune Formation below OHL

- Access Road - Vegetation

- Pole Mounted Transformer (PMT)

- Patrolling of OHL

- DOF replacement

B. Provide adequate competent maintenance personnel qualified and knowledgeable and conduct the required operational and maintenance activities in a safe manner with the highest quality possible. The maintenance staff shall also be capable of conducting troubleshooting, repair works, replacement works, diagnosis, testing and performing engineering analysis as required in general context.

C. Provide tools and equipment needed for successfully conducting OHL patrolling and corrective maintenance activities. Such equipment, tools and equipment shall be subject to the requirement of maintenance activities set forth in the ADDC/TAQA Maintenance Policy included but not limited to:

- Insulation Resistance Tester.

- HV Portable Earthing Device.

- HV Tester with hot stick.

- Mechanical Tool Sets.

- Hydraulic Crimpers.

- Ropes and Belt Straps
- Chain Hoist.
- Gasoline/Electrical chain saw wood cutter.
- Portable generator - Wire Grip.
- Area Lighting.
- Fiberglass Ladders and Access Device.
- 4x4 Mobile Elevated Working Platform.
- 4x4 Mobile Crane.
- 4x4 Backhoe Loader.
- Earth boring machine.
- Bulldozer.
- Personal protective equipment such as helmet, safety shoes, safety goggles, overall, etc.
- Binoculars or Telescope.
- OEM recommended degreasers and cleaners.
- Rags and other general consumables.

D. Thorough inspection of all equipment/their health/earthing integrity and site situation shall be required before any maintenance work is started. Risk assessment and toolbox talk needs to be conducted with signed documents as proof before any maintenance work can commence.

E. Submit progress, audit, test, root-cause analysis and other technical reports periodically and as required.

F. Repairing Existing Cracked Pile Foundation for 33kV Towers at OHL Network Contractor shall arrange for site visit jointly with ADDC/TAQA OHL Maintenance Team at OHL network to see the actual real conditions at all of the defective 33KV Tower's Foundations.

Contractor shall ensure the foundation stability integrity check-up through specialist Civil Structural Design Team/Consultant to ensure the solidity and overall stability of these affected structures.

Contractor shall obtain all necessary permits to work from ADDC/TAQA concerned department before starting the site activities since these towers are live. Contractor competent person shall be interviewed and approved by ADDC/TAQA HSEQ and shall be available at site during all construction/ site works.

Contractor shall remove the loose/cracked/damage concrete parts at the top exposed parts of the affected piles but without affecting the stability of the structure/towers.

Contractor shall construct new pile caps foundations of 1.5 m x 1.5 m min. size with 1 m depth around each tower leg/pile and to ensure the stability of the structure. These pile caps foundations shall be reinforced with min. rebar of T16 @ 200 Top and Bottom at both directions with u shape to cover the whole pile cap foundation. Side bars at all four sides of the pile caps shall be reinforced with rebar not less than T12@200. Dowels of 16 mm diameter to connect new pile cap with existing pile concrete shall be inserted with the total number and length as directed by the specialist/designer and through special fixing materials (such as Hilti, Fosroc, Sika etc…) to the approval of ADDC/TAQA. Concrete grade shall be C40/20 MSRC from one of ADWEA/EOD approved ready mix concrete manufacturers. All civil works shall be done by one of ADWEA approved contractors for similar works.

Contractor shall do all necessary arrangement and any temporary fixing requirements to ensure the stability of these affected towers during the rehabilitation/construction works. It is recommended to do the rehabilitation/construction of one pile cap (from the four legs) at each affected tower separately and not to do the four pile caps for the same tower at the same time in order to avoid huge disturbance to the stability/existing conditions. However, this stability issue is the whole responsibility of the contractor during the rehabilitation/construction works and contractor has to consider any additional fees for temporary supports to ensure such stability of the structure.

Contractor shall ensure that the new construction of pile caps is done on levelled and compacted soil to 97% proctor test as per ADDC/TAQA Standard Specifications.

Contractor shall arrange for two coats of cool tar epoxy on all concrete surfaces as per ADDC Specifications. Contractor shall follow the attached ADDC/TAQA Standard Specifications for Concrete and obtain all necessary approvals.

Scope of Work for Emergency Works in Distribution Substation network, Underground cable Network, LV distribution network and OHL network:

A. The contractor shall employ his best capability to complete all works on time to the satisfaction of ADDC and the response time shall be as per section 4.

B. The Contractor is required to fully fulfil this contract 24/7 even during special and religious holidays or occasions. The contractor therefore is expected to arrange the composition of his workforce wisely to avoid conflicts during the implementation of this contract.

C. The contractor shall attach in the e-work order the updated as built drawing (AutoCAD drawings)/data sheet/testing report/reconciliation sheet/coordinates for installation/dismantling/recovery of electrical distribution network SWGR/RMU/PU/joint/cable to ADDC/TAQA within 3 working days.

D. Manpower requirement

the contractor shall provide dedicated manpower sufficient to handle the items mentioned in the BOQ and scope of work and to be able to respond to emergency call 24/7.

E. Tools and testing equipment shall have the optimum quality and efficiency to handle the work mentioned in the BOQ and scope of work. The list minimum tools and equipment is mentioned in section 5. The tools and equipment shall have but not limited to the following requirement:

- It shall be designed specifically to be used against each work category

- The tools shall be fully insulated.

- OHL Live line work tools should be calibrated & certified by third party. And, maintained properly.

- All testing equipment shall be calibrated by an approved laboratory.

- All hydraulic tools (crimper, cutter) shall be lubricated properly, and routine check of oil is mandatory prior usage.

- All tools shall be neat and clean inside toolbox.

F. Collecting materials from ADDC/TAQA Stores/Site or any other location, transport this material to site and securely and safely store these same materials until work is completed. Balance materials will be returned back to respective stores after completion of works.

G. Excavating/backfilling any type of ground for installing electrical equipment, exposing, laying and recovery of cables. Laying PVC ducts and embeds with concrete and dewatering of trenches when necessary, using high-capacity diesel pumps. Provide road crossing for underground services using horizontal and directional drilling.

Removal and reinstatement of asphalt/interlock/cement/ceramic as per ADDC/ADM/TAQA regulation. Removal of interlock for the emergency works contractor shall be reinstated within 48 hrs. as per the ADM standards.

Cutting of asphalt for the emergency works contractor shall be reinstated within 24 hrs. as per the ADM standards with temporary materials (Interlock, Cold asphalted.). moreover, contractor shall be following third party requirements (ADM, ITC…. ETC) and obtain the clearance from their side. EWO will be in hold condition until clearance is submitted.

All excavation/backfilling/laying/recovery/installation/dismantling shall meet the following:

▪ ADDC standard specification

▪ ADWEA excavation guideline

▪ Fully compliance with ADM requirement. Each excavation/backfilling/reinstatement shall have an ADM certification of approved backfilling

▪ DOT requirement and guidelines

▪ Ministry of interior requirement and guidelines

▪ Any requirement from government authority that intersect with ADDC/TAQA work the contractor shall provide LED lights in all excavation locations The contractor shall approach all authority to get necessary approval to commence excavation process Heavy duty umbrella shall be provided to protect the people working under the sun The site engineer (contractor) shall request ADDC/TAQA drawing that shows all underground services in the excavation location The contractor shall make manual excavation and multiple trial pets every 10 m before using the JCB. The site engineer (contractor) shall use live cable detector before excavation The contractor shall use proper protection when working on deep excavation such as piling …etc. Close monitoring and approved risk assessment shall also by submitted to ADDC/TAQA prior starting the work

Supply/installation of cable joints and termination up to 33kV including cable supporting, gland, cleat, clamp. Installation/repair/supply of fire sealing and water blocking materials for cable duct entrance including materials provision

- The jointer shall be certified by ADDC/TAQA for the joint/termination

- The jointer shall have the minimum tools to allow him to make joint/termination

- The site engineer (contractor) shall confirm that everything is safe before the jointer starts his work and he shall conduct toolbox talk and fill the safety documents.

- The jointer shall not cut any cable without the presence/approval of ADDC/TAQA

- After cutting the cable the contractor has to be do the Megger test for both end of the cable and make sure the cable is healthy for the Jointing work. After completing the cable jointing work contractor must be performed Megger test and VLF test as per ADDC/TAQA standard. The megger test and VLF test cannot charge separately and it's a part of cable jointing work.

- The Contractor shall be provided the necessary Joint marker, joint tag as per the ADDC/TAQA standard after the Joint work.

- The site engineer (contractor) shall send the updated joint/cable as built drawing showing the coordinates, jointer name, date, competency number, work order number to ADDC/TAQA within 3 working days

I. Tagging and labelling cables appropriately and correctly in primary basement and any other location requested by ADDC/TAQA

J. Installation/dismantling/recovery/ testing and commissioning according to IEC, ANSI and ADDC /TAQA Standard of substation equipment rated up to 33 kV including GIS/AIS panels, RMUs, package units, distribution and power transformer, LV panels, 48V batteries and battery charger

- After completing the isolation, connecting HV/LV generator, the site engineer (contractor) shall confirm the point of isolation has been made as per the safety document.

- The site engineer (contractor) has to confirm that the circuit is dead by using high voltage stick and applying portable earth

- The site engineer (contractor) shall confirm no any feedback came from DG by suitable testing equipment.

- The replacement shall be done in the stipulated period of time (as per the KPI mentioned in the amendments)

- The contractor shall use certified heavy vehicle Traffic Department

- All testing shall be done after final installation

- Risk assessment/toolbox talk shall be made prior starting the work. These to be sent to ADDC/TAQA within two working days

- To fill the data sheet/testing report of the new/old unit/cable and send it to ADDC/TAQA within two working days - Any damage caused to equipment during transportation/installation will be fully the responsibility of the contractor.

K. Safety requirement when working in ADDC/TAQA network. The contractor shall comply the following:

- Full adherence and compliance with all ADDC/TAQA safety regulation and guidelines

- Ensure that all his team wear PPE while working on site

- Wear mask when necessary, during dusty weather or in any site that meet this condition or whenever requested by ADDC/TAQA

- Providing water for their staff at all time during site works

- Working hour restriction during shall be strictly adhered

- Providing long sleeve shoes water protection is mandatory when working in muddy areas

- The contractor shall strictly adhere to the daily maximum number of working hours for each individual on his firm as per the regulation of the ministry of labors

- Stipulated Response time requirement for daily emergency calls for 11,22,33 & LV faults

- The contractor shall not start any work without safety barricades/barriers/cones/warning tape being placed surrounding the excavation location as per ADM/ADDC/TAQA safety procedure.

- The contractor shall provide waste basket in the working location for disposed materials to keep the location neat and clean.

- The contractor shall provide site board that describes the name of contractor, contract number, ADDC/TAQA, etc. in all excavation location.

- All the people shall wear proper safety uniform having the logo of their company

- Water shall be provided at all times

- First aid and fire extinguisher shall be available at all times

L. Ground levelling and compaction is mandatory immediately after fault rectification when deemed necessary by ADDC/TAQA engineer.

M. Conducting timely, thorough and accurate joint measurements with ADDC/TAQA engineer within 48 hrs.

N. Conducting clean-up after every work and ensuring all worksites do not impose danger to the public during and after the completion of the work.

O. Submitting promptly all accomplishment reports including equipment test reports within 48 hrs.

P. Any work not specifically mentioned but essential for completeness of the works shall be carried out.

Q. All the works shall be carried out in strict compliance with ADDC/TAQA Standard specification.

6. PLAN IMPLEMENTATION & MONITORING

6.1 HSSE PLAN IMPLEMENTATION("Do" phase)

FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE LLC (FME LLC) have establish, implement, and maintain processes necessary to meet HSE objectives and fulfill legal and other requirements. Implementation ensures that planned arrangements are effectively executed, hazards are controlled, and risks are reduced to As Low As Reasonably Practicable (ALARP).

- Roles and responsibilities of all levels are defined as per ***Element-1, Roles, responsibilities and self-regulation, ADOSH SF ver 4.0***
- Training of workforce on how to identify and control hazards and on emergency evacuation plan and identify required competencies for all roles affection performance as per ***Element-1, Training, awareness and competency ADOSH SF ver 4.0***
- Toolbox talks and pre-task briefing conducted and encourage workers to participate and reporting the hazards. ***Ref: Element-2, Communication and Consultation, ADOSH SF ver 4.0***
- Establishment of site-specific emergency response plan and conduct drills, maintaining emergency equipment. ***Ref: Element-6,Emergency Management, ADOSH SF ver 4.0***
- Allocation of resources at site ***Element-1, Roles, responsibilities and self-regulation, ADOSH SF ver 4.0***
- Implementation of safe work method(Method of statements) and permit to work at site ***Ref: TAQA T&D, TDBL-HS-C-S-002,***

TDBL-HS-B-S-005, TDBL-HS-B-S-006 and Element-2, Risk Management, ADOSH SF ver 4.0 , ADOSH Code of Practice

To ensure that everyone in the project is competent to carry out their work safely, and that there is adequate supervision to make sure arrangements are followed, HSE Plan will be easier to implement if:

Risk control and Risk management system have been well designed & implemented. Risk management

system and arrangements recognize existing business practice and human capabilities and limitations.

The Key Steps

- -List down the Preventive and Protective measures needed for the implementation of HSE Plan throughout the project and put them in place.
- -Provide the right tools and equipment to do the job and keep them maintained through third party annual inspection.
- Training of employees and conveying instructions mentioned in HSE Plan to ensure everyone involved in this project is competent to carry out their work.
- Strict Supervision to make sure that HSE arrangements are implemented & followed.
- Documentation
- HSE Plan will be project specific and concise, with the emphasis on its effectiveness rather than
- Implementation
- Once planning of HSE Management system & preparation of HSE Plan is done, the next step will be to implement it at site.
- Implementation of HSE Plan will be through:
- Implementation of a reporting system (Reporting of incident, accident, near miss).
- Training of workers on how to identify and control hazards & on emergency evacuation plan.
- Conducting Compliance Audits & inspections.
- Collection of hazard control ideas through worker participation & consultation during Risk Assessment.

6.1.1 IMPLEMENTATION METHODOLOGY

Once planning of HSE Management system & preparation of HSE Plan is done, the next step will be to implement it at site.

- Implementation of HSE Plan will be through: -
- Implementation of a reporting system (Reporting of incident, accident, near miss).
- Training of workers on how to identify and control hazards & on emergency evacuation plan.
- Conducting Compliance Audits & inspections.
- Collection of hazard control ideas through worker participation & consultation during Risk Assessment.

6.1.2 IMPLEMENTATION OVERVIEW:

Contractor HSE Key Performance Indicators (KPIs) and targets for the year 2026.

Project HSE Targets & Objectives (SMART)

A. Lagging Indicators – HSE Performance Outcomes (Results)				
No.	**KPI**	**Target**	**Measurement**	**Frequency**
A1	Lost Time Injury (LTI)	Zero LTI	No. of LTIs	Continuous
A2	Total Recordable Injury Rate (TRIR)	≤ 0.06	TRIR calculation	Quarterly
A3	Road Traffic Accidents (RTA)	≥ 30% reduction vs 2025 baseline	RTA statistics	Quarterly
B. Leading Indicators – HSE Reporting & Proactive Safety				
B1	Incident Reporting Timeliness	100% timely reporting to TQD Focal Eng. & HSE	Report submission time	Continuous
B2	Proactive Near Miss Reporting	≥ 1 NM / quarter	No. of NM reported	Quarterly
B3	Unsafe Act / Condition Reporting	≥ 1 UA/UC per working day per Competent person	UA/UC reports	Weekly
B5	Non-HSE Reporting Contribution	≥ 50% of NM/UA/UC by non-HSE staff	Reporter role	Monthly
C. Permit to Work (PTW), Audits & Risk Management				
C1	PTW Audits	≥ 4 PTW audits / month by HSE Staff	Audit records	Monthly
C2	Risk Assessment Reviews	≥ 4 RA reviews / week by Site/Project Eng.	Review logs	Weekly
C3	HSE Plan Implementation Effectiveness	≥ 2 HSE Plan audits & revision of HSE Plan annually	Audit records	Bi-Annual
C4	HAZID/High Level Project scope Risk Assessment Review	HAZID/High Level Project scope RA Review	Risk Registry	Bi-Annual
D. Behaviour, Leadership & Culture				
D1	Behaviour-Based Self-Verification	Program developed & implemented	Program evidence	Annual
D2	Leadership Site Safety Walks	≥ 2 PMT safety site walkthrough / month	Walk HSE reports	Monthly
D3	Safety Reporting Culture	Positive trend quarter-on-quarter	Reporting analytics	Quarterly

E. Focus HSE Themes Campaigns (Mandatory Compliance Areas)				
E1	Slip, Trip & Fall	April 2026 - Effectively planned & Conducted with all Site active personnel	Campaign Lead by Contractor & Consultant PMT with theme specific planned activities & Close out report with pictorial evidence and recognition.	Monthly
E2	Hand Injury Prevention	May 2026 - Effectively planned & Conducted with all Site active personnel		Monthly
E3	Heat Illness Prevention	June 2026 to September 2026 - Effectively planned & Conducted with all Site active personnel		Monthly
E4	Excavation Safety & Emergency Preparedness	July 2026 - Effectively planned & Conducted with all Site active personnel		Monthly
E5	Working At Height & Emergency Preparedness	August 2026 - Effectively planned & Conducted with all Site active personnel n		Monthly
E6	Confine Space Safety & Emergency Preparedness	September 2026 - Effectively planned & Conducted with all Site active personnel		Monthly
E7	Lifting Safety	October 2026 - Effectively planned & Conducted with all Site active personnel n		Monthly
E8	Isolation Safety	November 2026 - Effectively planned & Conducted with all Site active personnel		Monthly
E9	Road Safety	December 2026 - Effectively planned & Conducted with all Site active personnel		Monthly

6.2 MONITORING OF HSE PLAN("Check" Phase)

M/s FME LLC shall establish and maintain procedures to monitor HSE performance and record results. ***Ref: Mechanism 6.0- OSH Performance Monitoring and Reporting, ADOSH ver 4.0***

Monitoring shall include:

Active Monitoring:

- Monitoring performance in the absence of incidents
- Tracking progress against HSE plans and objectives
- Reviewing the effectiveness of the HSE management system
- Implementing proactive safety measures
- Conducting job observations

Reactive Monitoring:

Reporting and analyzing incidents and near misses to prevent recurrence

The Project HSE Plan shall ensure:

- Regular monitoring of HSE objectives and targets
- Routine inspections of facilities, plant, and equipment
- Analysis of emissions, discharges, and waste disposal
- Observation of work practices to verify compliance with procedures

6.2.1 HSE Inspection:

HSE inspections shall be conducted regularly in accordance with the project HSE plan. Line management at site is responsible for HSE activities. Inspections shall be carried out in coordination with department heads, supervisors, safety delegates, and the Project Manager's nominated Deputy. All HSE inspection activities shall be reported through established reporting procedures. The HSE Engineer shall maintain all HSE inspection records. Any non-conformities or issues identified shall be promptly reported to project management for immediate corrective action

6.2.2 Audit

To plan, conduct, and document internal and external HSE audits to verify the implementation, maintenance, and effectiveness of HSE systems, provide actionable recommendations, and support efficient resource use and management control.

TAQA T&D,TDBL/HS/B/S/005(Minimum HSE requirement for contractors), Section 6.19
Element-8, Audit and Inspection, ADOSH SF ver 4.0, section 3.2,
ISO 19011 (Guidelines for Auditing Management Systems).
and FME procedure

6.2.3 Internal Audit

Objective:

- Verify understanding and implementation of HSE systems by project management and senior site personnel.
- Monitor HSE plan execution and contractual compliance.
- Review HSE documents, method statements, safety systems, inspections, training, and safety statistics.
- Identify areas for improvement.

Scope:

- All activities under the contract HSE system, including planning, execution, documentation, and improvement opportunities.

Frequency:

- Quarterly by HSE Engineer.
- Monthly compliance audits for ongoing activities.

Auditor Qualification:

- HSE Engineer with knowledge of HSE systems, ADOSH SF v 4.0, TAQA Representative may participate.

Audit Process:

- Conduct audits with professional care and minimal disruption.
- Observe, gather data, analyze, and document findings, including positive practices.

Reporting:

•Audit reports submitted to Project Manager and General Manager.

- Observations classified as:
- Positive Findings / System Strengths
- Opportunities for Improvement / Suggestions
- Observations
- Nonconformity (Major or Minor)

Follow-up:

- Review major findings and corrective actions.
- Implement time-bound action plans and report completion to management.

Unplanned Audits:

- Conducted in response to complaints, trends, failures, or management requests.

6.2.4 External Audit

FME General Contracting & Maintenance will conduct periodic internal HSE audits and inspections to ensure compliance with all applicable legislation, regulations, and contractual requirements. Internal audits will be performed by competent personnel per our HSE Management System and client/regulatory standards to identify gaps and drive continual improvement. External audits will be conducted by independent, qualified auditors (e.g., ISO 45001, ISO 14001, ADOSH SF V4.0) approved by the HSE Department, with relevant industry experience.

6.2.5 Frequency and Scheduling

External audits shall be conducted at least once annually, or as required by client, regulatory, or contractual obligations. Additional audits may be arranged in response to:

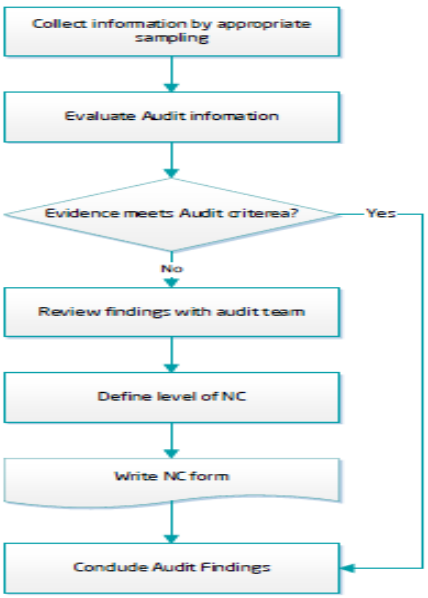
- Major incidents or near misses.
- Changes in regulatory or ADOSH SF requirements.
- Requests from the client or other stakeholders.

6.2.6 Audit Scope

The scope will include, but is not limited to:

- Compliance with applicable HSE laws, ADOSH SF Codes of Practice, and ISO standards.
- Site-specific hazards and risk control measures.
- Emergency preparedness and response systems.
- Training, competency, and awareness programs.

Implementation of previous audit findings and corrective actions.



Technical Guideline, ADOSH v 4.0	ADOSH-SF Audit Non-Conformance, sec. 3.1

ACTIONS, RESPONSIBILITIES & MECHANISMS

Action	Inspection	Responsible	Schedule	Mechanism	Record
Morning site walk	Site perimeter, barriers, signage, welfare facilities, emergency equipment.	HSE Engineer	daily	Visual inspection &checklist	Appendix 25
Toolbox Talk verification	TBT topic matches planned work. All	HSE Engineer	TBT	Spot questioning & attendance	Appendix 24 (signatures)

	workers present. Workers can explain the topic.			check	
LMRA verification	Every worker has completed LMRA. Workers understand their identified hazards.	CP	Before work starts	Visual check of completed forms &verbal confirmation	Appendix 24 (each worker's section)
PTW verification	PTW is valid, matches work being done, signatures complete, LOTO verified (if applicable).	HSE Engineer	Before work starts & random spot checks during day	PTW copy inspection &site visit	PTW copy + Appendix 25
PPE compliance	All workers wearing correct PPE for their task (including arc-flash in substation).	HSE Engineer & CP	Continuous during day	Visual observation	Appendix 25 (if non-compliance found
Excavation inspection	Shoring/benching intact, spoils pile at safe distance, barriers secure, no water accumulation.	Competent Person	Before entry each day +&after rain	Visual &measurement inspection	Daily excavation log
Lifting equipment pre-use	Crane outriggers, slings, shackles, hook condition. Color code valid (<6 months for accessories).	Operator + Rigger	Before each lift	Visual &checklist	Daily checklist (Appendix 26)
Housekeeping check	Walkways clear, tools stored, waste in bins, no trip hazards, chemical containers closed.	CP	Before work starts and end of work	Visual walkthrough	Appendix 25
Afternoon site walk	Same as morning walk. Also check fatigue signs, hydration, end-of-day securing.	HSE Engineer	Afternoon	Visual inspection &worker observation	Appendix 25
End-of-shift securing	Equipment stored, barriers reinstated, site gates locked, waste removed.	CP	End-of-shift	Final visual check	Handover log

6.2.7 Records

All audit reports, corrective and preventive actions, and supporting records shall be maintained for at least five (5) years per TAQA's HSE documentation requirements. Records must be readily accessible for client or regulatory review. Audit results, key findings, and performance trends will be reviewed in Management Meetings to monitor the HSE Management System and support continual improvement.

6.2.8 PROGRAM FOR INSPECTION & AUDITING :

The following schedule of audits/inspections shall be observed on site(Ref: Element-8, Audit and Inspection, ADOSH SF ver 4.0, section 3.1)

Inspection Program

Inspection Type	Scope	Frequency	Responsible Person	Records Maintained
Lifting equipment Inspection	Cranes, slings, shackles, hooks	Before each use and Monthly	Lifting Supervisor / Appointed Person	Lifting Equipment Inspection Register
Daily Site Safety Inspection	General work areas, housekeeping,	Daily	Site Supervisor / HSE Officer	Daily Inspection Checklist

	access/egress, PPE compliance			
Excavation Inspection	Excavations, shoring, access, utilities	Daily and after rain or changes	Site Engineer / HSE Officer	Excavation Inspection Checklist
Electrical Inspection	Temporary electrical installations and tools	Weekly	Electrical Supervisor	Electrical Inspection Register
Fire Safety Inspection	Fire extinguishers, escape routes, emergency equipment	Weekly	HSE Officer	Fire Safety Inspection Checklist
Welfare Facilities Inspection	Toilets, drinking water, rest areas	Weekly	Site Supervisor	Welfare Inspection Checklist
Environmental Inspection	Waste management, spill control, dust and noise	Weekly	Environmental Officer / HSE Officer	Environmental Inspection Report
Storage	Material, chemical etc.	Weekly	Site Supervisor/HSE Officer	Checklist
Security Arrangement	Perimeter fencing and hoarding, secure gate, Bright Flood lights, Sign in logs	Weekly	Site Supervisor/HSE Officer	Checklist

Audit Program

Audit Type	Frequency	Conducted by	Objective	Record
Internal HSE Audit	Yearly	HSE Department	Verify compliance with HSE Management System and project procedures ref: ISO and ADOSH SF ver 4.0	Internal Audit Report & Corrective Action Register
HSE Plan Audit	Bi-annual	HSE Department	Evaluate how effectively an organization's safety management system, policies, and procedures control risks and comply with legal requirements	Checklist
External	Yearly	Third Party	Verify compliance with HSE Management System and project procedures ref: ISO and ADOSH SF ver 4.0	Internal Audit Report & Corrective Action Register
Permit	≥ 4 PTW audits / month by HSE Staff	HSE Department	ensure safety compliance, verify operational integrity	Audit Record
Evacuation Drill	Every 3 months	HSE Department	Response effectiveness, and identify actionable safety improvements	Audit Record

Internal Audit Agenda

1. Opening Meeting
2. Review of previous audit findings
3. Review of project HSE objectives and KPIs
4. Documentation review
    - Risk Assessments
    - Method Statements

- Permit to Work
- Training Records

5. Site Inspection
6. Interviews with Supervisors and Workers
7. Review of Incident Reports
8. Review of Emergency Preparedness
9. Identification of Non-conformities
10. Corrective and Preventive Actions
11. Closing Meeting
12. Audit Report Issue and Follow-up

External Audit Agenda (Example)

- Opening Meeting with Client/Certification Body
- Review of Management System Documentation
- Site Inspection
- Verification of Legal Compliance
- Review of Competency and Training
- Review of Incident Investigation Process
- Review of Equipment Inspection Records
- Review of Emergency Preparedness
- Closing Meeting
- Issue of Audit Findings
- Corrective Action Plan

Auditor Competency Requirements

Audit Type	Minimum Qualification	Minimum Experience	Training Requirements	Independence Requirement	Approval Authority
Internal Audit (Full System)	ISO 45001:2018 Internal Auditor Certificate • ISO 14001:2015 Internal Auditor Certificate • ADOSH SF v4.0 awareness (Element-8)	≥ 3 years in HSE role within construction/utilities sector	• Lead auditor training (minimum 24 hours) • Annual refresher on ADOSH SF changes	Must not audit own direct work (e.g., HSE Engineer cannot audit activities they directly supervise)	FME General Manager
Internal Audit (Compliance / Activity-based)	NEBOSH IGC / IOSH MS / equivalent • TAQA PTW Competency Certificate (if auditing PTW activities)	≥ 2 years in site HSE role	• Internal audit techniques (8 hours) • Site-specific hazard training	May audit own site if accompanied by second internal auditor	FME Project Manager
External Audit (Certification)	ISO 45001:2018 Lead Auditor Certificate (IRCA or equivalent) • ISO 14001:2015 Lead Auditor Certificate	≥ 5 years as lead auditor in similar industry	• Current IRCA registration • CPD evidence (minimum 20 hours/year)	Full independence – not employed by FME or TAQA	Certification body (e.g., BAS) + FME HSE Manager

External Audit (Client / Regulatory)	Bachelor's degree in Engineering / HSE • Lead Auditor certification (ISO 45001 or ISO 19011) • ADOSH Professional / General Certificate	≥ 7 years in HSE management, including 3 years in UAE power sector	• ADOSH SF v4.0 Competency Program • TAQA Contractor HSE requirements training	Cannot have commercial or employment relationship with FME in last 2 years	TAQA Distribution HSE Manager
External Audit (Special / For-Cause)	Minimum ISO 45001 Internal Auditor • Subject matter expertise relevant to incident (e.g., lifting, electrical, excavation)	≥ 5 years in relevant discipline	• Incident investigation training (e.g., TapRooT, SCAT, 5-Why) • Relevant technical competency	Must be independent of the activity/incident being investigated	TAQA Project Manager + FME GM
Joint Audit (FME + TAQA)	FME side: Internal Auditor qualified (as above) • TAQA side: TAQA-approved HSE Auditor	• FME: ≥ 3 years • TAQA: ≥ 5 years	• Joint audit protocol training (as agreed between parties)	FME auditor must be independent; TAQA auditor naturally independent	TAQA Project Manager

Note: The requirement for "HSE Plan revision at least annually, after every 11 months based on monitoring of target & objectives or any changes in regulation and ineffectiveness of plan is identified .

6.2.9 Stop Work Authority (SWA)

Stop Work Authority (SWA) is the right and responsibility of every employee and contractor to stop any work they believe presents an immediate or uncontrolled risk to people, the environment, assets, or the integrity of the operation. No disciplinary action will be taken against any person who exercises Stop Work Authority in good faith

Who Can Apply Stop Work Authority?

Everyone on site has the authority to stop work, including: Employees, Contractors, Supervisors, Visitors (when they observe an imminent danger).

When Should Stop Work Authority Be Applied?

Work shall be stopped whenever an unsafe condition or unsafe act creates an unacceptable risk. Examples include:

6.2.9.1. Unsafe Work Conditions

- Gas leak or hydrocarbon release
- Fire or smoke
- Unsafe excavation
- Damaged lifting equipment
- Unsafe electrical installation
- Working at height without proper fall protection
- Confined space hazards

- Failure of critical safety systems

6.2.9.2 Unsafe Acts

- Bypassing safety devices
- Working without a valid Permit to Work
- Failure to wear required PPE
- Unauthorized personnel entering restricted areas
- Unsafe lifting operations
- Operating defective equipment

6.2.9.3. Environmental Conditions

- Lightning
- High winds affecting lifting operations
- Sandstorms reducing visibility
- Heavy rain causing unsafe conditions
- Poor lighting

6.2.9.4. Permit or Procedure Deviations

- Work scope differs from approved permit
- Risk assessment no longer valid
- Isolation not confirmed
- SIMOPS conflict identified
- Change in work conditions not assessed

6.2.10 Corrective actions and escalation process for the non compliances.

The corrective actions and escalation process for non-compliances generally align with international standards such as ISO 45001, ISO 14001.

Corrective Actions for Non-Compliances

6.2.10.1 Identify and Report

- Record the non-compliance immediately.
- Notify the responsible supervisor and HSE representative.

6.2.10.2 Immediate Correction

- Stop unsafe work if there is an imminent risk.
- Isolate the affected area or equipment where necessary.
- Implement temporary controls to prevent further risk.

6.2.10.3 Root Cause Analysis

- Investigate the underlying causes using appropriate techniques (e.g., 5 Whys or Fishbone Analysis).
- Identify contributing factors such as procedural gaps, training deficiencies, equipment failure, or human error.

6.2.10.4 Implement Corrective Actions

- Develop actions that eliminate the root cause rather than only correcting the immediate issue.
- Assign responsibilities and target completion dates.
- Update procedures, conduct retraining, or improve engineering controls as required.

6.2.10.5 Verification of Effectiveness

- Verify that corrective actions have been completed.
- Monitor the area to confirm that the non-compliance does not recur.

Close the finding only after effectiveness has been demonstrated.

Escalation Process for Non-Compliances

Severity	Escalation Level	Typical Action
Minor Non-Compliance	Supervisor	Correct within the specified timeframe and monitor completion
Moderate Non-Compliance	Department Manager & HSE Manager	Conduct investigation, implement corrective actions, and track until closure.
Major Non-Compliance	Senior Management / TAQA HSE Leadership	Immediate Work Stoppage, Immediate escalation, incident notification, comprehensive investigation, implementation of preventive actions, and management oversight until closure.

6.2.11 Behaviour-Based Self-Verification

A **Behavior-Based Safety (BBS)** program has been developed by Falcon Middle East as per the **"TQD Targets & Objectives** "is a proactive safety management approach that focuses on identifying, observing, and reinforcing safe work behaviours to prevent workplace incidents. It complements engineering controls and safety systems by encouraging employees to consistently follow safe work practices through observation, feedback, and positive reinforcement.

Objectives

- Reduce unsafe behaviours and workplace incidents.
- Strengthen the organization's safety culture.
- Increase employee participation and ownership of safety.
- Improve communication between workers and supervisors.
- Continuously identify and remove barriers to safe work.

6.2.12 Management of Change (MOC)

Management of Change (MOC) is a structured process used to identify, assess, approve, implement, and monitor changes to ensure that new Health, Safety, and Environment (HSE) risks are effectively managed before the change is introduced.

The purpose of the MOC procedure is to:

- Ensure all temporary and permanent changes are systematically reviewed for HSE impacts.
- Prevent incidents caused by uncontrolled or poorly managed changes.

- Maintain compliance with TAQA requirements, the TAQA 12 Essential Safety Rules (Rule 9 – MOC), ADOSH-SF Process of Risk Management, COP 20 Safety in Design, and the TAQA MOC Standard.
- Protect personnel, the environment, assets, and business operations by implementing appropriate risk controls.

It applies throughout the entire asset lifecycle—from design and construction to operation, maintenance, and decommissioning.

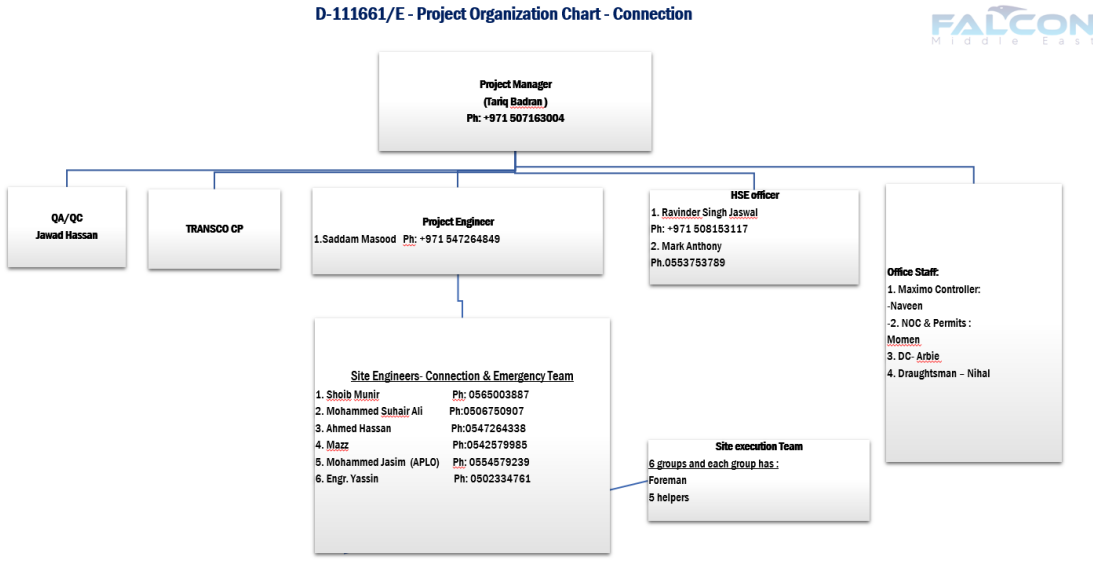
Examples of changes requiring MOC include:

- Modifications to assets, equipment, control systems, software, or hardware.
- Changes to materials, chemicals, or products.
- Changes to operating procedures, standards, or work practices.
- Organizational or personnel changes that could affect safety.
- Permanent or temporary technical modifications in power, water, metering, facilities, and inventory management.

Overall, the MOC process ensures that all changes are properly evaluated, approved, documented, communicated, and monitored so that HSE risks remain at an acceptable level before implementation.

7. SITE ARRANGEMENTS

7.1 Site Organization Chart (Contractor)



Contractors shall allocate sufficient and competent HSE resources depending on the volume of work / size of the scope / project and proportionate to the workforce to satisfy its obligation as per the contractual HSE requirements.

Ref: ***TAQA T&D,TDBL/HS/B/S/005(Minimum HSE requirement for contractors), Section 6.9***

List of Key peronnel for D111661E(LTRA):

Sr. No.	Name	Designation	Contract No.
1	Tariq Badran	Project Manager	0507163004
2	Saddam Masood	Project Engineer	0547264849
3	Ravinder Singh Jaswal	HSE	0508153117
4	Mohammad Jassim	APLO/CP	0509047822

SINGLE-SITE PROJECT

Number of Contract Workforce	HSE Manager	HSE Engineer	HSE Officer
Up to 50			1 for every 50 employees (1:50)
>50 to 100			
101 – 250		1 for every 150 employees (1:150)	
Above 250	1		

MULTIPLE LOCATIONS

No. of Simultaneous Active Work Locations	**Minimum HSE Engineer / Officer Requirement**	**Minimum Competent Persons (Site-specific)**	**Additional Requirements**
1 location (baseline)	1 HSE Engineer (full-time)	As per Section 10 (HSE Competence Requirements)	Baseline as described in this plan
2 simultaneous locations	2 HSE Engineers / Officers (1 per location)	1 CP per location	HSE Engineer shall rotate between locations weekly to ensure consistency
3 simultaneous locations	3 HSE Engineers / Officers (1 per location)	1 CP per location	Senior HSE Supervisor shall have minimum 5 years' experience and ADOSH-approved
4 or more simultaneous locations	1 HSE Engineer per location + 1 HSE Manager (project-level)	1 CP per location	HSE Manager shall be approved by TAQA TQD Focal Engineer prior to mobilization

7.2 SITE INDUCTION PROGRAM FOR EMPLOYEES:

For contractors working on TAQA projects, the contractor is responsible for ensuring that every employee completes the required induction training before being allowed to work on site.
Contractor Responsibilities

- Ensure all employees complete TAQA mandatory induction before starting work.
- Maintain valid training records and competency certificates.
- Ensure employees understand TAQA HSE rules and comply with Permit-to-Work requirements.
- Provide refresher or re-induction training whenever required or after extended absence.

This process aligns with TAQA's contractor HSE expectations, where all contractor personnel must attend site induction and be familiar with site hazards, emergency procedures, and safe working practices before commencing work

7.3 **SITE INDUCTION PROGRAM FOR EXTERNAL PARTIES:**

All external parties (visitors, subcontractors, suppliers, and clients) must complete a **mandatory site induction** before accessing the site. The induction is conducted by the Safety Department and applies to all external parties without exception.
Ref: TAQA T&D,TDBL/HS/B/S/005(Minimum HSE requirement for contractors), Section 6.9, TDBL-HS-B-S-001(12 Essential Safety Rules)

Induction topics include:

7.3.1 Registration at Entry Point

- All visitors must report to site security.
- Details recorded: name, company, contact number, time in/out, and signature.

7.3.2 Prohibitions

- Awareness of prohibited areas and prohibited activities (e.g. smoking).

7.3.3 Welfare Facilities & Assembly Points

- Location of toilets, drinking water, designated smoking areas.
- Identification of emergency assembly point(s).

7.3.4 Emergency & Evacuation Procedures

- On alarm (siren), follow ERT instructions.
- Proceed via nearest exit to the emergency assembly area.
- Do not drive vehicles offsite.
- Report to the ERT leader for name check.
- Do not leave the assembly area.
- No smoking at the assembly area.
- Do not re-enter the site until cleared by the ERT leader.

7.3.5 Site Hazards

- Key hazards explained, including excavations, plant and equipment, hazardous substances, and electrical risks.

7.3.6 Incident, Hazard & Near Miss Reporting

- All accidents, incidents, near misses, and property damage must be reported to the Safety Officer.
- Incidents must be recorded before leaving site.
- Participation in investigations may be required.
- Report hazards to your site contact and assist in implementing controls.
- Proactive safety behavior is encouraged.

7.4 Management of Pedestrian Working near Site location

- Rigid barriers (Concrete barriers/plastic barriers filled with water) will be used to mark any temporary pedestrian ways. Flasher lights and signages will be placed on the barriers at night/dusk.
- Special consideration will be given to people with special needs; provision of curb ramps or raised footways.
- When working near Villas, housing units; before removal of PASCO, interlocks or any utility; permission should be taken from Villa owners.
- Work on footpath should not obstruct pedestrians; A sufficient space of minimum 1.5m should be maintained for temporary ways.

Ref:ADOSH SF v 4.0, CoP 17.0 – Safety Signage and Signals, CoP 22.0 Barricading of Hazards, CoP 33.0 Working On or Adjacent to Road.

7.5 SUBCONTRACTOR MANAGEMENT:

Selection and Appointment:

Sub-Contractors should only be allowed to carry out work on site if they have been vetted and approved by Client and as per Employer/Consultant specification. Sub-Contractors for the past 5- 10 years you still need to regularly assess by FME General

Contracting & Maintenance L.L.C(HSE Manager/Project Manager) them in order to ensure you are adhering to FME General Contracting & Maintenance L.L.C legal obligations.

List of subcontractor/Supplier:

Sr. No	Scope of Work	Subcontractor/Supplier
1	Protection modification for the newly added 33/11 kv, 20MVA transformer & 33kv incoming cable feeder	ELMEC
2	DMS integration for the newly added 33/11kv, 20 MVA transformer & 33kv incoming cable feeder	ELMEC
3	NDRA Works – IFG	IFG
4	Soil investigation	Independent Laboratories LLC

Once the potential risks posed by the subcontractor's work have been evaluated, FME General Contracting & Maintenance L.L.C should request the following information before considering using them for a particular job:

- A copy of the contractor's health and safety policy.
- Details of qualifications and experience relevant to the task which they are to perform.
- Copies of detailed risk assessments produced in the last 12 months covering the full range of work activities pertinent to the job.
- Safe systems of work or method statements for a similar job as tendered for.
- Details of any job/task monitoring arrangements.
- Details of any formal health and safety enforcement action taken against the
- Contractor or his organization. (I.e. Improvement Notice, Prohibition Notice or Prosecution.
- Confirmation of Employers (where applicable) and third-party liability insurance Cover.
- References from previous jobs carried out in the last 12 months

7.5.1 Ongoing Management

Subcontractors who shall be hired by **FME General Contracting & Maintenance L.L.C** to perform specific task as part of the overall project scope of work shall also ensure that a review and approval procedure is in place for risk assessments and method statements prior to the commencement of the works.

7.5.2 Monitoring and Contracting Performance

FME General Contracting & Maintenance L.L.C will ensure that the standards that have been agreed through the pretender information are being adhered to. Depending on the risk and complexity of the works. **FME General Contracting & Maintenance L.L.C** shall develop and implement an audit and inspection program to cover the works that are being undertaken.

7.5.3 Key Performance

FME General Contracting & Maintenance L.L.C shall ensure the subcontractor performance against these KPI's that are defined within ADOSH SF VER. 4.0 Mechanism 6.0 – Performance and incident reporting are regularly measured and also that feedback is given to ensure they are aware of their current performance.

7.5.4 Monthly Reporting

Sub-contractor HSE monthly KPI shall be made every month as part of monthly progress report and shall include the subcontractor man hours, No. of LTI's near misses tool box talks and inspection and other reports stated in their Approved Plan Monthly waste Generation report shall be made every month.

List of Subcontractor activities

- Excavation

- Testing of Earthing value
- Installation of Earting Cable
- Crimping of Lugs and Ferrule
- Termination of Earthing Cable
- Earth bar installation
-

7.6 COMMUNICATION OF TAQA HSE REQUIREMENTS TO SUBCONTRACTORS:

FME LLC confirms that all TAQA Distribution HSE requirements shall be strictly implemented and communicated to all subcontractors throughout the project duration. The following table defines the communication methods, frequency, and evidence:

Communication Activity	**TAQA Requirement Communicated**	**(Subcontractor Role)**	**Frequency**	**Evidence of Communication**
Subcontractor pre-mobilization meeting	Full set of TAQA HSE requirements (TDBL-HS-B-S-005, TDBL-HS-B-S-001, PTW, LOTO, incident reporting, etc.)	Subcontractor Project Manager & HSE representative	Once before contract signing	Meeting minutes & sign-in sheet
Subcontractor site induction	TAQA 12 Essential Safety Rules, PTW system, emergency procedures, reporting requirements	All subcontractor personnel	Once before site access (refresher every 6 months)	Induction sign-in sheet
Daily Toolbox Talk	TAQA Essential Safety Rule of the week (rotating); PTW conditions for the day	All subcontractor workers daily	Daily	Appendix 24
Weekly HSE meeting	Review of subcontractor compliance with TAQA requirements; incidents/near misses; corrective actions	Subcontractor site supervisor	Weekly	Meeting minutes (signed by subcontractor rep)
HSE Notice Board	TAQA HSE alerts, bulletins, monthly statistics, PTW requirements	All subcontractor personnel	Continuous (updated as needed)	Photos of notice board
TAQA HSE alerts	Immediate notification of any TAQA-issued HSE alert	Subcontractor Project Manager	Within 24 hours of receipt from TAQA	Email acknowledgment

8. ROLES & RESPONSIBILITIES

8.1 Project Manger

- Set project specific HSE objectives and targets and monitor their implementation in conjunction with the HSE Engineer
- Allocate resources for HSE objectives and targets.
- Overall responsible for project HSE
- Authorizes project specific HSE plan
- Ensures that all accidents, illness and environmental incidents are investigated and measures taken to prevent recurrence.
- Conduct weekly HSE Walkthrough.

- Chair Monthly HSE Meeting of the Project.
- Coordinate with TAQA for HSE related Concerns if there any
- Participate in all HSE Site Campaigns Conducted by TAQA and FME LLC.
- Participate in TAQA Project HSE Meetings

8.2 Project Engineer

- Ensures all works are going as per the HSE Requirements.
- Ensures all the HSE concerns in site raised by HSE Engineer are closed
- Conduct Tool Box Talk along with Site Foreman.
- Participate in Monthly HSE Meeting
- Participate in weekly HSE Walkthrough
- Ensures HSE requirements are understood and achieved on the site and that a high level of HSE awareness among the workers is established.
- Identifies any need for HSE training and in conjunction with HSE Engineer ensures staffs are aware.
- Ensures that FME LLC. Equipment / tools are regularly inspected maintained and is in safe working condition

8.3 Project HSE Engineer/HSE Officer

- Identify HSE Objectives.
- To identify project specific HSE requirements.
- Preparation, control and implementation of the HSE plan.
- Advice on HSE matters when and where required.
- Compile, monitor and report overall safety statistics, identify trends and areas requiring more attention for risk reduction or improvement.
- Participate in TAQA HSE Meetings or awareness campaigns.
- Preparation of HSE Documents like Risk Assessment, HSE Forms etc.
- Conducts HSE audits as required by the project.
- Ensuring the compliance of all personnel on the site with project HSE requirements.
- Monitor the work site and report.
- Conduct a frequent site inspection and ensuring the concerned personal are informed in writing. Securing their written agreement to implement remedial measures.
- Provide tool box talks/awareness to labors and engineers.
- Identify and report insufficient knowledge or awareness.
- Identify hazards and report them.
- Stop any unsafe task or procedure.
- Arrange evacuation and gathering at the Muster Point.
- Report incidents, accidents, violations and any other observations.
- Provide first aid in case of emergencies.

8.4 Competent Person(CP)

- Read, understand and check Safety Documents before receiving.
- Follow the Safety Documents do not deviate away from them.
- Direct and supervise a team of technicians, labourers and helpers at site to perform the daily tasks to ensure that they are completed as per the OpCo SSRs.
- Plan and authorize the daily tasks.
- Complete daily toolbox talks.

- Ensure that safety requirements are available, adhered to and communicated to the team prior to the start of the task.
- Check PPE to ensure that all in adequate condition and fit for purpose.
- Communicate with control room or local operator/shift engineer upon access to or egress from site.
- Ensure any specific instructions are communicated including client notification, legal notice, e.g., midday break, adverse weather conditions alerts.
- Supervise/monitor quality of work and ensure work complies to required standards, Work Method Statement requirements.
- Check certifications of equipment and operator performing daily tasks, performing daily inspection.
- Perform early morning site check to ensure site is as required. Note any changes to the previous day and communicates with line supervisor.
- Report to line manager and AP daily performance, work completed, work in progress, issues or problems on site.
- Report SSR violations, all injury incidents and near misses to AP and line manager.
- Ensure that workplace is maintained clean, tidy, organized and removal of all waste.
- Ensure the workplace at the end of the day is safe and does not create hazard for the general public.
- Activate emergency plan in event of emergency.
- Be available on site all the time (100%) that works are in progress and not leave site during work.
- Ensure that all members of the working team are evacuated if necessary.
- Complete last-minute risk assessment and ensure all risks are controlled.

8.5 Project QA/QC

- To support Management Representative in QMS activities
- Set up and monitor QA/QC Activities at site
- Identify material sources and interface with engineer for test and ensure conformity with specification and standards
- Inspection and approval for incoming materials
- Conduct Internal Quality Audit
- Preparation of project quality plans and takes approval from TAQA
- Ensure preparation and incorporation of all the Work Methods as required by the contract and corresponding inspection and test Plans and formats
- Assist Project Manager in effective implementation of approved quality plans and QMS procedures
- Identify, calibrate and maintain Master List of Testing and Measurement Equipment

8.6 Supervisor

- Responsible for checking daily that safety conditions and practices are being adhered to.
- Logs, investigates and makes a full report for Head Office of any incident or accident that may occur (to all site staff).
- Check the condition of hand tools and equipment on a daily basis.
- Ensures good housekeeping is maintained at the work site.
- Ensures that the PPE issued for the general workers are in good condition safety practices are being followed by the general workers at site.
- Cooperates with the authorities during accident / incident investigation

8.7 First Aider

- Providing immediate, lifesaving medical care to an ill or injured person.
- Treating minor conditions, like a wound, external bleeding, or injury,
- Ensuring the patient’s safety, especially before further medical help arrives.
- Maintaining the airway of an unconscious person by placing them in a recovery position

8.8 Fire Warden

- To assist the Workplace Manager in implementing and improving effective emergency arrangements within the workplace.
- To assist in preventing emergencies by monitoring the adequacy of the fire risk control measures;
- To raise awareness with other staff about the fire hazards that exist within the workplace
- to instruct occupants in the action to be undertaken in response to a fire emergency;
- to ensure all people from within the workplace are accounted for during an evacuation and;
- to assist all people in the workplace should an emergency occur, including assisting people with special needs, e.g. helping someone in a wheelchair to evacuate.

8.9 All Employees:

- Comply with TAQA HSE policies, site rules, and legal requirements.
- Attend site induction and mandatory safety training.
- Wear required PPE at all times.
- Follow approved work methods, permits, and risk assessments.
- Stop work if unsafe conditions exist (Stop Work Authority).
- Report hazards, unsafe acts, near misses, incidents, and injuries immediately.
- Maintain good housekeeping in work areas.
- Use only authorized tools and equipment.
- Participate in toolbox talks and safety meetings.
- Protect the environment by preventing spills, waste, and pollution.
- Cooperate during emergency drills and evacuations.
- Never work under the influence of alcohol or drugs.
- Respect site security and access control requirements.

8.10 Sub Contactor

- Comply with all TAQA HSE requirements and contractual obligations.
- Provide competent, trained, and medically fit workers.
- Submit HSE plans, Method Statements (MS), Risk Assessments (RA), and Job Safety Analysis (JSA) for approval.
- Ensure workers attend site induction before starting work.
- Supply and maintain appropriate PPE, tools, and equipment.
- Ensure all equipment has valid inspection and certification.
- Appoint competent supervisors and HSE personnel where required.
- Conduct daily toolbox talks and monitor safe work practices.
- Obtain required work permits before commencing activities.
- Report incidents, near misses, and unsafe conditions immediately.
- Maintain housekeeping and proper waste management.
- Ensure only authorized personnel perform specialized work (lifting, scaffolding, electrical, confined space, etc.).
- Cooperate with TAQA audits, inspections, and corrective actions.
- Suspend work when conditions become unsafe.

8.11 Visitors

- Obtain authorization before entering the construction site.
- Complete visitor registration and site induction.

- Be escorted by an authorized site representative unless otherwise approved.
- Wear required PPE at all times.
- Stay within designated visitor areas and approved routes.
- Follow all safety signs and instructions from site personnel.
- Do not operate equipment or interfere with ongoing work.
- Report any unsafe condition observed during the visit.
- Comply with emergency procedures and assembly point instructions.
- Leave the site immediately if instructed during an emergency.

8.12 Project Responsibility Matrix, RACI- RESPONSIBLE, ACCOUNTABLE, CONSULTED, AND INFORMED

	(PROJECT RESPONSIBILITY MATRIX) RACI MATRIX								
ADDENDUM E - QUESTIONS	TASK	SUMMARY OF RESPONSIBILITIES							
		TAQA	CONSULTANT (IF ANY)	PROJECT MANAGE R	PROJECT ENGINEE R	HSE ENGINEER	SITE ENGINEER	SITE SUPERVSOR	HR MANAGER	LABOR S
HSE PLAN & APPROACH	Preparation of HSE Plan	I	A	A	C	R	I	I	I	I
HSE ORGANISATION	Allocating roles & responsibilities to project staff	-	N/A	A	I	C	-	I	R	-
	All Employee are trained as per TAQA T&D/ safety requirement and standard	-	N/A	A	R	R	I	I	-	-
HSE TRAINING & COMPETENCY	Competent staff are working in the project as per the Qualification & Competency Requirements , CRITEREA	I	N/A	A	R	R	I	-	-	-
INDUCTION/TRAINI NG PLAN ON TAQA HSE REQUIREMENT	All Employee are trained as per TAQA T&D/ safety requirement and standard based on TAQA HSE Policy and Contractor Requirements Life Saving Rules Permit to Work (PTW) Procedures	I	N/A	A	R	R	I	I	-	-

RACI Legend

Letter	Meaning	Description
R	**Responsible**	The person(s) who performs the work to complete the task. There can be multiple Responsible individuals.
A	**Accountable**	The person ultimately answerable for the task and who approves the work. There should typically be **only one** Accountable person per task.
C	**Consulted**	People whose input is sought before or during the task. Communication is two-way.
I	**Informed**	People who need to be kept updated on progress or completion. Communication is one-way.

8.14 Communication of HSE Roles and Responsibilities

The project organization shall ensure that all HSE roles, responsibilities, authorities, and accountabilities are clearly communicated to all personnel involved in the project, including the Project Manager, Project Engineer, HSE Team, supervisors, subcontractors, and employees. Effective communication of HSE responsibilities shall be maintained throughout the project lifecycle to ensure that all individuals understand their obligations and contribute to achieving the project HSE objectives.

The communication of HSE roles and responsibilities shall be implemented through the following methods:

8.14.1 Project HSE Induction : All project personnel, including direct employees, subcontractors, and visitors where applicable, shall receive an HSE induction before commencing work at the project site. The induction shall include:

- Project HSE policy, objectives, and expectations.
- Project organization structure and HSE responsibilities.
- Roles and responsibilities of key personnel.
- Reporting lines and communication channels.
- Applicable TAQA HSE requirements and project-specific procedures.
- Incident reporting, emergency response, and stop-work authority requirements.

Attendance and understanding of the induction shall be documented and maintained in project records.

8.14.2 Project Kick- Off and Pre-mobilization Meetings: Prior to commencement of site activities, HSE roles and responsibilities shall be discussed during project kick-off meetings involving the Project Manager, Project Engineer, HSE personnel, supervisors, and subcontractor representatives. Responsibilities related to planning, supervision, inspection, monitoring, reporting, and compliance shall be clearly assigned and understood.

8.14.3 Toolbox Talks and Daily Briefings: Supervisors shall communicate task-specific HSE responsibilities to employees through daily toolbox talks, pre-job meetings, and safety briefings. These sessions shall reinforce individual responsibilities, safe work practices, hazard controls, and reporting requirements.

8.14.4 HSE Meetings and Performance Reviews: Regular HSE meetings shall be conducted with project personnel to review:

- HSE performance and objectives.
- Roles and responsibilities.

- Changes in project organization or work activities.
- Lessons learned and improvement actions.
- Feedback from employees and subcontractors.

8.14.5 Subcontractor Communication: All subcontractors shall be informed of their HSE obligations through:

- Subcontractor pre-qualification and onboarding processes.
- Subcontractor HSE orientation meetings.
- Review and acceptance of project HSE requirements.
- Regular subcontractor coordination meetings.
- Monitoring of subcontractor compliance through inspections and audits.

Subcontractor supervisors shall ensure that their workforce understands their assigned HSE duties and complies with project requirements.

8.15 LEADERSHIP AND COMMITMENT

FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE LLC (FME LLC) believes that strong and visible management leadership is essential to reduce risks and improve HSE performance. Senior management is required to lead continuous HSE improvement through visible leadership, clear communication of HSSE importance in all business decisions, and effective engagement with stakeholders

Leadership Action	Site-Specific Evidence / Frequency
Leadership Site Walk	AS per contractor HSE performance Indicators(KPIs) and targets for the year 2026, “leadership site walk” >=2 safety site walkthrough/Month .
Weekly HSE Walkthrough	Project Manager conducts a formal weekly walkthrough of all active work fronts (excavation trenches, cable laying routes, substation transformer bay) using Appendix 27. TAQA representative is invited to participate. Findings are logged and tracked to closure.
Monthly HSE Steering Meeting	Project Manager. Attendees: HSE Engineer, Project Engineer, TAQA Project Manager, Consultant. Agenda includes: review of monthly HSE statistics (man-hours without LTI, near misses, inspections), outstanding corrective actions, upcoming high-risk activities (transformer lifting, live substation entry). Minutes are issued within 48 hours.
Site-Specific HSE Objectives	1. Zero LTI / Fatality for 20-month contract duration. 2. Zero environmental spill (oil, chemicals) during transformer installation. 3. 100% PTW compliance (zero unauthorized entries into BAHPRY3 substation). 4. Minimum 4 near misses / positive observations reported per week. 5. 100% completion of site induction for all personnel before first site entry.
Visible Felt Leadership (VFL)	Senior management visits site quarterly to conduct VFL tours, engage with workers, and personally verify HSE

	controls. Each VFL visit is documented with a report shared with TAQA.
Resource Allocation	Dedicated HSE Engineer full-time on site. First-aider/fire fighters (Mark Antony, Mohammed Jassim) on site during all working hours. Welfare facilities (shaded rest areas, drinking water, toilets) positioned within 100m of all active work locations. Emergency response equipment (fire extinguishers, first aid kits, stretcher) located at site office and substation entrance.
Stop Work Authority	All personnel (including laborers) have been trained and empowered to issue a Stop Work Authority if they observe an unsafe condition or act. Any SWA issued is investigated by the Project Manager within 24 hours, and the worker who issued the SWA receives positive recognition. The SWA log is maintained by HSE Engineer.

Specific Safety Culture Initiatives:

- Daily Safety Pledge: Each toolbox talk begins with a verbal safety pledge recited by the work crew.
- Weekly Safety Recognition: "Safe Person of the Week" award (gift voucher) presented at Friday toolbox talk to a worker nominated by peers for exemplary safe behavior.
- Near Miss Reporting Incentive: Any worker reporting a near miss receives immediate recognition; quarterly prize draw for those with 5+ near misses.

9. COMMUNICATION, RECOGNITION & REWARD

FME shall establish, implement, and maintain effective communication processes to ensure timely, accurate, and consistent exchange of information relevant to the Integrated Management System (IMS), Health, Safety, Environment (HSE) requirements. Communication shall be classified into **Internal Communication** and **External Communication**.

9.1 Internal Communication

Internal communication refers to the exchange of information among employees, management, departments, contractors, and project teams within the organization. The purpose is to ensure effective coordination, promote HSE awareness, communicate operational requirements, and support informed decision-making.

The following communication methods may be used:

- Management meetings
- Toolbox Talks (TBT)
- Daily work briefings and pre-job meetings
- HSE meetings and committee meetings
- Training and awareness sessions
- Internal circulars and notices
- Emails and official correspondence
- Internal memos
- Digital collaboration platforms (e.g., Microsoft Teams)
- Notice boards and digital display boards
- Incident, hazard, and near-miss reporting systems
- Internal audits and management review meetings

- Emergency drills and emergency communication systems

All internal communications shall be documented where applicable and retained in accordance with the organization's document and record control procedures.

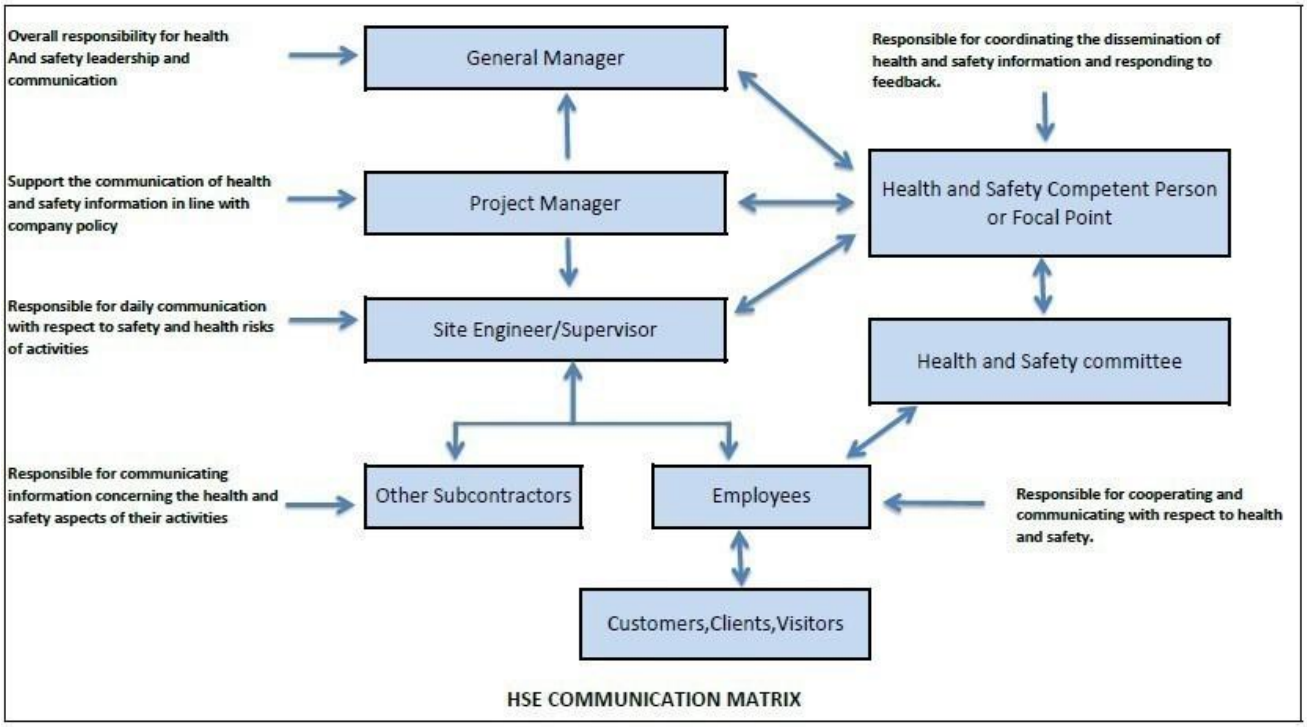
9.2 External Communication

External communication refers to the exchange of information between the organization and interested external parties to ensure regulatory compliance, contractual obligations, stakeholder engagement, and effective emergency coordination.

External communication may include communication with:

- TAQA management and client representatives
- Contractors and subcontractors
- Suppliers and service providers
- Local communities and other interested parties, where applicable
- Insurance providers
- Utility service providers

The below diagram clearly illustrates the HSE communication process and the associated responsibilities.



Ref: ADOSH SF VER. 4.0 v3.0 Element 4.0 Communication and Consultation
FALCON-IMS-PRO-14- Communication participation and Consultation

9.3 HSE PROMOTION AND RECOGNITION

Motivation is a key objective of safety promotion. It encourages employees to work and think safely, enabling the organization to achieve its goals in a safe and quality-driven manner. Motivated employees are more engaged, committed, and likely to adopt desired safe behaviors.

Ref: TDBL-HS-B-S-005, Minimum HSE requirement for contractor Section 6.10.5

9.4 HSE REWARD SYSTEM

Incentives and rewards for employees and workers are just one of the ways in which you can encourage good health and safety on site.

Incentives and rewards can be useful to:

- Encourage people to follow health and safety procedures reward those who achieve
- Outstanding health and safety performance
- Reward those who actively support a good culture on site;
- Encourage participation in safety initiatives such as surveys;
- Encourage, reward and reinforce specific safe behaviors

9.4.1 Types of incentives:

- Monthly gift vouchers – a monthly scheme whereby those receiving reward vouchers for

- Observed safe behaviors have their names entered into a prize draw to receive a cash prize Special award to any worker that reports more than five (5) near misses quarterly.
- Monthly rewards that involve an accumulation of recognition by others, e.g. a 'safe person of the
- Month' award
- Yearly bonus reward to site supervisor with minimal number of violations.
- End of project Cash bonus to Safety department if project safety targets area achieved.

9.5 HSE MEETINGS

Management HSE meeting to be held by Project Manager with HSE Engineer, Project Engineer, Site Engineer and to discuss the HSE issues and how to improve the implementation.
Different types of HSE Meetings are as per below:

SL	Meeting Type	Frequency	Peoples who attend	Agenda
1	Monthly HSE Meeting	Monthly	PM, PE, HSE Engr,HSE Engineer	Project HSE
2	Tool Box Talk	Daily	Site Supervisor, HSE Engineer	Daily activities and the HSE Risk and Precautions
3	Weekly HSE Meetings	Weekly	HSE Engineer, Supervisor Project	Near Miss, Accident/ Incident
4	Quarterly ERT Drill & ERT Team Meeting	Quarterly	ERT Team	To discuss the Emergency Preparedness, Precautions etc.
5	Pre-Audit and Post Audit Meeting	Quarterly	Auditor, HSE Engr, PM	Audit Scopes, Audit Findings, Major NCRs etc.
6	HSE Internal Meeting	Monthly	HSE Manager, HSE Engineer, HSE officer	Monthly Project HSE Statistics, Daily activities, Accident/incident
7	HSE External Meeting	Monthly	HSE Manager, HSE (TAQA), Contractor, Suppliers	Monthly Project HSE Statistics to demonstrate transparency, verify legal compliance and drive continual HSE improvement

Ref: TDBL-HS-B-S006- Minimum HSE Requirements for Contractor section 6.10

10. EMPLOYEE COMPETENCE

In line with TAQA derive towards the ongoing development of improved Health and Safety performance under the light of ZERO HARM Vision, all competent persons need to HSE reporting & Proactive Safety as per below table :

B. Leading Indicators – HSE Reporting & Proactive Safety				
B1	Incident Reporting Timeliness	100% timely reporting to TQD Focal Eng. & HSE	Report submission time	Continuous
B2	Proactive Near Miss Reporting	≥ 1 NM / quarter	No. of NM reported	Quarterly
B3	Unsafe Act / Condition Reporting	≥ 1 UA/UC per working day per Competent person	UA/UC reports	Weekly
B5	Non-HSE Reporting Contribution	≥ 50% of NM/UA/UC by non-HSE staff	Reporter role	Monthly

Ref: Contractor HSE Key Performance Indicators (KPIs) and targets for the year 2026.

10.1 Contractor's Competent Person (CP) and HSE Staff Approval Process

10.1.1 Documents required for Contractor’s Competent Person:

- Nomination letter addressed to HSE Manager and signed by the concerned Division/Dept. Manager
- Nomination form approved by the Company’s HSE team
- The Candidate’s C.V
- Qualification certificates
- Fire Fighting Training certificate
- First Aid training certificate
- Passport copy with valid Company Visa
- Personal Photo

10.1.2 Documents required for Contractor’s HSE Staff:

- Nomination letter Addressed to HSE Manager and signed by the concerned Division/Dept. Manager
- Nomination form approved by the Company’s HSE team
- The candidate’s CV with Qualification and Experience Certificates
- Qualification: Bachelor’s degree or Diploma in technical/engineering/HSE discipline, HSE Qualification
- Experience: Minimum three years’ HSE experience in large size organization
- HSE training certificates (as per the Scope of the Contract)
- Passport copy with valid Company Visa
- Personal Photo

10.1.3 For issuing a new approval certificate for a Contractor’s Competent Person the following process shall be applied by the Company:

- The Contractor shall submit the required document as defined above.
- The Document will be evaluated by HSE Department, and the nominated person will be called for HSE Exam and Interview.

- Nominated person must undergo written HSE exam. (Pass mark 80%)
- Those who successfully pass the written exam will be subject to an Oral Interview.
- Competent Certificate will be issued to those who successfully pass the Written and Oral test as per the Scope of the Contract for one year only.
- Those who fail to qualify will be given a month's time to study before being allowed to re-appear again.
- Those who fail to qualify for two times would be rejected.

10.1.4 For renewing an approval certificate for a Contractor's Competent person, the following process shall be applied by the Company

- The Contractor shall submit the nomination form approved by the Company's HSE team along with the old certificate.
- The process will be the same as new issue process

10.1.5 For issuing a new approval certificate for Contractor HSE Staff the following process shall be applied by the Company:

- The Contractor shall submit the documents as defined above.
- The documents will be evaluated by HSE Dept.
- The nominated person MUST fully understand the HSE Plan and HSE Requirements and he shall work only for the designated Contract.
- If the nominated person meets the Company's requirements, then he will be called for HSE Exam and Interview.
- HSE Certificate will be issued to those who successfully pass the Written and Oral test as per the Scope of Contract for one year only.
- Those who fail to qualify will be given a month's time to study before being allowed to re-appear again.
  Those who fail to qualify for two times would be rejected.

10.1.6 For renewing an approval certificate for Contractor HSE Staff the following process shall be applied by the Company:

- The Contractor shall submit the nomination form approved by the Company's HSE team along with the old certificate.
- The process will be the same as new issue process.

10.2 TAQA Distribution Engineering Competency Application through Maximo

- Open the TAQA Distribution Maximo application.
- Login using your assigned Username and Password.
- Navigate to Engineering Competency → New Request
- Choose the appropriate request type,
- New Apply for a new Engineering Competency.
- Renew Renew an existing competency before expiry.
- Replace Transfer an existing competency to another employer, contract, or project.

- Upgrade Upgrade the existing competency by adding a new scope or certification.

Fill in the following information:

- Contract Number
- TAQA Distribution Project Engineer
- Contractor Focal Point and contact details
- Project Location

Ensure that the selected **Contract Number & TAQA Distribution Project Engineer** corresponds to the project for which the competency is being requested.

- Complete Candidate Details including, Visa Type, Emigrates ID Number, Candidate Name, Visa Designation, contact details
- Employment Information including, Visa Expiry Date, Fire Fighting Certificate Expiry Date, Total Years of Experience
- Select Certificate Type

  01- HSE Engineer/Officer
  02- Testing & Commissioning Engineer
  03- Competent Person
  04- Cable Jointer
- Fill Scope of Certificate / Scope of Work
- Tick the applicable competency category High Voltage (HV), Low Voltage (LV), Mechanical, Civil, LAP
- Upload Required Documents

- Colored Passport Size Photograph
- Fire Fighting Certificate
- First Aid Certificate
- Educational Certificates / Qualifications
- HSE Approval Letter / HSE Plan / Risk Assessment
- Method Statement & Risk Assessment
- Updated CV
- Work Visa Copy
- Passport Copy
- Emirates ID Copy
- Current Permit Samples (Required for Renewal, Replacement and Upgrade requests)
- Other Supporting Documents (Current Competency Certificate, NOC, Training Certificates, etc).
- Accept Declaration

- Submit the Application

10.3 HSE TRAINING

The HSE Engineer shall ensure that the designated persons for the project shall have sufficient training and or experience to enable him to effectively carry out his duties. Certificates, diplomas or training attendance records shall be kept on file at the Head Office.
FME shall ensure that all personnel under their control regardless of position are given specific HSE training as the scope of work and work conditions dictate and all personnel are also trained in both general awareness of environmental issues and specific procedures aimed at avoidance of environmental damage. Before actually starting work it is essential for every Contractor, and Sub-Contractor, employee who will be engaged on the contract to receive TAQA T&D OpCo designed/approved HSE Induction Training, to familiarize them with essential HSE information (including OpCo emergency and incident reporting procedures and other key OpCo HSE rules, procedures, processes relevant to their work during engagement) ***Ref: TDBL-HS-B-S-005,Minimum HSE requirement for contractor section 6.8***

The requirements outlined below shall be incorporated into a Safety Training program for all personnel, which shall be established at the beginning of the project, Reference is made to the **"HSE Training Matrix".**

Internal Trainings	Project Engineer	Site staff	HSE Engineer	Office Staff	Electricians	Cable jointer /Fixer	Other Technicians	Non-Skilled/Drivers	Subcontractor	Visitors	Frequency
TAQA Essential safety rules/TAQA system safety rules	X	X	X	X	X	X	X	X	X		Weekly
Promotion of Positive Safety culture(Behavior based Safety(BBS))	X	X	X	X	X	X	X	X	X		Monthly
TAQA Safety Induction	X	X	X	X	X	X	X	X	X		Weekly
Lifting and Rigging Operation	X	X	X	X	X	X	X	X	X		Weekly
Slip , Trip & Fall(STF)	X	X	X	X	X	X	X	X	X	X	Weekly
Excavation Safety	X	X	X	X	X	X	X	X	X	X	Weekly
Manual Handling	X	X	X	X	X	X	X	X	X		Monthly
Risk Assessment	X	X	X	X	X	X	X	X	X		Monthly
Environmental Awareness	X	X	X	X	X	X	X	X	X	X	Monthly
Emergency Preparedness	X	X	X	X	X	X	X	X	X		Monthly
Accident Investigation	X	X	X								Monthly
Waste Management	X	X	X	X	X	X	X	X	X		Monthly
Stop Work Authority	X	X	X	X	X	X	X	X	X	X	Monthly
safe power tool operation	X	X	X	X	X	X	X	X	X		Weekly
PTW awareness and Safety Document Standard	X	X	X	X	X	X	X	X	X		Weekly

Heat Awareness	X	X	X	X	X	X	X	X	X	X	Weekly (June-15th to 15th Sept.)
External Trainings	Project Engineer	Site staff	HSE Engineer	Office Staff	Electricians	Cable jointer /Fixer	Other Technicians	Non-Skilled/Drivers	Subcontractor	Visitors	Frequency
Cable Scanner Operator		X					X				
Defensive Driving	X	X	X	X	X	X	X	X	X	X	Monthly
Scaffolding & Working at Height	X	X	X	X	X	X	X	X	X		Monthly
Fire Fighting & Emergency Response	X	X	X	X	X	X	X	X	X		Monthly
First Aid	X	X	X	X	X	X	X	X	X		Monthly
Confined Space	X	X	X	X	X	X	X	X	X		Monthly
PPE Awareness	X	X	X	X	X	X	X	X	X	X	Monthly
Electrical Safety and safe power tools operation	X	X	X	X	X	X	X	X	X	X	Monthly
Road safety Material installation	X	X	X	X	X	X	X	X	X		Monthly
Lifting & Slinging	X	X	X	X	X				X		Monthly
Chemical Handling	X	X	X	X	X	X	X	X	X		Monthly
Banksman & Flagman	X	X	X	X	X	X	X	X	X		Monthly
Mobile & Heavy Equipment Operation	X	X	X	X	X	X	X	X	X		Monthly

Ref: TDBL-HS-B-S-005,Minimum HSE requirement for contractor section 6.8
ADOSH SF VER. 4.0 Element 5 Training, Awareness and Competency

10.3.1 All staff, related to the site work including HSE Engineer/HSE officer shall undergo the following External training courses as a prerequisite by accredited center:

- Basic First Aid
- Basic Fire Fighting
- Electrical safety
- Defensive Driving
- Excavation Safety
- Manual Handling of Materials
- Safe Rigging and Slinging
- Banksman
- Lifting Supervisor
- Jack hammer Operator
- Grinding Machine Operator
- Flagman
- Confined Space Entry

10.3.2 Training Records

The company shall establish and maintain a comprehensive training record system for all employees. Training records shall include:

- Name and ID number;
- Emirates ID number of the employee;
- Subject(s) of training;
- Date(s) of training;
- Person providing the training;

Training records shall be reviewed regularly to ensure certifications remain valid. Personnel with expired qualifications shall not perform activities requiring those certifications until they have completed refresher training.

10.4 ADOSH Safety Practitioner (Qudorat Program)

The project shall ensure that safety personnel meet the competency requirements established by the Abu Dhabi Occupational Safety and Health Center (ADOSH), including successful completion of the **Qudorat Safety Practitioner Program**, where required by applicable regulations or client requirements.

10.5 Training and Awareness Arrangements

All workers shall receive appropriate training and awareness before commencing work and throughout the project duration. The following arrangements will be implemented:

- Site induction for all personnel before entering the worksite.
- Task-specific training based on the nature of the work and associated hazards.
- Daily toolbox talks to communicate work activities, hazards, control measures, and lessons learned.
- Regular HSE awareness sessions covering emergency response, incident reporting, PPE requirements, and safe work practices.
- Specialized training for workers involved in high-risk activities, including working at height, confined space entry, lifting operations, electrical safety, and permit-to-work requirements.
- Periodic refresher training to reinforce safety requirements and address changes in procedures or project activities.
- Competency verification to ensure workers are qualified and authorized to perform their assigned tasks.
- Training records and attendance registers shall be maintained and made available for review by TAQA upon request.
- Continuous monitoring and supervision shall be carried out to ensure workers understand and comply with TAQA HSE requirements and project procedures.

Ref: TDBL-HS-B-S-005,Minimum HSE requirement for contractor section 6.9

10.6 Internal Competence Verification Process

It is a structured method used by an organization to confirm that employees performing specific crafts (e.g., welder, electrician, scaffolder, rigger, pipe fitter, operator) possess the required knowledge, skills, experience, and safe work practices before being authorized to work independently.

Under the Abu Dhabi Occupational Safety and Health System Framework (ADOSH-SF), competence is not based on training certificates alone. It should be demonstrated through a combination of qualifications, experience, practical skills, knowledge, and the ability to perform work safely.

10.6.1 Objectives

- Ensure employees are competent to perform their assigned craft safely.
- Reduce workplace accidents caused by lack of competence.
- Comply with Abu Dhabi Occupational Safety and Health (OSH) requirements.
- Maintain documented evidence of employee competency.

10.6.2 Internal Competence Verification Process

Document Verification

- Verify trade certificates.
- Check educational qualifications (where applicable).
- Verify previous employment experience.
- Review licenses or statutory certificates (if required).

Knowledge Assessment

- Conduct a written or verbal test covering:
- Safe work procedures
- Hazard identification
- PPE requirements
- Emergency response
- TAQA HSE rules
- Craft-specific technical knowledge

10.7 HSE CONTINUAL IMPROVEMENT

It's the commitment to constantly analyze our safety performance through fact-based data, to address root causes and system weaknesses as soon as they are identified, and to experiment with changes that will lead to long-term systems improvement. The most effective way to reduce accidents and improve safety in the workplace is to continuously review issues, incorporate solutions, and maintain a focus on safety at all levels of the organization

Every project starts with a first step and **eight key** elements that will help to start working towards continuous safety improvement in the workplace area:

- **Work with Professionals:** Collaborate with occupational therapists, clinicians, and safety experts to assess your current safety culture and identify areas for improvement.
- **Keep It Simple:** Make safety procedures, signage, and training easy to understand. Ensure everyone knows their responsibilities and feels comfortable asking questions.
- **Address Root Causes:** Don't rely on quick fixes. Investigate underlying issues to prevent recurring problems and uncover hidden risks.
- **Encourage Positive Reinforcement:** Reward employees for reporting hazards, suggesting improvements, and promoting safety rather than focusing on punishment.
- **Engage Everyone:** Safety is everyone's responsibility. Involve employees at all levels and encourage continuous feedback and participation.
- **Report Everything:** Treat all incidents seriously, including near-misses. Addressing small issues early can prevent major accidents.
- **Invest in Safety:** A strong safety strategy reduces costs, improves wellbeing, and delivers long-term returns for the business.
- **Review and Improve Continuously:** Regularly evaluate your safety program, gather feedback, and adapt to new challenges and best practices.

11. EMERGENCY PREPAREDNESS

EMERGENCY Situations which extend beyond the immediate damage or injury event itself and which are of a serious or very serious nature can be generalized as emergency. The types of Undesired Event and the level of seriousness, which would constitute an emergency scenario, shall be identified by HSE departments, but would typically include:

Sr. No.	Emergency Scenario	Definite Emergency Response Arrangements/Actions	Training & Competency Requirements
1	Trench collapse (cave-in)	1. Stop all work immediately. 2. Raise the alarm and evacuate personnel from the excavation. 3. **DO NOT** enter an unstable trench for rescue. 4. Isolate nearby plant and vibration sources. 5. Contact the emergency response team and emergency services. 6. Rescue shall only be carried out by **trained and authorized personnel** using suitable equipment.	• **Confined Space Entry & Rescue Training:** To ensure rescuers are competent in high-risk environments. • **Emergency Response & First Aid Training:** Mandatory for all designated first aiders. • **Site-Specific Induction:** To ensure all personnel are aware of emergency procedures and alarms.
2	Striking underground utilities	1. Stop excavation immediately and keep personnel away from the affected area. 2. **DO NOT** touch or approach damaged services. 3. Evacuate if there is electrical, gas, fire, or flooding risk. 4. Isolate the affected service through the authorized utility owner where possible. 5. Notify the Site Manager/HSE and emergency services as required. 6. Preserve the area for investigation.	• **Utility Strike/Emergency Response Training:** To ensure workers know how to isolate services and evacuate safely. • **Site-Specific Induction:** To communicate procedures for handling utility strikes and contact protocols.
3	Worker falls into excavation	1. Stop work and raise the alarm. 2. Assess the casualty without creating additional risk. 3. **DO NOT** enter an unsafe excavation. 4. Provide first aid by trained personnel and arrange emergency medical assistance. 5. Secure the excavation and prevent further access until the cause has been investigated.	• **First Aid & CPR Training:** Mandatory for appointed first aiders, certified by a recognized body. • **Confined Space/Excavation Safety Training:** To ensure competency for safe rescue. • **Manual Handling Training:** For safely moving an injured person without causing further harm.
4	Flooding / water ingress	1. Stop work and evacuate the excavation immediately. 2. Isolate the water source where safe. 3. Keep workers and plant away from unstable edges. 4. Arrange pumping/dewatering by competent personnel after confirming the excavation is safe. 5. Reinspect the excavation, shoring, access, and surrounding ground before restarting work.	• **Emergency Evacuation Drills:** To ensure a smooth and rapid evacuation. • **Competency Training for Plant Operators:** To ensure only competent personnel use pumps and dewatering equipment.
5	Equipment falling into excavation	1. Stop work and isolate the area. 2. Raise the alarm and prevent unauthorized access. 3. **DO NOT** approach unstable plant or excavation edges. 4. Contact competent rescue personnel and emergency services if workers are trapped or injured. 5. Inspect the excavation and ground stability before recovery operations.	• **Lifting Equipment & Crane Operator Training:** Mandatory for all crane operators and riggers. • **First Aid & Emergency Rescue Training:** For treating trapped or injured personnel.

6	Contact with live electrical cables	1. **DO NOT** approach the casualty or equipment until the electrical supply has been confirmed isolated. 2. Stop all work, maintain an exclusion zone, and notify the authorized electrical authority. 3. Call emergency medical services for injured persons. 4. Provide first aid/CPR only when the area has been confirmed electrically safe.	• **Electrical Safety Training:** For all personnel working with or near electricity. • **First Aid & CPR Training:** To be able to provide aid safely after isolation.
7	Fire due to damaged electrical cables	1. Raise the fire alarm, stop work, and evacuate to the designated assembly point. 2. Isolate the electrical supply by an authorized person if safe to do so. 3. Use the correct fire extinguisher only where the fire is small and personnel are trained. 4. **DO NOT** use water on energized electrical equipment. 5. Call emergency services and account for all personnel.	• **Fire Warden/Marshal Training:** Mandatory for personnel responsible for fire safety, as per UAE Civil Defense and OSHAD. • **Fire Extinguisher Training:** For all personnel authorized to use extinguishers. • **Emergency Evacuation Drills:** Essential for an organized response.
8	Cable drum rolling / collapsing	1. Stop the activity and establish an exclusion zone. 2. **DO NOT** attempt to manually restrain an unstable drum. 3. Use suitable mechanical handling equipment operated by competent personnel to make the area safe. 4. Treat injured persons and arrange medical assistance. 5. Review drum securing and storage arrangements before resuming work.	• **Manual Handling Training:** To prevent injury from attempting to restrain loads. • **Forklift/Mechanical Handling Training:** For competent operation of handling equipment. • **First Aid Training:** For treating crush or impact injuries.
9	Manual handling injury	1. Stop the activity and assess the injured worker. 2. Provide first aid and arrange medical assistance where required. 3. **DO NOT** move a seriously injured person unless there is an immediate danger. 4. Secure the work area and review the lifting/pulling method, manpower, mechanical aids, and cable handling arrangements before restarting.	• **Manual Handling Training:** Mandatory for all workers who perform lifting, carrying, or pulling tasks. • **First Aid Training:** For assessing and treating musculoskeletal injuries.
10	Winch / pulling rope failure	1. Stop the winching operation and establish an exclusion zone. 2. **DO NOT** approach failed equipment until stored energy has been released and the system is confirmed safe. 3. Provide first aid and emergency medical assistance. 4. Quarantine failed equipment and investigate the failure before replacement and recommencement.	• **Lifting Equipment & Rigging Training:** To ensure all personnel understand safe working loads and equipment inspection. • **First Aid Training:** For treating injuries from recoil or flying debris.
11	Crane overturning	1. Stop all nearby activities and establish an exclusion zone. 2. **DO NOT** approach the overturned crane or suspended load. 3. Contact the lifting supervisor, competent	• **Crane Operator & Lifting Supervisor Training:** Mandatory to prevent overturns. • **First Aid & Emergency Rescue**

		recovery team, and emergency services if required. 4. Account for personnel and provide first aid. 5. Crane recovery shall be conducted only under an **approved lifting/recovery plan**.	**Training:** For treating injured personnel.
12	Dropped load / rigging failure	1. Stop lifting operations immediately. 2. Establish and maintain an exclusion zone. 3. **DO NOT** enter beneath or near the load until it is confirmed stable. 4. Provide first aid and emergency assistance for injuries. 5. Quarantine failed lifting accessories and investigate before restarting lifting operations.	• **Rigging & Slinging Training:** Mandatory for all riggers to inspect gear and secure loads. • **Lifting Equipment Inspector Training:** For competent inspection of lifting accessories.
13	Crane boom collapse	1. Raise the alarm and evacuate the affected area. 2. Establish a large exclusion zone and prevent access. 3. **DO NOT** attempt recovery until the crane is assessed by competent personnel. 4. Contact emergency services where required and preserve the scene for investigation.	• **Crane Operator & Lifting Supervisor Training:** To ensure correct crane setup and operation. • **Emergency Evacuation Drills:** For rapid and safe evacuation.
14	Load striking workers / structures	1. Stop lifting operations, raise the alarm, and isolate the affected area. 2. Assess injuries and provide first aid. 3. Make the area safe and inspect affected structures/utilities. 4. Suspend lifting until the lifting plan, exclusion zone, communication, and control measures have been reviewed.	• **Lifting Plan & Communications Training:** To ensure all lifts are well-planned and signaled. • **First Aid Training:** For treating impact injuries.
15	Crane boom contact with overhead power lines	1. Stop all movement immediately where safe. 2. **DO NOT** approach the crane or touch it until the power supply has been isolated and confirmed safe. 3. Establish an exclusion zone, notify the electrical authority and emergency services, and evacuate personnel at risk.	• **High Voltage Safety Awareness Training:** Essential for crane operators and riggers. • **Emergency Evacuation Training:** To safely move personnel out of the arc flash zone.
16	High winds / adverse weather	1. Monitor weather conditions throughout lifting and outdoor activities. 2. Suspend lifting and other affected work when conditions exceed approved limits. 3. Lower and secure loads/materials where safe. 4. Evacuate exposed areas during severe weather and resume work only after inspection and authorization.	• **Site-Specific Weather Safety Training:** To ensure personnel can recognize hazardous weather conditions. • **Lifting Supervisor Training:** To know the wind speed limits for all lifting operations.
17	Natural disaster – storm, flood, earthquake	1. Stop work and move personnel to the designated safe assembly area or emergency shelter as applicable. 2. Avoid excavations, lifting areas, temporary structures, and damaged utilities. 3. Account for all personnel. 4. Provide first aid and contact emergency services.	• **Emergency Evacuation Drills:** For safe and controlled evacuation to assembly points. • **First Aid Training:** For treating injuries sustained during the event.

		5. Conduct a post-event inspection before restarting work.	
18	Bomb threat / terrorism	1. **DO NOT** touch, move, or approach any suspicious item. 2. Stop work and notify site management/security immediately. 3. Evacuate or shelter as directed by security/emergency authorities. 4. Establish an exclusion zone and follow instructions from UAE emergency/security authorities. 5. Do not re-enter until officially declared safe.	• **Security & Emergency Awareness Training:** To ensure all personnel know how to report a threat and follow security directives.
19	Pandemic / communicable infectious disease	1. Isolate suspected cases in accordance with the approved site health arrangements. 2. Notify management/HSE and occupational health/medical personnel. 3. Follow applicable UAE public-health requirements and medical advice. 4. Implement hygiene, cleaning, ventilation, communication, and workforce-control measures as required. 5. Review staffing and business-continuity arrangements.	• **Infection Control & Hygiene Training:** For first aid personnel and employees at risk of exposure. • **First Aid Training:** To safely handle suspected cases
20	Confined Space Emergency (Worker collapse / unconsciousness / hazardous atmosphere)	1.Stop all work immediately and raise the alarm. 2. DO NOT enter the confined space for rescue without proper authorization, training and rescue equipment. 3. Isolate all energy sources and hazardous substances where safe to do so. 4. Contact the Emergency Response Team and emergency medical services. 5. Establish and maintain communication with the person inside, where possible. 6. Rescue shall be carried out by trained and competent confined-space rescue personnel using suitable rescue equipment such as tripod, retrieval system, harness and breathing apparatus, as applicable. 7. Provide first aid/CPR/AED by trained personnel once the casualty is in a safe area. 8. Prevent unauthorized personnel from entering the confined space. 9. Preserve the area for investigation after the emergency is controlled.	• **Confined Space Entry & Rescue Training:** Mandatory for personnel involved in confined-space entry and rescue. • **Gas Testing & Atmospheric Monitoring:** Required for authorized gas testers/competent persons. • **Emergency Response & First Aid/CPR:** Required for designated emergency responders and first aiders. • **Use of Rescue Equipment:** Practical competency in harness, tripod, retrieval system and other applicable rescue equipment. • **Respiratory Protection Training:** Required where respiratory protective equipment or breathing apparatus is used. • **Site-Specific Emergency Induction:** All personnel shall be familiar with confined-space alarms, emergency arrangements and muster points.
21	Lifting Operation Emergency (Dropped load / crane failure / suspended load incident)	1. Stop the lifting operation immediately and raise the alarm. 2. DO NOT approach or stand beneath a suspended or unstable load. 3. Establish an exclusion zone around the lifting area and keep all unauthorized personnel away. 4. Stop and isolate the crane/lifting equipment where it is safe to do so.	• **Lifting & Rigging Training:** Mandatory for riggers and personnel involved in lifting operations. • **Banksman/Signalman Training:** Required for designated banksmen/signalmen. • **Crane Operator Competency:** Operators shall hold valid competency/certification appropriate

		5. Inform the Lifting Supervisor, HSE Team and Emergency Response Team. 6. Contact emergency medical services if injury has occurred. 7. Do not attempt to move a fallen load until the area has been assessed and declared safe by a competent person. 8. Provide first aid/CPR/AED to injured personnel when safe to do so. 9. Inspect the crane, lifting accessories and surrounding area before any lifting activity resumes. 10. Report and investigate the incident, including failure of lifting equipment, rigging or lifting plan.	to the equipment. • **Lifting Supervisor Training:** Required for personnel supervising lifting activities. • **Emergency Response & First Aid/CPR:** Required for designated emergency responders and first aiders. • **Lifting Plan & Risk Assessment Awareness:** Personnel shall understand the approved lifting plan, exclusion zones and emergency arrangements. • **Site-Specific Induction:** All personnel shall be aware of lifting zones, alarms, emergency contacts and muster points
22	Missile & drone Strike	1. Establish emergency communication and notification system. 2.Identify designated safe shelter / protected area. 3.Stop work immediately upon receiving an official warning. 4.Conduct headcount and confirm all personnel are accounted for. 5.Follow instructions from authorities / emergency management team. 6.Do not approach, touch or move suspected debris or unexploded objects. 7.Provide first aid and arrange emergency medical support when required. 8.Conduct periodic emergency drills and awareness sessions. 9.Resume work only after official clearance and site safety verification.	•Emergency communication awareness •Shelter-in-place awareness •Evacuation / muster training/Mock Drill •Missile/drone threat awareness •Emergency reporting procedure •First aid training •Post-emergency re-entry/resume work awareness

11.2 Emergency Response Team(ERT): The ERT is responsible for carrying out tactical response based on ERP (fire, evacuation, medical, spill, etc.). The ERT includes the following personnel:

- Person In Charge (Incident Controller)
- HSE In Charge
- ERT Members

ETR must be capable and proficient in carrying out assigned duties. Irrespective of the site arrangement, especially in trench excavation collapse case, the Response team must be able to get across to the scene of incident and the management must ensure adequate provision is given for this. Necessary notification should be made to the appropriate authorities such as Police, Civil Defense, TAQA so as satisfy necessary legal requirements. Emergency Procedures be compatible with TAQA procedures, UAE Fire & Life Codes and Other Authorities as Applicable.

FME must develop, document, implement and maintain appropriate Emergency Management Procedure(s) in compliance with the requirements of this document and all relevant Federal and Local Authorities requirements.

11.2.1 Typical mandatory training includes:

- Emergency response procedures and roles/responsibilities
- Fire prevention and firefighting
- First aid and CPR (where applicable)
- Evacuation and rescue procedures

11.2.2 In addition to classroom training, ERT members should participate in:

- Regular emergency drills and mock exercises
- Periodic refresher training to maintain skills .

11.2.3 EMERGENCY CONTACT DETAILS:

External

Abu Dhabi Distribution Company Emergency Line	**8002332**
Police	**999**
Ambulance	**998**
Civil Defense	**997**
Water and Electricity	**991 or 992**
Environment Agency Abu Dhabi (EAD)	**800 9990**
Abu Dhabi OSH Center	**02 693 4747**
Abu Dhabi Municipality	**993**
Marine emergencies, accidents or suspicious activity (Critical National Infrastructure Authority):	**996**
Weather condition and earthquakes	**+971 2 666 7776**

Internal (FME)

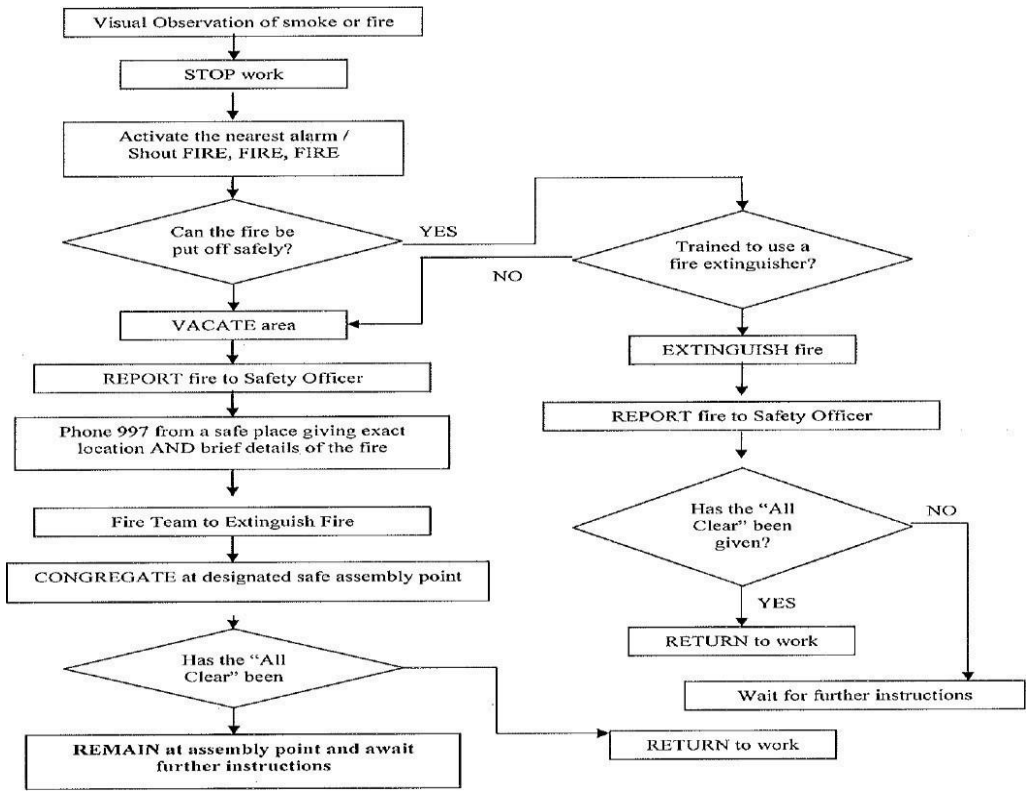
Project Manager	Tareq Badran	**0508993159**
Project Engineer	Saddam Masood	**0547264849**
HSE Engineer	Ravinder Singh	**0508153117**
First Aider/ Fire fighter 1	Mohd. Yassin	**0547721935**
First Aider/ Fire fighter 2	Mohammed Jassim	**0554579239**

NEAREST HOSPITAL DETAILS

Name of Hospital: Al Rahba Hospital ,

Contact No: 800 50

EMERGENCY FLOW CHART (FIRE)



Ref: ADOSH SF VER. 4.0 Element-6, Emergency Management

11.3 EMERGENCY MOCK DRILL:

Preparing for an emergency situation might not be the most exciting aspect of your workday, but it's undoubtedly one of the most crucial. Emergency drills are a vital part of ensuring safety at the workplace. FME shall Mock conducted at least once every quarter for testing and checking of Emergency equipment for their fitness for use. Management Review of Emergency Drills observations and actions in monthly HSE project meeting.

Ref: TDBL-HS-B-S-005 Minimum HSE requirement for contractor section 6.17

Emergency Response Preparedness Plan

Drill Scenarios	COUNTS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Compliance %
Stop Work Authority Drills	2			p								p		0	0
Heat stress drill	3						p	p	p					0	0
Fire & Mustering drill	12	p	p	p	p	p	p	p	p	p	p	p	p	0	0
Fire Drill	2				p						p			0	0
Medical Emergency Drill	1					p								0	0
Working At Heigh Drill	1								p					0	0
Confined Space Evacuation Drill	1		p											0	0
Excavation Emergency Drill	3	p			p								p	0	0
Chemical Spill Response Drill	2		p							p				0	0
Other Drill	1									p				0	0
Drill with TAQA-D O&M	1										p			0	0
Drill with External Gov Parties	0													0	#DIV/0!
Drill briefing/awareness sessions														0	
Low Risk Observations														0	
Medium Risk Observations														0	
High Risk Observations														0	
Drill Total Observation														0	
Drill Open Observation														0	
Drill Closed Observation														0	

Note:

1. Contractor shall conduct fire and mustering drills on a monthly basis, or upon a cumulative change of twenty-five percent (25%) of site personnel
2. Drill reports shall be submitted as part of the Contractor's Monthly Progress Report, and any monthly submission not supported by the required drill report shall be deemed incomplete.
3. Status of each month planned drill shall be declared in the first monthly submission as P (Planned).
4. Contractor shall invite TAQA P&C HSE to attend not less than three (3) drills per calendar year for performance monitoring and continual improvement.
4. Failure to comply with any requirement of this Clause shall constitute a non-compliance under the Contract, and, without prejudice to any other rights, TAQA may, at its sole discretion, apply performance score reductions, issue Non-Conformance Reports (NCRs), withhold interim payments, suspend related site activities, or otherwise escalate the matter in accordance with the Conditions of Contract and TAQA policies.

P - Plan, C - Complete

NOTE :Other Drill- Lifting Drill

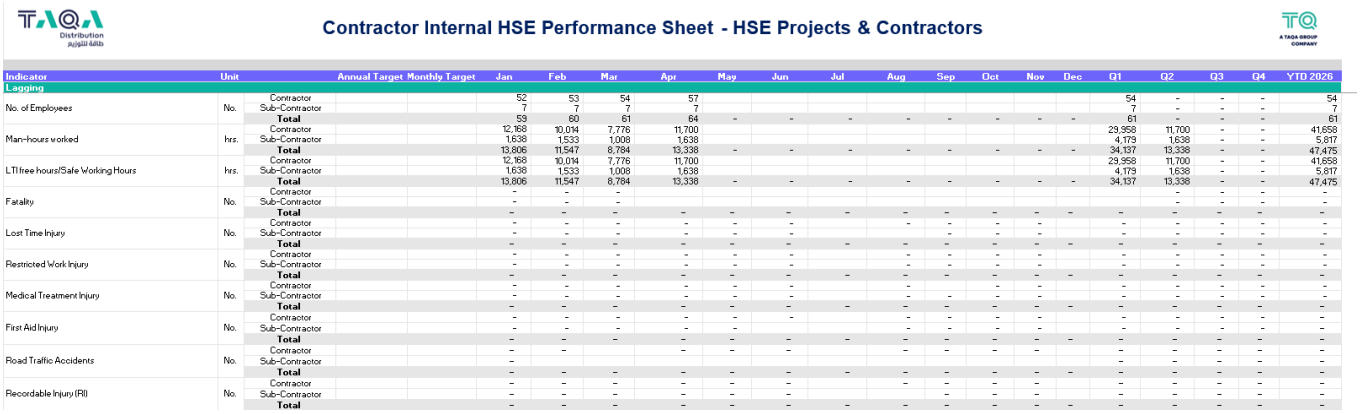
Ref: TDBL-HS-B-S-005,Minimum HSE requirement for contractor
ADOSH SF v 4.0, Element-6, Emergency Management , CoP 4.0 First Aid and Medical Emergency

12. PERFORMANCE MONITORING & REPORTING

FME OSH Management Representative (MR) will develop the oversee the monitoring of the company OSHMS and the monitoring will include:

- Monitoring of the OSH Targets and Objective;
- Overall OSH performance; Audit and Inspection results; Incidents Investigation Reports; Compliance to reporting timescales, both performance and incidents;
- Closure of identified corrective actions; Lost Time Injury Frequency rate; Total Reportable Case Frequency and Number of Fatalities
- Relevant requirements outlined in relevant ADOSH SF VER. 4.0 Documents.
- Requirements outlined in TAQA, ABU DHABI Municipality/ Competent Authorities permits/ licenses/ no objection certificates, or equivalent;
- Monitoring the effectiveness of OSH programs and control measures;
- Proactive and reactive measures of performance to monitor conformance with OSH programs and control measures;
- Monitoring compliance with applicable Federal Occupational Standards and ADOSH SF VER. 4.0 System Framework – Standards and Guideline values;
- Requirements outlined in approved HSE Plan;

- Description of methodologies and instruments used to monitor, including, calibration requirements and records.



Contractor Internal HSE Performance Sheet - HSE Projects & Contractors

Indicator	Unit		Annual Target	Monthly Target	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD 2026
Lagging																					
No. of Employees	No.	Contractor			52	53	54	57									54	-	-	-	54
		Sub-Contractor			7	7	7	7									7	-	-	-	7
		Total			59	60	61	64	-	-	-	-	-	-	-	-	61	-	-	-	61
Man-hours worked	hrs.	Contractor			12,168	10,014	7,776	11,700									29,958	11,700	-	-	41,658
		Sub-Contractor			1,638	1,533	1,008	1,638									4,179	1,638	-	-	5,817
		Total			13,806	11,547	8,784	13,338	-	-	-	-	-	-	-	-	34,137	13,338	-	-	47,475
LTI free hours/Safe Working Hours	hrs.	Contractor			12,168	10,014	7,776	11,700									29,958	11,700	-	-	41,658
		Sub-Contractor			1,638	1,533	1,008	1,638									4,179	1,638	-	-	5,817
		Total			13,806	11,547	8,784	13,338	-	-	-	-	-	-	-	-	34,137	13,338	-	-	47,475
Fatality	No.	Contractor			-	-	-											-	-	-	-
		Sub-Contractor			-	-	-											-	-	-	-
		Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lost Time Injury	No.	Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Sub-Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Restricted Work Injury	No.	Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Sub-Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medical Treatment Injury	No.	Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Sub-Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
First Aid Injury	No.	Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Sub-Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Road Traffic Accidents	No.	Contractor			-	-		-	-	-		-	-	-	-		-	-	-	-	-
		Sub-Contractor			-												-	-	-	-	-
		Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Recordable Injury (RI)	No.	Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Sub-Contractor			-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
		Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

12.1 Proactive and Reactive Monitoring

Sr. No	Monitoring Type	Monitoring Activity	Frequency	Monitoring Criteria	Respon sibility	Record/Evid ence
1	Proactive	Site HSE Inspection	Daily/Weekly	Workplace conditions, housekeeping, PPE, access/egress, barricading, signage, unsafe conditions	HSE officer/ Supervi sor	Inspection Checklist with evidences
2	Proactive	LMRA/Too lbox Talk	Daily/before activity	Task hazards, controls, PPE, emergency arrangements, lessons learned	Supervi sor/CP	LMRA records
3	Proactive	HSE walkthroug h	Weekly	Compliance with HSE plan, MSRA, PTW and site controls	HSE	Walkthrough report
4	Proactive	Near Miss Reporting	>=1/Quarter >=50% by non-HSE staff	No. of NM reported, the standards and indicators used to identify, evaluate, and track unplanned events.	Staff	NM report
5	Proactive	Unsafe act/Conditio n	>=1 per day by competent person >=50% by non-HSE staff	No. of UA/UC, Monitoring criteria for **unsafe acts** (human behaviors) and **unsafe conditions** (environmental or physical hazards) involve tracking specific, observable metrics during workplace inspections, behavioral safety audits	Staff	UA/UC/Posi tive observation records
6	Proactive	PTW audit	>=4 /month	Valid permit, authorized persons, controls, isolation and permit condition	HSE staff	PTW checklist
7	Proactive	MSRA review	>=4/weekly	Adequacy of hazards, risk controls, emergency arrangements and approval status	Project Engine er	Approved MSRA
8	Proactive	HSE plan audit	>=2 /bi-annual	organization's safety management system conforms to regulatory	HSE/Pr oject manage	Audit record/check list

				standards, corporate policies.	r/Project Engineer	
9	Proactive	HSE plan review	Annually	evaluates whether a project-specific safety document meets legal standards, identifies operational risks, and establishes proper controls before work begins.	HSE/Project manager/Project Engineer	HSE Plan review record
10	Proactive	Heat Stress Monitoring	Daily during applicable period	Temperature/heat conditions, water, rest breaks, shaded area and worker awareness	HSE / Supervisor	Heat Stress Record
11	Proactive	Environmental Monitoring	Weekly / Monthly	Waste management, dust, noise, spills, water/soil contamination and legal requirements	HSE / Environmental Officer	Environmental Checklist
12	Proactive	HSE Performance Review	Monthly	Inspection findings, training status, open actions, trends and KPI performance	HSE / Project Manager	Monthly HSE Report
13	Proactive	HSE Training & Competency Monitoring	Monthly / As required	Required training completed, competency and validity of certificates	HSE / Training Coordinator	Training Matrix & Certificates
14	Proactive	Emergency Drill / Mock Drill	Quarterly / As per HSE Plan	Response time, evacuation, communication, headcount and emergency arrangements	HSE / Emergency Team	Drill Report & Attendance
15	Proactive	Emergency Equipment Inspection	Weekly / Monthly	Fire extinguishers, first-aid kits, emergency contacts, alarms and emergency access	HSE Officer	Inspection Checklist
16	Proactive	Equipment / Tools Inspection	Before use / Monthly	Certification, condition, guards,	Supervisor / HSE	Inspection Checklist
17	Reactive	Incident / Accident Investigation	Immediately after incident, 100% timely reporting to TQD Focal Eng. & HSE	Injury, property damage, environmental impact, root cause and corrective actions	HSE / Investigation Team	Investigation Report
18	Reactive	Lessons Learned / Safety Alert	After significant incident	Applicability to other activities/projects and required control improvements	HSE	Safety Alert / TBT Record

The term "accident" can be defined as an unplanned event that interrupts the completion of an activity, and that may (or may not) include injury or property damage. An incident usually refers to an unexpected event that did not cause injury or damage this

time but had the potential. "Near miss" or "dangerous occurrence" is also terms for an event that could have caused harm but did not (Incident investigations shall be conducted in accordance with ***TAQAD-incident investigation report-Guideline,***
The Senior Contractor's Representative on site or his immediate superior in his organization shall attend and actively participate in the HSE Meetings. Contractors shall submit to, and as required by HSE Department, periodic HSE performance reports weekly, monthly, quarterly, and annually as appropriate. These reports shall consist of both leading (proactive) indicators such as data from HSE meetings/toolbox talks, unsafe acts/conditions, inspections/audits, emergency response drills as well as the lagging (reactive) indicators. The lagging indicators shall include incidents and their consequences such as fatalities, lost time injuries, medical treatment cases, occupational illnesses, near-misses, total recordable cases, and the relevant incident frequency rates as determined by the Company, and in-line with Department of Energy reporting requirements. Environmental incidents such as oil/chemical spills shall also be reported.

12.2 TAQA Mandatory HSE Reporting Protocol

In accordance with **TAQA Distribution HSE requirements**, the Contractor shall comply with the mandatory HSE reporting protocols covering **daily, weekly, monthly, and incident reporting**.

All reports shall be submitted using **TAQA-approved formats, QR-based systems, and defined timelines**. Backdated reporting is strictly prohibited.

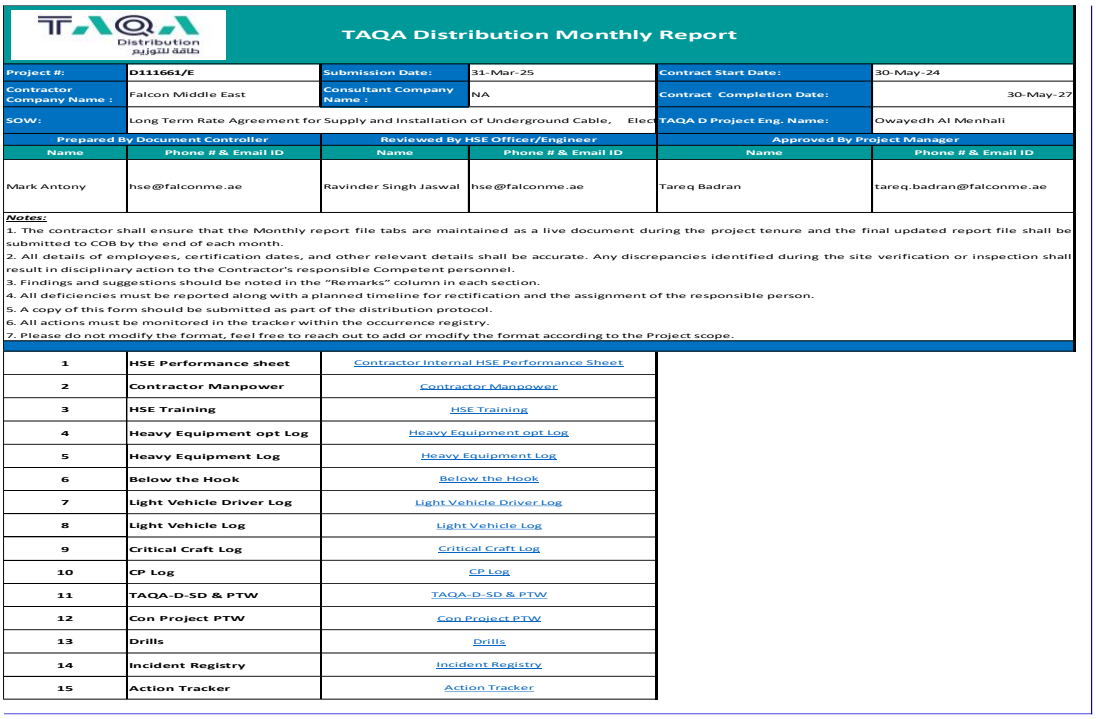
Daily, and Monthly HSE Reporting

12.2.1 HSE Reporting Protocol Table

Reporting Title	Date / Frequency	Mode of Reporting	Responsibility	Remarks
HSE Daily Progress Report	Daily	QR Code (TAQA System)	HSE/CP	End of shift – No backdated entries
Unsafe Act (UA), Unsafe Condition (UC) & Positive Observation (PO)	Daily	QR Code (TAQA System)	HSE/CP/Project Engineer/Project Manager	Mandatory daily submission
TAQA Distribution Monthly HSE Report	Monthly	Excel Sheet (TAQA Format)	HSE/CP/Project Engineer/Project Manager	Official TAQA format to be used

12.2.2 Monthly Report Distribution

The Monthly HSE Report shall be emailed to the **TAQA Distribution HSE department('TAQA D HSE Projects & Contracts' hse.projects@taqadistribution.com) and stakeholders**:



TAQA Distribution Monthly Report

Project #:	D111661/E	Submission Date:	31-Mar-25	Contract Start Date:	30-May-24
Contractor Company Name :	Falcon Middle East	Consultant Company Name :	NA	Contract Completion Date:	30-May-27
SOW:	Long Term Rate Agreement for Supply and Installation of Underground Cable, Elec			TAQA D Project Eng. Name:	Owayedh Al Menhali

Prepared By Document Controller		Reviewed By HSE Officer/Engineer		Approved By Project Manager	
Name	Phone # & Email ID	Name	Phone # & Email ID	Name	Phone # & Email ID
Mark Antony	hse@falconme.ae	Ravinder Singh Jaswal	hse@falconme.ae	Tareq Badran	tareq.badran@falconme.ae

Notes:
1. The contractor shall ensure that the Monthly report file tabs are maintained as a live document during the project tenure and the final updated report file shall be submitted to COB by the end of each month.
2. All details of employees, certification dates, and other relevant details shall be accurate. Any discrepancies identified during the site verification or inspection shall result in disciplinary action to the Contractor's responsible Competent personnel.
3. Findings and suggestions should be noted in the "Remarks" column in each section.
4. All deficiencies must be reported along with a planned timeline for rectification and the assignment of the responsible person.
5. A copy of this form should be submitted as part of the distribution protocol.
6. All actions must be monitored in the tracker within the occurrence registry.
7. Please do not modify the format, feel free to reach out to add or modify the format according to the Project scope.

1	HSE Performance sheet	Contractor Internal HSE Performance Sheet
2	Contractor Manpower	Contractor Manpower
3	HSE Training	HSE Training
4	Heavy Equipment opt Log	Heavy Equipment opt Log
5	Heavy Equipment Log	Heavy Equipment Log
6	Below the Hook	Below the Hook
7	Light Vehicle Driver Log	Light Vehicle Driver Log
8	Light Vehicle Log	Light Vehicle Log
9	Critical Craft Log	Critical Craft Log
10	CP Log	CP Log
11	TAQA-D-SD & PTW	TAQA-D-SD & PTW
12	Con Project PTW	Con Project PTW
13	Drills	Drills
14	Incident Registry	Incident Registry
15	Action Tracker	Action Tracker

12.2.3 Incident Notification and Investigation (TAQA Requirements)

All incidents, near misses, first aid cases, unsafe acts, unsafe conditions, and serious incidents shall be reported strictly in accordance with the TAQA Distribution Incident Investigation Guideline.

The Initial Incident Notification (IIN) shall provide preliminary details of the incident. The Final Incident Report (FIR) shall include:

- Detailed incident description
- Root cause analysis
- Corrective and preventive actions
- Assigned responsibilities and completion timelines

No incident shall be concealed, delayed, or misreported. Full cooperation shall be provided to TAQA during incident investigation and follow-up. Ref : OP.HS.06, **Incident Reporting and Investigation Procedure**

12.3 TAQAD - Incident Investigation Report – Guideline

Reporting Timeline:

12.3.1 Verbal Communication: Consultant or Contractor Resident Engineer / Project Manager must call and inform the TQD Project Manager/Eng/focal point/End-User immediately after any incident or as soon as it is safe to do so.

12.3.2 Initial Incident Notification (IIN): This must be submitted within 2 Hours of the incident occurrence, followed by an email notification using the below template to all stakeholders (Contractor/Consultant key reps, TAQA TQD – Focal points (Manager/engineers) and including HSE.projects@taqadistribution.com

12.4 Tips for Initial Serious Incident Briefing:

- *Keep it short: Focus on what, where, when, who, and initial impact.*

- *Use bullet points: Makes it easier for recipients to scan quickly.*
- *Follow up with details later: Save in-depth analyses (root cause, corrective action plan, etc.) for a subsequent, more detailed report.*
- *Blank table you can copy and paste into email body and share with TAQA D*

Field	Details
Incident Date & Time	
Incident Category (Injury, NM, or Property Damage)	
Location	
Brief Description of the Event / Activity	
Injury/Fatality Description	
Departments/Contractors	
Immediate Actions Taken	
Attachments/Photos	
Next Steps	
Contract/Project No. & Details	
Contractor Company Name	
Contractor Company Focal Point Contact No. & Email	

Insert Contractor Company Logo	[Incident Investigation Report]

[To be used by TAQA Distribution Contractors]

Note: To be submitted within Ten (10) days of the incident occurrence.

INCIDENT INVESTIGATION REPORT

Incident Title:

Incident Date	Click or tap to enter a date.
Report Issue Date	Click or tap to enter a date.
Incident Reference No.	

Investigation Team				
S. No.	**Name**	**Department / Contractor**	**Job Title**	**Signature**
1.				
2.				
3.				

Interim Investigation Progress: This should be submitted within **three (3) days** of the incident occurrence.

Incident Investigation Report (IIR): This final report must be submitted within **ten (10) days** of the incident occurrence.

- Near Miss
- First Aid Cases
- Any other recordable incidents
- Serious Incident Notification Process

Ensuring senior leaders are promptly informed of any event posing significant risk to employees, contractors, or the public.

The Process Objective: Provide a rapid, structured method to inform leadership of serious HSE incidents

- Serious Incident Definitions
- Fatality or Significant Injury

Any critical injury that requires hospitalization or fatality (including those initially appearing natural) involving staff, contractors linked to TAQA Distribution operations, assets, or premises.

Examples:

- Falls from height during substation maintenance
- Electrical shocks or burns due to contact with live assets
- Road traffic accidents involving TAQA Distribution vehicles resulting in hospitalization of the driver or passengers

Public Injury

Any injury to a member of the public arising from TAQA Distribution's operations, assets, or activities, requiring medical attention.

Examples:

- Member of the public gets contact with live equipment resulting in electric shock or burns
- Slips or falls within TAQA-managed premises (e.g., customer service areas)
- Camel getting electrocution as result of contact with live electrical equipment

Fires

Any outbreak of fire occurring in TAQA-owned or operated buildings, assets, projects, or contractor sites that requires mitigation by civil defence.

Examples:

- Fires in company buildings (e.g., substations, offices, stores...etc. that required civil defense intervention)
- Flames or smoke observed at contractor project sites (e.g., construction zones)

Ref: TAQA T&D TDBL-HS-B-S-005, Minimum HSE requirement for contractor,
ADOSH SF VER. 4.0 Mechanism 11.0 Incident Notification- Investigation and Reporting

12.5 MANAGEMENT REVIEW:

Corrective actions and continual improvement are essential to ensure the effectiveness of the management system. The HSE plan includes formal audits, regular monitoring, and structured management reviews to verify suitability, adequacy, and

performance. Employee, contractor, and client concerns are considered in these reviews. Department heads address nonconformities promptly to eliminate root causes.
For any noncompliance ***with ISO 9001:2015, ISO 45001:2018, or ISO 14001:2015***, ***Element-9, compliance and Management Review, ADOSH SF ver 4.0*** sec. 3.7
Criteria for the review, that shall include as a minimum:

- review of the OSH MS by entity OSH staff;
- Status of action on previous OSH Management system review results;
- the adequacy of resources for maintaining an effective OSH management system;
- results of internal and external audits and action on audit findings;
- risk management program;
- OSH performance against targets and objectives;
- changes to legal and other requirements;
- other changes that impact the organization;
- relevant communications and complaints;
- OSH incidents, investigations, non-conformances and corrective and preventative actions; and
- recommendations for continual improvement

13. SITE SECURITY

- FME shall be responsible for the security of its own facilities including material, vehicles, tools, equipment, and any other possessions of FME.
- FME shall control access at all the gates and entrances to the company 24 hours a day, 7 days a week.
- FME shall issue numbered, reasonably tamper proof ID badges to FME & contractor employees.
- FME shall ensure access passes and ID badges are visibly displayed at all times and present it to Security at the access gates.

13.1 Work site offer particular security challenges:

- Busy sites mean constant movement. With workers being focused on their own areas and tasks, the site may be vulnerable to opportunists who may just walk in unchallenged to help themselves, or enter the site to check out the layout, value of assets and presence (or not) of onsite security, in order to return later for a more organized theft spree.
- A variety of access points are often needed, for vehicles, construction site workers and for authorized visitors, such as managers and building control. Access points and arrangements may constantly change as work progresses and may be particularly vulnerable as phases of work move on.
- Movement and storage of vehicles which may need to be kept onsite temporarily can be a challenge to secure in a cost-effective and safe manner.

13.2 SECURITY ESSENTIALS:

- Every construction site is different, both in location, environmental factors and needs, but in order to achieve security, there are common factors for fundamental security:
- Thorough risk analysis is essential for the site and should reflect physical security, operational security and changes across each phase of work.
- Protocols should be put into place to reduce risks identified in the risk analysis.
- Limiting access, both to vehicles and visitors on foot, is essential in reducing opportunity for unauthorized access. Numbers should be limited and only authorized vehicles and persons present – no one, including site workers, should be able to access a site through an open entrance.
- Vehicle vulnerability should be addressed with action which includes key protocols so that plant which is temporarily not in use is not left unattended with keys in the ignition. All keys should be signed in and out and vehicles not in use

should be locked in a separate parking area or garaged onsite. All plant should be fitted with immobilization devices and tracking.

13.3 PHYSICAL SECURITY :

- This involves embedding robust security which supports the infrastructure of the site. This means installing measures such as:
- CCTV,alarm system sand signage – including highly visible systems which offer remote monitoring and recording both as deterrent and quick alert to problems arising. Warning signage and out-of-hours security contact information are essentials.
- Access control – as well as minimal access points, this includes installing suitable, industrial security gating so that gates cannot be simply unhinged after hours.
- Lighting – as both a visible deterrent and aid to security, lighting can particularly protect access points and should be fitted to areas which are inaccessible and therefore cannot be disabled by intruders.
- Fencing and barriers –The work sites install site perimeter security of at least 2.4 meters high. Additional security can be gained by deploying:
- Barriers within the site to create separately secure areas. Anti-climb, palisade and / or welded mesh fencing as these reduce access through climbing and makes intruders visible.
- Kerbs and bollards if there is a risk of uninvited vehicle access across any part of the perimeter.
- Locks – sites should include lockable storage such as steel tool vaults and containment so that all equipment, tools, metals and materials can be secured out of sight overnight and when not in use, to reduce visible temptation to opportunists. Fuel stores should also be adequately protected, to prevent both theft and possible use as part of an arson attack. All access points should be lockable after hours, using tamper-resistant methods, for example robust padlocking rather than shackles which could be cut.
- Scaffolding – a resource often used by criminals to gain further access to property, all types of scaffolding, including scaffolding towers and ladders should be locked away when not in use.

13.4 OPERATIONAL SECURITY

This is the essential human overview and involvement in the security of the construction site. This may include designated personnel to oversee:

- Provision and monitoring of risk management, assessment and health and safety protocols.
- Manned guarding – with guards who are suitably qualified and hold a current Abu Dhabi Municipality Approved license. 24-hour guarding is probably essential for larger sites whilst smaller sites may find mobile patrols or dog security more appropriate. In addition to this, for night security no lone working, minimum two security to be deployed as per Buddy system.
- Entry and exit monitoring.
- Locking away and security marking of plant, tools and equipment.
- Key use protocols. Managing and operating technology which supports security, such as setting alarms and automated systems (particularly important as the site develops and areas become additionally or differently vulnerable).
- Finally, for any security put into place, it's essential that site managers and workers share full involvement in the development of site security, are aware of systems and protocols and take responsibility for using these appropriately at all times.

14. SAFETY

14.1 PERMIT TO WORK

General

All construction, refurbishment, reinstatement, and associated activities carried out within TAQA Distribution assets, substations, and operational areas shall be executed strictly in accordance with the TAQA Distribution Permit to Work

(PTW) system.
The PTW system is a formal control mechanism used to ensure that hazardous or high-risk activities are conducted safely by identifying hazards, implementing appropriate control measures, and obtaining authorization prior to commencement of work.
No work shall commence unless a valid and approved TAQA Permit to Work has been issued by the TAQA Authorized Person. Contractor-issued permits shall not be considered valid unless formally approved by TAQA.

14.1 Objectives of the Permit to Work System

The objectives of the TAQA Permit to Work system are to:

- Ensure that all hazards associated with a specific activity are identified, assessed, and controlled prior to commencement of work
- Confirm that work is authorized only after implementation of required safety precautions
- Clearly communicate the scope of work, hazards, and control measures to all personnel involved
- Prevent unauthorized access to restricted, live, or operational areas
- Provide enhanced control for high-risk and non-routine activities within TAQA assets

14.1.2 Applicability of the TAQA Permit to Work System

Permit to Work (PTW) System

The project shall implement the TAQA T&D Permit to Work (PTW) System in full compliance with:

- TDBL-HS-B-S-007 – TAQA T&D Permit to Work in Capital Projects
- TDBL-HS-B-S-006 – TAQA T&D Safety Documents Standard

The PTW system shall be applied to **all construction and project activities**, including:

A) Work On the System

Activities performed directly on live or isolated TAQA T&D assets, including but not limited to:

- Electrical equipment
- Substations
- Cables, overhead lines, and associated apparatus

Such activities shall only be conducted under an approved PTW issued by an Authorized Person (AP) and held by a Competent Person (CP), with all isolations, earthing, and safety documents completed as per TAQA requirements.

B) Work Near the System

Activities conducted within the defined safety distances of TAQA T&D assets where there is potential risk from live equipment.
These activities shall:

- Be controlled through a Permit to Work and/or Limited Access Permit (LAP) as applicable
- Include clearly defined exclusion zones, barriers, supervision, and toolbox talks
- Be supported by approved Risk Assessments and Method Statements

C) Out-of-System Work

Construction activities not directly interfacing with live TAQA assets but occurring within TAQA premises or project boundaries.]

These activities shall:

- Follow the contractor's PTW system aligned with TAQA minimum requirements
- Be reviewed and approved by the Project Consultant / TAQA Project Manager
- Be subject to TAQA HSE audits and inspections]

All PTW activities shall comply with TAQA's 12 Essential Safety Rules, and any PTW violations shall be treated as serious safety breaches.



Updated Reporting Methods

- **The comment regarding "updated reporting methods" likely refers to the shift from paper-based to** digital real-time reporting**, specifically using QR codes. The current plan already mentions QR codes, but it needs an enforcement clause.**
- QR Code Protocol**: Insert a sub-section explicitly titled** "Digital Reporting & QR Code Protocol" **.**
- Mandatory Daily Submission**: State that** Unsafe Act (UA), Unsafe Condition (UC), and Positive Observation (PO) **reports must be submitted daily via the** TAQA-specific QR Code System**.**
- No Backdating**: Add a strict clause:** ***"End-of-shift reports must be submitted via the QR code before personnel leave the site. Manual or backdated entries are strictly prohibited and will be considered a non-conformance."***
- Flow of Information**: Define the hierarchy: Daily QR reports feed into the Weekly HSE statistics, which feed into the** TAQA Distribution Monthly HSE Report

Update the Incident Reporting Protocol (2-Hour Rule)

- **Updated reporting methods also apply to incident management. Align the plan with the specific timelines required by TAQA.**
- Verbal Notification**: Immediate call to TAQA Project Manager.**
- Initial Incident Notification (IIN)**:** Within 2 hours **of the incident, using the specific email template to HSE.projects@taqadistribution.com.**
- Interim Report**: Within** 3 days**.**
- Final Investigation Report (FIR)**: Within** 10 days**.**
- **Serious Incident Definition**: Clearly define what constitutes a "Serious Incident" requiring immediate leadership escalation (Fatality, significant injury, fire requiring Civil Defence, public injury).

14.2 Risk Assessment

APPLICATION OF RISK MANAGEMENT

FME shall develop procedure and adherence of this procedure will ensure compliance to the requirements of our HSSE Management System, ADOSH-SF, and Environment Agency Abu Dhabi (EAD) including all applicable legislation, international standards (ISO 45001, 14001 and 9001) and industry best practices within all required areas of our organization pertaining to risk management. Apart from reducing the livelihood of harm to personnel, loss of property and environmental damage or loss of process, the risk assessment is beneficial in challenging existing working methods for carrying out existing working methods for all project operations and in stimulating improved procedures for any new activity.

Risk management is an ongoing process, which should be carried out on a regular cyclical basis. It should also be conducted whenever new plant, process or substances are to be introduced or where there is change in work practices.

Managers are ultimately responsible for ensuring that risk assessments are performed, documented, recorded and managed in the areas of their responsibility. However, workers also have a responsibility for their own health and safety thus ensuring that they are not exposed to potential hazards and risks. A team approach / consultation process is adopted to conduct risk assessment (RA) – as a minimum, the team conducting the risk assessment should include:

o Section Manager
o (Senior) Engineers (Operations & Maintenance)
o HSE Representative
o Engineering Services / Asset Management Representative (Technical Expert)
o Technicians (as needed)

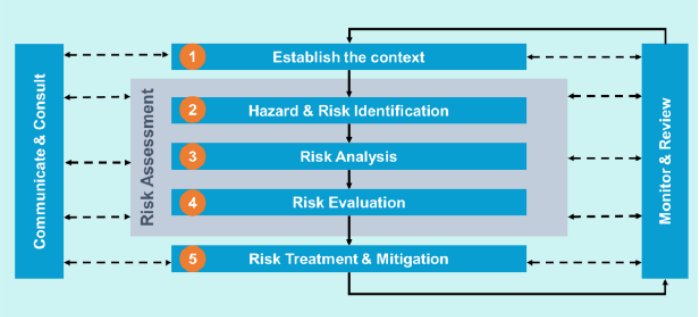
Risk assessment teams shall have the required experience, knowledge and training and be led by a competent team leader.

HSE Risk Management Process
Risk management process consists of the following essential elements:

- Hazard Identification - Identifying hazards that have the potential to cause harm.
- Risk Analysis – calculating the risk value if and when the hazard materializes.
- Risk Evaluation – comparing the calculated risk value with some sort of criteria i.e. a judgement regarding its acceptability.
- Risk Treatment – deciding what to do with the risk by identifying available options, and Implementation of Risk Reduction Measures – application of ALARP concept

Note: The term “risk assessment” covers the first three elements above; Hazard Identification, Risk Analysis and Risk Evaluation whereas “Risk Management” extends risk assessment to include the last element; Risk Treatment and Implementation of Risk Reduction Measures.
The HSE risk management process is shown in Figure 1 (as determined in ISO 31000 Risk Management Standard) and is defined in the following five steps.

Figure 1: TAQA T&D HSE Risk Management Process Overview



Step 1: Establish the Context and Scope: HSE Risk Management can be implemented at any point in the life cycle of a facility or project. The focus should be on the identification and assessment of hazards and risks that may be avoided, reduced or eliminated.

Step 2:HSE Hazard and Aspect Identification : During this stage of RA process, it is imperative that all credible hazards that exist or may arise during an operations or project / asset lifecycle are identified such that the associated risks may be managed. The form, nature and depth of the hazards, aspect identification and analysis should be proportionate to the complexity of the project

Step 3: Risk Analysis: The objective of risk analysis is to determine the consequences and likelihood of individual hazards and aspects and the overall aggregation of HSE risk. Risk estimation and analysis determines the risk consequences of individual hazards and aspects and resulting HSE accidents and incidents. Estimation and analysis provide the basis for assessing risks against requirements, the need for reduction, the selection between alternative options on safety, health or environmental grounds and ultimate acceptability.

Categories of Risk Assessment:(A) Qualitative (B) Semi-Quantitative (3) Quantitative

Table 2 – Types of Risk Assessments

Category	Description	Applications	Considerations
Qualitative	• Qualitatively assesses hazards and records the risks • Includes consideration of who is likely to be affected. This is given as a score indicating: E, H. M or L on the TAQA T&D risk assessment matrix	• Continuous, routine & non- routine activities or day-to-day • Concept screening and preliminary hazard and aspects identification • HAZID, ENVID	• Initial risk screening and on- going identification of hazards and immediate risk treatment. • Day-to-day activities – potentially hazardous activities/situations. • Sometimes done by one or two persons.

Semi-Quantitative	• This method utilizes a rating system and is an adaptation of a semi-quantitative approach to risk assessment. • It utilizes a rating for risk that may include a combination of qualitative and quantitative aspects. • Should be used where ALARP cannot be demonstrated by qualitative assessments alone. May also be used in evaluating multiple options.	• Formal • Non-routine Activities Issue based • HAZOP • Environmental Aspects and Impacts	• Formal process – team effort required. • Workers activities and tasks • Activities of contractors and/or visitors having access to premises. • Ergonomics. • Infrastructure, • Equipment and materials. • Management of Change. • Design of work areas. • Emergency situations. • Aspects and impacts of activities and processes on the environment e.g. EMP, Safety Case.
Quantitative	• Works on the same principle as the semi-quantitative approach but puts numbers into the process. • Use it where ALARP cannot be demonstrated by semi-qualitative assessments alone. May also be used in evaluating multiple options.	• Formal • Baseline • Projects • EIA • Cost Benefit Analysis	• Formal process – team effort required. • Formal HSE justification based on defined acceptance criteria.

Step 4: Risk Evaluation: Risk evaluation involves comparing the level of risk assessed during risk analysis to risk acceptance criteria to determine whether risk and/or its magnitude is acceptable or tolerable. Based on this comparison and the outcomes of risk analysis, an assessment is made as to the required risk treatment and treatment priority.
Risks shall be eliminated where possible or reduced to "As low as reasonably practicable" (ALARP).

Risk Assessment Matrix(RAM): The "Risk Assessment Matrix" uses estimates of the severity of consequences and likelihood or frequency of the consequence occurring to derive a qualitative estimate of the risk.

Figure 2: TAQA T&D Risk Assessment Matrix

Likelihood	Consequence				
	Insignificant (1)	Minor (2)	Moderate (3)	Major (4)	Catastrophic (5)
Rare (1)	1	2	3	4	5
Possible (2)	2	4	6	8	10
Likely (3)	3	6	9	12	15
Often (4)	4	8	12	16	20
Frequent (5)	5	10	15	20	25

Risk Rating		
15-25	Extreme Risk	Activity should not proceed in current form
8-12	High Risk	Activity should be modified to include remedial planning and action and be subject to HSE detailed assessment
4-6	Moderate Risk	Activity can operate subject to modification and / or management
1-3	Low Risk	No immediate action required unless escalation of risk is possible

Table 3 – Hazard Consequences

Area Impacted	Insignificant Consequences (Score = 1)	Minor Consequences (Score = 2)	Moderate Consequences (Score = 3)	Major Consequences (Score = 4)	Catastrophic Consequences (Score = 5)
Human Health & Safety	Minor injuries / health effects which may require self-administered first aid. Injured personnel can continue to perform normal duties	Injuries / health effect requiring on-site treatment by medical practitioner. Personnel unable to continue to perform duties	Serious injuries / health effect requiring off-site treatment by a medical practitioner or immediate evacuation to hospital. Potential long-term or permanently disabling effects	Single fatality / occupational illness or disease	Multiple fatalities / occupational illness or diseases
Environment	Slight impact – clean-up operation by local team. No public concern	Minor Impact - clean-up operation by the company. Some local public concern	Considerable impact – clean-up required by specialist waste contractor. No long term negative effect on the environment. Adverse stance of local government.	Local (AD) impact – significant clean-up operation by specialist waste contractor. Possible long term negative effect on the environment. Adverse stance of local government. Regional public concern.	National (UAE) impact - major clean-up operation by specialist waste contractor. Long term negative effect on the environment. Extensive measures required to restore environment. Adverse stance of national government and public
Total Cost of Impacts or Incident Event	Financial loss (compensation, fines, cost to repair, plant & environment damage) of less than AED5,000	Financial loss (compensation, fines, cost to repair, plant & environment damage) of AED5,000 – 50,000	Financial loss (compensation, fines, cost to repair, plant & environment damage) of AED50,000 – 500,000	Financial loss (compensation, fines, cost to repair, plant & environment damage) of AED500,000 – 5m	Severe financial penalties or legal liabilities. Financial loss (compensation, fines, cost to repair, plant & environment damage) of greater than AED5m
Production Loss	Incident event without causing production loss	Production loss or delay up to one week	Production loss or delay up to one week to one month	Production loss or delay for over onemonth	Loss of license to operate or ability to produce indefinitely

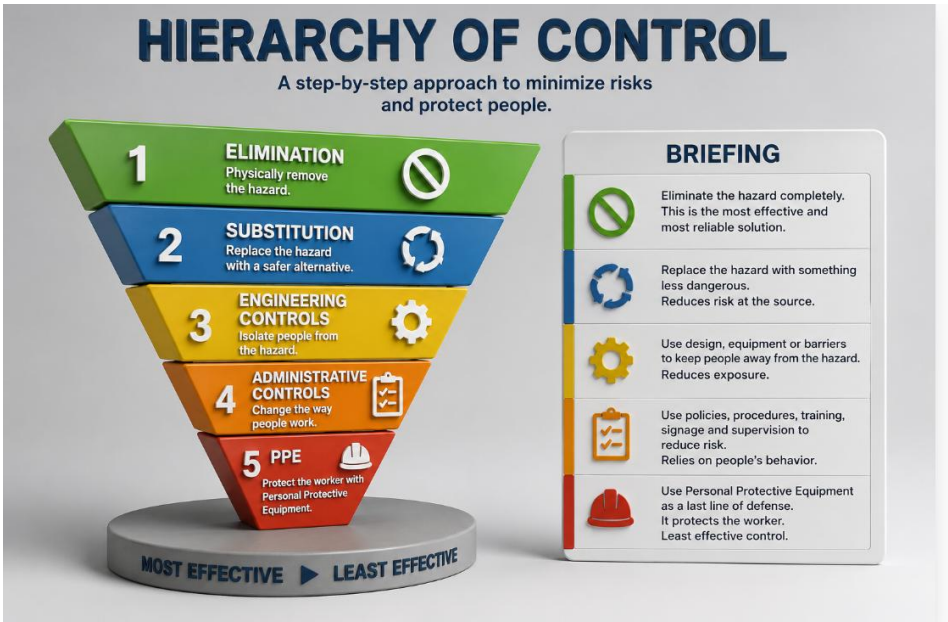
Table 4 – Likelihood

Descriptor	Likely Frequency	Probability
Frequent	Occurs frequently more than once per year	5
Often	Occurs once per year	4
Likely	Has occurred more than once in the past 10 years within the industry globally	3
Possible	Has occurred once within the industry globally	2
Rare	Never heard of in the industry	1

Step 5: Risk Treatment : Risk treatment involves identifying the range of options for controlling a risk, assessing these options and the preparation and implementation of control plans. Selecting the most appropriate option involves consideration of the costs of implementing each option against the benefits derived from it.
Risk control options aim to:
• Reducing the probability of a risk; or
• Reducing the consequence of a risk.

Table 5 – OHS Hierarchy of Control

Control Level	Description
1. Elimination	Eliminate the risk by removing the hazard
2. Substitution	Substitute less hazardous materials, equipment, processes or substances.
3. Isolation & Engineering Controls	Isolate or contain hazardous material or energy. Enclose or isolate the hazard with guards or remote handling techniques. Make structural changes to the work environment, work systems, tools or equipment. Use mechanical aids or manual handling devices. Use safety interlocks and safety relief systems to mitigate and shut down potentially unsafe situations
4. Administrative Controls	Appropriate administrative procedures such as policies, guidelines, Standard Operating Procedures (SOPs), registers, work permit, safety signage, job rotation, job timing, routine maintenance, and housekeeping. Provide training on hazards and correct work procedures.
5. Personal Protective Equipment (PPE)	Provide correctly fitted and properly maintained personal protective equipment (PPE), and/ or protective clothing and the training in its use.



14.2.1 Job Safety Analysis (JSA)

Structured, task-oriented risk assessment used to identify potential hazards associated with a specific job or task and to define necessary,, effective, and auditable controls to eliminate or mitigate those hazards before work begins.

14.2.2 Risk Register:

The Risk Register is a live document used to identify, assess, and control health, safety, and environmental risks associated with project activities. It records identified hazards, evaluates the likelihood and severity of potential consequences, assigns risk ratings, and specifies control measures in accordance with the hierarchy of controls. The register also identifies responsible persons, implementation timelines, and review dates to ensure risks remain effectively managed. It is reviewed and updated regularly, particularly when there are changes in work scope, incidents, audits, or the introduction of new hazards, ensuring that risks are maintained at an acceptable level throughout the project lifecycle.

Addendum B – Job Safety Analysis Template

Job Safety Analysis Worksheet								
OpCo		Department		Date				
Job Description:								
JSA Team Members:								
Step No.	Job step	Hazard(s)	Possible Consequences / Effects	Existing Controls	Additional Controls if Required (Recommended Actions)	Responsible	Target Date	
Plant, Equipment & Tools Needed:				Maintenance Checks Required:			PPE Required:	
Reviewed by:	Designation:	Signature:	Date:	Approved by:	Designation:	Signature:	Date:	

14.3 LAST MINUTE RISK ASSESSMENT AND TBT

Last Minute Risk Analysis (LMRA) A Last Minute Risk Analysis (LMRA) is a final and short assessment at the workplace of any potential risk involving health, safety and the environment. You perform the LMRA at the workplace or in its vicinity, because that is where any potential danger or dangerous situations may be encountered. Often a LMRA is a short checklist that has a few common subjects. Never let a LMRA be a box-ticking exercise. Discuss the risks and make sure that everyone knows what they should be doing.

Ref: TAQA T&D , TDBL-HS-C-S, Risk Management Procedure

Management of Change (MOC): (***Ref: TAQA T&D TDBL-HS-C-S-003, Management of Change Procedure TAQA RULE 9)***

FME shall develop a procedure for any change within organization a risk assessment shall be conducted in order to ensure that any hazard and its associated risks are considered, assessed and evaluated. Changes in locations, equipment or operating conditions must be analyzed for any potential hazards.

The requirements of this procedure apply to the following types of changes:

- Permanent change;
- Temporary change; and
- Organisation change

14.4 PLANT/EQUIPMENT & TOOLS

All hand tools power and similar equipment, whether furnished by Contractor or employee, shall be maintained in a safe condition. Supervisor and craft employees shall be responsible for the inspection (PAT test) and repair of tools under their control. All hand held portable power tools shall be fitted with dead man switch.The use of many tools requires the use of a variety of personal protective equipment.

All machinery and tools shall be inspected and tested at intervals not exceeding 3 months along with color coding system to ensure they are in satisfactory condition and capable of safety performing the functions for which that were designed and built. Tools which are not passed the inspection test shall be removed from using it.

Ref: ADOSH-SF v 4.0 CoP 15.0,Electrical Safety and CoP 35.0 Portable Power Tools

14.5 MATERIAL STORES

Site storage involves the provision of aqua cape, protection and control for materials, components and equipment that are to be kept in storage space during the execution of the project. Different materials to be utilized in the project includes Electrical materials such as cables, joints, termination, package unit transformers, panels etc. Civil materials to be utilized includes; Cable tiles, dune sand, interlock tiles, asphalt materials etc.

All electrical/civil materials have to be adequately stored to prevent deterioration and as per the applicable safety standard, Material Safety Data Sheet (MSDS) & manufacturer guidelines only. All materials must be arranged in such a way that they will not pose hazard or risk to site workers, visitors etc.

Power/Electrical tools must be stored in areas with less exposure to sun & humidity, it must not be exposed to high sunlight & heat, must be placed on appropriate power tool storage racks if and in some cases, it is recommended to be stored in the original packings if it is planned to be stored for a very long time.

14.6 SAFETY SIGNAGE'S AND POSTERS

Sign board shall be placed as per the requirement at site describing the hazard to the workmen in the zone and others. No one shall abuse any signs provided and the site supervisor/foremen

and HSE Engineer is responsible for installation and maintaining the signs.

Ref: ADOSH CoP 17.0 Safety Signage and Signals

14.7 PERSONAL PROTECTIVE EQUIPMENT (TAQA RULE 7)

FME LLC is committed and responsible to enforce and ensure PPE'S which is meeting TAQA Standards for own workforce and as well as sub-contracted workforce (if there any) to comply with company's HSE Policy. Visitors to the site should comply with the safety procedures and should use required PPE.

Ref: ADOSH CoP 2.0 Personal Protective Equipment's

14.8 ELECTRICAL SAFETY

FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE LLC shall undertake roles and responsibility in accordance with the general requirements of ADPHC/ADOSH SF VER. 4.0 CoP 15.0 – Electrical safety on Construction site and ensure that all necessary risk assessments being performed in accordance with ADPHC/ADOSH SF VER. 4.0 –SF –Element 2 shall be completed to identify all hazards that may be present from the work on or in the vicinity of electrical system.

FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE LLC will ensure safe system of work and safety rules shall be developed and implemented for all work activities involving electrical systems, such that identified risks are reduced to acceptable levels. and ensure emergency response plan is developed, implemented.

Ref: ADOSH-SF v 4.0 CoP 15.0,Electrical Safety

14.9 Lifting Operation: (TAQA RULE 6)

- All activities must be carried out in accordance with ADPHC/ADOSH SF-Cop 34.0- Safe Use of Lifting Accessories.
- Every lifting operation will be started with a Risk assessment by a competent person and the lifts must be properly planned. Relevant PTW and lifting plan should be prepared as required. A third party trained rigger must be appointed with all lifting operation and the Crane operator must have a valid UAE license and third-party competency certification. All lifting equipment including Crane should have a valid third-party test certificate which will be renewed every year. The lifting accessories should have valid third-party certificate which will be renewed every 6 months. Above third-party inspection for lifting equipment and lifting accessories Only Municipality approved third parties are employed for the certification of lifting Equipment and Accessories. The lifting accessories are inspected and colour coded by a competent person (Rigging Supervisor) quarterly.
- The lifting equipment and accessories are inspected by the operator and rigger respectively prior to start the lifting operation.
- The lifting area must be secured and nobody present under a suspended load. Competent supervision to be ensured during any lifting operation.
- FME shall ensure:
- While selecting the Crane to be used at site, maximum age limit of the crane shall be not over 10 years aged. If such crane may be used at site. NDT testing is required for any crane over 10 Years old (client requirement)
- Ensure all the lifting equipment particularly cranes and HIABs are subjected to planned preventive
- maintenance as per manufacturer's recommendations and records must be maintained.
- When the excavator is being adopted for use as a crane, third party approved load tested lifting gears i.e., slings, D-shackles, etc. shall be secured to a correctly designed and manufactured lifting point subject to annual through examination and load testing requirements by the ADM approved third party agency.
- Under no circumstances are the teeth of an excavator bucket to be used to lift loads. In addition, any excavator used as crane with a safe working load greater than 01 Ton. shall have a check valve fitted to the boom and outward reach of the excavator arm and if used as a crane with a variable SWL greater than 1 Ton. Shall be fitted with an automatic safe load indicator. The SWL must be clearly marked on the machine or displayed in the operator cabin.
- FME will ensure Compliance to Project crane entry / exit permit protocol
- Lifting plans and risk assessments are prepared and as regularly as necessary updated to reflect the type of lifting operations being carried out at the site.
- Specific lifting plans are developed when special (Complex) lists to be undertaken.

- All lifting operations are planned and carried out in accordance with the specific control measures identified in the lifting plan.
- All employees undertaking lifting operations are trained and competent.
- The place where lifting operations are undertaken is safe.
- Lifting equipment's and lifting accessories are inspected by competent person and APLO (A pointed person of lifting operation) HSE officer and declared safe and appropriate for use.
- All lifting equipment used in operations is fit for purpose, maintained, serviced, tested, certified (at least every 12 months) and any associated risk in using the equipment are identified and mitigated or appropriately controlled.
- All relevant authorities and utility services providers, interested parties are notified and all necessary approvals are obtained before work commences and work place is secured to prevent unauthorized access.
- Signaler/Slingers shall undertake their specific roles and responsibilities with regards to the use of lifting equipment and lifting accessories by ensuring safe system of work is implemented and followed.
- Safe working load of every item of lifting equipment is known and clearly understood by operators and employees involved in lifting.
- Safe working load shall be marked on the lifting equipment and accessories. Any lifting equipment and accessories without its SWL clearly marked shall be removed from service.
- All cranes in use are with a variable radius and load radius indicator .and must be clearly showing the operator radius and the corresponding SWL. Load radius indicator may be incorporated into safe load indicator of the type which displays the safe working load.
- Agreed and recognized means of communication between operator and signaler / slingers. And all are trained and competent to do the task.
- An anemometer is available on work site where cranes are used, to measure wind speed; this shall be fitted on highest point of the crane where reasonably practicable, handheld anemometer shall only be used as a secondary mean of measuring wind speed at ground level.

14.10 LANGUAGE & LITERACY

The workforce in each organization and projects have different educational/language background. However, it is pertinent to have a program(s) to cater for observed deficiencies. For this project, the literacy/language deficiency will be overcome through the following:

- Appointment of Language Translators: Translators can be appointed In-house; The appointed staff must have the ability to comprehend and explain HSE related subjects such as trainings, awareness programs in a language familiar to the work force.
- Display of Signages/Posters in Understandable format: All awareness posters must be in local languages apart from English/Arabic and in employees' understandable languages; The posters in this case should be visually understandable even for low level literate workers.
- Training Manuals: All training manuals must be in different languages and it must be understandable to all the workers/employees in the project

Ref: ADOSH-SF v 4.0 Element 4- Communication and Consultation

14.11 WORKING INSIDE ENERGIZED SUBSTATION/PRIMARY SUBSTATION

Working inside an energized substation is a high-risk activity that should only be performed by qualified and experienced personnel with proper training and authorization. It is crucial to prioritize safety and follow strict procedures to minimize the risk of electrical accidents. Here are some important considerations for working inside an energized substation:

Personal Protective Equipment (PPE): Wear the appropriate PPE at all times. This may include flame-resistant clothing, safety helmets, safety glasses, hearing protection, insulated gloves, and arc flash suits. The specific PPE requirements should be determined based on the voltage level and potential hazards present within the substation.

Training and Qualifications: Only trained and authorized personnel should be allowed to work inside energized substations. Workers should receive comprehensive training on electrical safety, substation operations, emergency procedures, and hazard identification. They should be familiar with relevant industry standards and regulations.

Job Briefing and Risk Assessment: Conduct a thorough job briefing before starting any work.

Identify potential hazards and assess the associated risks. Develop a plan to mitigate those risks and communicate it to all team members involved in the project.

Lockout/Tagout: Implement proper lockout/tagout procedures to isolate and de-energize equipment before performing any maintenance or repair work. Follow strict protocols to verify that the equipment is de-energized and use lockout devices and tags to prevent accidental re-energization. **Permit to Work**: Implement a permit-to-work system that outlines the specific tasks, safety precautions, and authorizations required for working inside the substation. This ensures that all necessary safety measures are in place before starting the work.

Electrical Hazard Awareness: Be aware of the electrical hazards present within the substation, such as exposed conductors, high voltages, and potential arc flash incidents. Maintain a safe distance from energized equipment and follow proper clearance requirements.

Tools and Equipment: Use insulated tools and equipment specifically designed for working in energized environments. Ensure that all tools and equipment are properly maintained and inspected regularly to prevent any potential electrical faults or malfunctions.

Communication and Coordination: Maintain effective communication with other team members and personnel inside and outside the substation. Use radios or other reliable communication devices to relay information and receive updates about potential hazards or changing conditions.

Emergency Preparedness: Be prepared for emergencies by having an emergency response plan in place. Conduct regular drills and ensure that all workers are familiar with emergency procedures, evacuation routes, and the location of safety equipment such as fire extinguishers and first aid kits.

Continuous Monitoring: Implement continuous monitoring of electrical conditions within the substation, such as voltage levels, current flows, and temperature. Use appropriate testing and measurement equipment to ensure the integrity of the electrical systems.

Note: Working inside an energized substation should only be done when absolutely necessary and when all other alternatives, such as de-energizing the equipment, have been exhausted. Always prioritize safety and follow established procedures to minimize the risk of electrical accidents.

14.12 LADDERS

The Ladders are widely used in construction site and elsewhere. They are very simple to use but still contribute to many accidents on site mainly because of their careless use. With following list of precautions, we can avoid accident at work site:

- Never use metal ladders for electrical works.
- Always stand ladder on a firm base & inspect them frequently.
- Set ladders at 1: 4 (1 out from base to 4 up, at around 75°).
- Set ladder 1.0M above the landing platform for a good handhold.
- Don't paint ladders – they hide the defects.
- Always engage both hands on the stiles while moving up or down the ladder.
- The height of the ladders shall be rightly chosen. Always avoid bigger ladders.

Ref: ADOSH-SF v4.0 CoP 37.0, Ladders

14.13 SCAFFOLDING

Things to consider for safe scaffolding:

- Base Plates should always be used under standards, unless there is a logical reason for their omission-Guardrails must be fixed on all scaffold platforms wherever a man can fall more than 2m. The height of the guardrail must be 0.9 m to 1.150 m above the level of the platform.
- Toe boards at least 155mm high should be placed at all edges and ends of scaffold platforms.
- All frames must be in good condition, not bent or rusted.
- All cross bracing must be fitted with the locking pin in place
- Frame scaffold must be securely anchored to the structure and be supported with additional bracing where necessary.
- All metal stair sections must be in good condition, not bent or distorted and be securely fitted to the transom.
- All metal platforms must be in good condition, not bent or rusted and be securely fitted to transoms using wire fixing where necessary.
- The foundations for a scaffold should be adequate to carry and dispose the load imposed both locally at each standard and in general to carry the whole weight of the scaffold.
- The foundation of a scaffold should be maintained in an adequate condition during the life of the scaffold. On surfaces such as steel and concrete, where there is adequate hardness and thickness to prevent the scaffold tube penetrating into the surface, the upright of a scaffold (standard) should be supported by a base plate
- Every metal tube scaffold exceeding 40 meters in height and every other scaffold exceeding 15 meters in height shall be constructed in accordance with the design and drawings of a Professional Engineer.
- Every scaffold shall be securely supported or suspended and where necessary be sufficiently and properly strutted or braced to prevent collapse.
- Scaffolding shall be erected by competent workmen possessing adequate experience of such work. An experienced scaffold supervisor shall supervise the erection.
- For all temporary works, excavations, tower crane and hoist installation and all scaffold (other than birdcage and independent tie scaffolds) design shall conform to BS 5975:1982 and BS 5983:1981 or the equivalent Malaysian standards respectively.
- Scaffold loadings shall conform to BS 5973:1981 Table 1. Regularly used scaffolds access will, however, be designed for an imposed load of 1.5km/m2.
- All Temporary Works, False work and Scaffolds shall be inspected and approved after erection and before access or loading is allowed. Completed and approved Temporary Works, False work and Scaffolds must be tagged with a Scaff tag or similar system and the "Safe Structure" insert displayed. One tag is required per 32m square face area, together with a central record system and weekly inspections made thereafter
- A “Scaff tag” comprises a plastic holder, with a 50mm diameter hole, which can be threaded on to a scaffold tube and built into a scaffold structure. The holder is marked red-do not use scaffold. A green/yellow insert is then used to indicate a safe scaffold and the date of inspection.

The Scaff Tag System:

1	Scaffold under construction, alteration or status deemed unsafe	Display RED
2	Scaffold complete, Inspected	Display GREEN (YELLOW) (Reverse details completed

3	Weekly inspection –status safe	As @2 above
4	Weekly inspection –status safe	Display RED (Insert Removed)
5	Scaffold Handover	Display RED, New user inspects as in @2 above

Any worker more than two meters above grade on a scaffold not protected by a proper guard rail shall wear suitable fall protection.

14.14 SLIPS, TRIPS & FALLS(HOUSEKEEPING)

FME LLC will undertake roles and responsibility in accordance with the general requirements of ADPHC/ADOSH SF VER. 4.0 CoP 8.0 – General Work Place Amenities.

14.15 TRAFFIC MANAGEMENT

At the time of doing any work, care shall be taken so the traffic does not get hampered by any activities. Before undertaking work, which may involve any obstruction to traffic, a work plan shall be prepared by the Site Engineer executing the Job. Work plan shall include drawing for any temporary roadways and detours showing pavement wearing surface and drainage details. Details of arrangements for construction under traffic, Traffic control plans, a signpost layout plan showing location, size and legend of all temporary signs should also be made available. Temporary regulatory signs, temporary speed zones, pavements reflectors, guidepost, safety barriers systems, barriers boards etc. shall be shown in the drawing and to be arranged at the time of execution. Special care will be taken at the time of preparing Traffic Management Plan for safety of pedestrians and workers. For safe movement of vehicles at site, banks man will be provided at site for directing movement of vehicles/ pedestrians/ workers. The traffic management plan must be strictly adhered to and the HSE Officer must ensure compliance.

Ref: ADOSH SF VER. 4.0 CoP 44.0 Traffic Management and Logistics

14.16 SITE RESTORATION

Restoration involves landscaping and contouring the property as closely as possible to excavation conditions. Site Restoration includes:

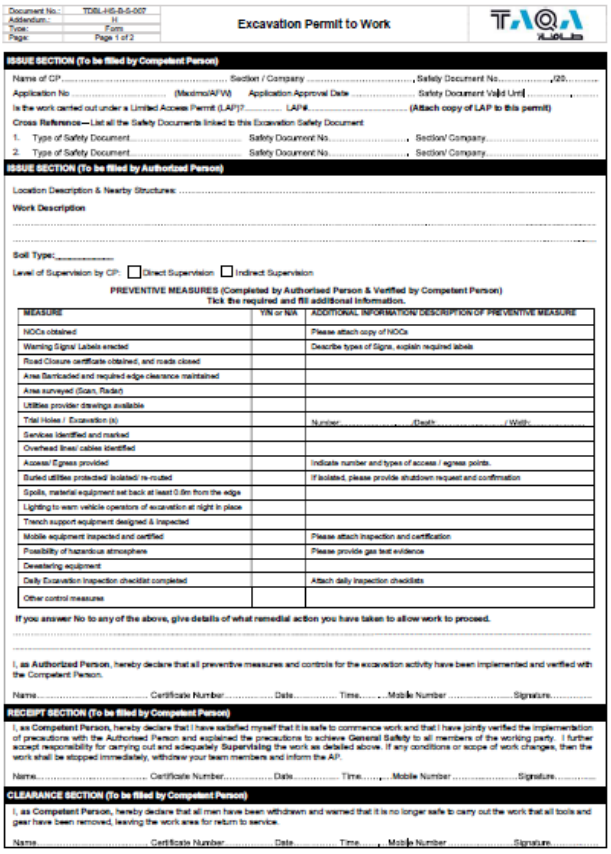
- Backfilling the excavated area into original condition.
- Removal of excess sand to designated areas.
- Removal of wastes (Cable tile pieces, warning tape pieces) to designated areas.
- Re Instatement of Interlocking tiles & Asphalt.
- Re Instatement of Green Area.
- Demobilization of all tools and equipment to store

14.17 EXCAVATION SAFETY

Excavation is by definition any man-made cut, cavity, trench or depression in an earth surface that is formed by earth removal. In general, excavating is needed to accomplish several types of construction activities related to the road works and underground cabling.

Excavation is recognized as one of the most important hazardous construction operations; therefore, we intended to include it within this safety plan to help our employees in the recognition of trenching and shoring hazards and their prevention. Protective system shall be established to describe method of protecting employees from cave-ins, from material that could fall or roll from an excavation face or into an excavation, and from the collapse of adjacent structures and support systems if deemed to be necessary.

Before starting site, excavation works, the Safety Process shall include inspection by concerned competent person and engineer/superior and safety officer, toolbox talks and awareness to all working persons shall be delivered to communicate all involved risks e.g. existence of electrical cables, other energized equipment or other hazardous situations. Necessary controls shall be provided including Barricading, PTW, LAP, PPE, Safe Machineries and instructions be given as may be necessary before work can proceed.



Excavation Permit to Work

ISSUE SECTION (To be filled by Competent Person)

ISSUE SECTION (To be filled by Authorized Person)

PREVENTIVE MEASURES (Completed by Authorised Person & Verified by Competent Person)
Tick the required and fill additional information.

MEASURE	Y/N or N/A	ADDITIONAL INFORMATION/ DESCRIPTION OF PREVENTIVE MEASURE
NOCs obtained		Please attach copy of NOCs
Warning Signs/ Labels erected		Describe types of Signs, explain required labels
Road Closure certificate obtained, and roads closed		
Area Barricaded and required edge clearance maintained		
Area surveyed (Scan, Radar)		
Utilities provider drawings available		
Trial Holes / Excavation (s)		Number: /Depth: / Width:
Services identified and marked		
Overhead lines/ cables identified		
Access/ Egress provided		Indicate number and types of access / egress points.
Buried utilities protected/ isolated/ re-routed		If isolated, please provide shutdown request and confirmation
Spoils, material equipment set back at least 0.6m from the edge		
Lighting to warn vehicle operators of excavation at night in place		
Trench support equipment designed & inspected		
Mobile equipment inspected and certified		Please attach inspection and certification
Possibility of hazardous atmosphere		Please provide gas test evidence
Dewatering equipment		
Daily Excavation inspection checklist completed		Attach daily inspection checklists
Other control measures		

If you answer No to any of the above, give details of what remedial action you have taken to allow work to proceed.

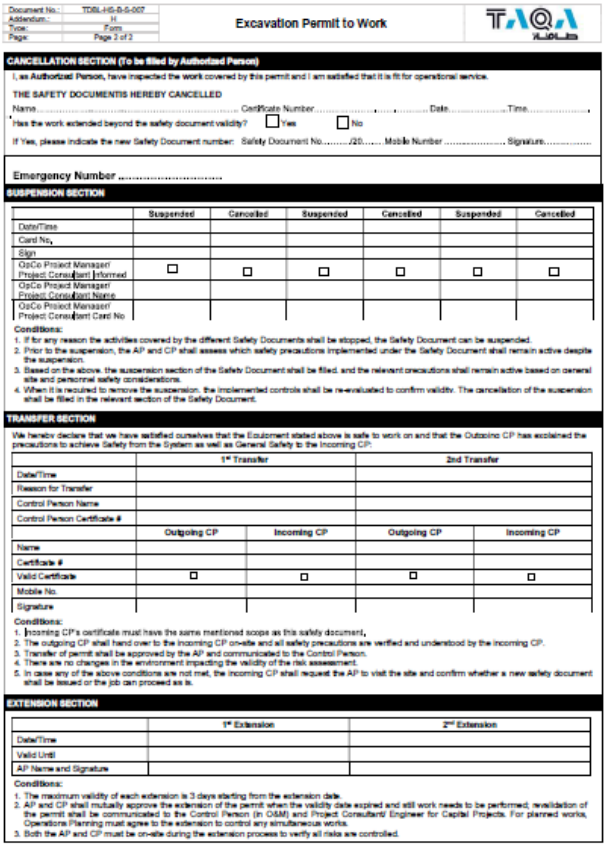
I, as Authorized Person, hereby declare that all preventive measures and controls for the excavation activity have been implemented and verified with the Competent Person.

RECEIPT SECTION (To be filled by Competent Person)

I, as Competent Person, hereby declare that I have satisfied myself that it is safe to commence work and that I have jointly verified the implementation of precautions with the Authorised Person and explained the precautions to achieve General Safety to all members of the working party. I further accept responsibility for carrying out and adequately Supervising the work as detailed above. If any conditions or scope of work changes, then the work shall be stopped immediately, withdraw your team members and inform the AP.

CLEARANCE SECTION (To be filled by Competent Person)

I, as Competent Person, hereby declare that all men have been withdrawn and warned that it is no longer safe to carry out the work that all tools and gear have been removed, leaving the work area for return to service.



Excavation Permit to Work

CANCELLATION SECTION (To be filled by Authorized Person)

I, as Authorized Person, have inspected the work covered by this permit and I am satisfied that it is fit for operational service.

THE SAFETY DOCUMENTIS HEREBY CANCELLED

Emergency Number .....

SUSPENSION SECTION

	Suspended	Cancelled	Suspended	Cancelled	Suspended	Cancelled
Date/Time						
Card No,						
Sign						
OpCo Project Manager/ Project Consultant Informed	☐	☐	☐	☐	☐	☐
OpCo Project Manager/ Project Consultant Name						
OpCo Project Manager/ Project Consultant Card No						

Conditions:
1. If for any reason the activities covered by the different Safety Documents shall be stopped, the Safety Document can be suspended.
2. Prior to the suspension, the AP and CP shall assess which safety precautions implemented under the Safety Document shall remain active despite the suspension.
3. Based on the above, the suspension section of the Safety Document shall be filled, and the relevant precautions shall remain active based on general site and personnel safety considerations.
4. When it is required to remove the suspension, the implemented controls shall be re-evaluated to confirm validity. The cancellation of the suspension shall be filled in the relevant section of the Safety Document.

TRANSFER SECTION

We hereby declare that we have satisfied ourselves that the Equipment stated above is safe to work on and that the Outgoing CP has explained the precautions to achieve Safety from the System as well as General Safety to the Incoming CP.

	1st Transfer		2nd Transfer	
Date/Time				
Reason for Transfer				
Control Person Name				
Control Person Certificate #				
	Outgoing CP	Incoming CP	Outgoing CP	Incoming CP
Name				
Certificate #				
Valid Certificate	☐	☐	☐	☐
Mobile No.				
Signature				

Conditions:
1. Incoming CP's certificate must have the same mentioned scope as this safety document.
2. The outgoing CP shall hand over to the incoming CP on-site and all safety precautions are verified and understood by the incoming CP.
3. Transfer of permit shall be approved by the AP and communicated to the Control Person.
4. There are no changes in the environment impacting the validity of the risk assessment.
5. In case any of the above conditions are not met, the incoming CP shall request the AP to visit the site and confirm whether a new safety document shall be issued or the job can proceed as is.

EXTENSION SECTION

	1st Extension	2nd Extension
Date/Time		
Valid Until		
AP Name and Signature		

Conditions:
1. The maximum validity of each extension is 3 days starting from the extension date.
2. AP and CP shall mutually approve the extension of the permit when the validity date expired and still work needs to be performed, revalidation of the permit shall be communicated to the Control Person (in O&M) and Project Consultant/ Engineer for Capital Projects. For planned works, Operations Planning must agree to the extension to control any simultaneous works.
3. Both the AP and CP must be on-site during the extension process to verify all risks are controlled.

14.18 HOT WORKS (HEAT-SHRINKABLE CABLE JOINTS)

FALCON will undertake roles and responsibility in accordance with the general requirements of ***ADPHC/ADOSH SF V 4.0, CoP 49.0 Compressed Gases and Air***

FALCON will ensure:

- A specific hot work risk assessment to be developed, implemented. Competent workers are assigned the task. While assessing various risks shall be considered such as; Fire explosion, burns, fumes, gases and ventilation, electricity, radiation.
- PTW to be obtained for such activity.
- MSDS for electrodes, fluxes and coating are made available to employees required to perform welding.
- Appropriate fire prevention measures and controls are implemented.
- Appropriate barricading and signage are available in area.
- Proper protection and PPE's arrangements to be implemented for welders and other persons in the area.

- Proper waste management arrangements to be mad for hot waste.
- Competent welder, supervisor and first aider to be available in area. Arrange designated welding area with all appropriate safety arrangements.
- Appropriate control measures are utilized to reduce as far as reasonably practicable, the exposure level of personnel to harmful fumes and gasses.
- Electrical and radiation hazards are eliminated or significantly reduced through adherence of safe system of work.
- Regular inspections to be conducted to ensure safe system of work are in place.
- Protect nearby combustible materials from sparks that might escape through openings in floors or walls.
- Fire Extinguishers must be ready for instant use.
- Fire Watch lasting at least 30 min after welding or cutting operations is required if more than a minor fire might develop and if certain combustible materials are present.
- Authorization: A responsible individual must inspect the area and designate precautions, preferably by written permit

14.19 CONFINED SPACE ENTRY

A confined space is an enclosed or partially enclosed area not designed for continuous human occupancy. It has limited access or exit points and may present hazards to personnel entering.
Examples include tanks, vessels, pits, pipelines, chambers, and manholes. Entry into confined spaces shall only be performed under an approved permit-to-work system.A confined space risk assessment shall be completed before any entry activity. Atmospheric testing shall be carried out for oxygen level, flammable gases, and toxic gases. Continuous gas monitoring shall be maintained where hazardous conditions may develop. Adequate ventilation shall be provided to maintain a safe working atmosphere. Only trained and authorized personnel shall enter confined spaces. A competent standby person shall remain outside during entry operations. Emergency rescue arrangements, equipment, and communication systems shall be established before entry.
Suitable PPE, lighting, and breathing equipment shall be provided based on the risk assessment.
All confined space entry activities shall comply with TAQA HSE procedures and applicable regulations. Unauthorized entry into confined spaces is strictly prohibited. The work area shall be monitored and closed safely after completion of the activity.

14.20 UNDERGROUND AND OVERHEAD UTILITIES

Do not work near underground or overhead utilities within minimum safety clearance without assessing the risks and putting adequate controls in place
Working with equipment immediately near underground or overhead utilities without proper controls in place is unsafe as any breach of safety clearance distances, will result in serious consequences to the working party.
Maintain adequate documented controls with competent supervision to keep you safe.
FME shall:

- obtain all utility drawings including any permissions to work within the planned excavation/ working zone, understanding the limitations of the drawings. They should be used as a guide only
- identity and map all underground and overhead utilities within the excavation / working zone. This includes the entry and exit points within the excavation / working zone.
- use appropriate detecting tools / trial pits and mark all utilities within the planned excavation/ working zone before commencing excavation / work. Goal posts for overhead utilities
- always use safe digging techniques following ground markings to expose utilities
- never use mechanical equipment within the designated safety clearance, only blunted hand tools should be used as appropriate under direct supervision of the required Supervisor
- never work with mechanical equipment under or near overhead lines, within minimum safety clearance unless specific controls are in place and authorised to do so by your supervisor
- If working is required within the safety clearance, request utility company to de-energise the overhead line
- confirm a permit to work has been issued and the control measures have been put in place
- for any specialised excavation such as non-destructive road crossing etc, only approved equipment operated by approved competent personnel can be used

14.21 LOCK OUT TAG OUT

The Lockout/Tagout (LOTO) procedure for TAQA Distribution is designed to ensure the safe control of all energy sources, encompassing electrical, mechanical, hydraulic, pneumatic, chemical, and thermal energies. Its application extends across a wide spectrum of activities, including the construction, installation, adjustment, inspection, modification, and maintenance of equipment, particularly where there exists a risk of unexpected startup or the release of hazardous energy. This comprehensive procedure is paramount for safeguarding employees and other personnel. Furthermore, its mandatory nature applies to all equipment within the TQD network and is equally vital for work conducted in interface areas where other parties may be involved, necessitating robust coordination to maintain safety standards.

14.22 NON DISRUPTIVECTIVE ROAD CROSSING (NDRC) WORKS:

Non-disruptive road crossing, also known as trenchless or no-dig road crossing, is a method used to install or repair underground utilities, including cables, pipes, or conduits, without the need for extensive excavation or disruption of the road surface. This technique minimizes the impact on traffic flow, reduces environmental disturbances, and enhances the overall efficiency of the installation or repair process. Here are some common methods of non-disruptive road crossing:

Horizontal Directional Drilling (HDD): HDD involves drilling a pilot hole horizontally beneath the road surface from one side to the other. After the pilot hole is created, a reaming tool enlarges the hole to the desired diameter. The utilities, such as cables, are then pulled through the drilled hole, eliminating the need for open trenches.

Pipe Ramming: Pipe ramming is a method where a steel casing is pneumatically hammered into the ground. As the casing progresses, the displaced soil is removed from the inside, and the utilities are installed within the casing. This method is suitable for short-distance road crossings and can accommodate larger-diameter pipes or conduits.

Micro tunneling: Micro tunneling involves the use of a remotely controlled machine to excavate a small tunnel underground. The machine installs pipes or conduits while simultaneously removing the excavated soil through a slurry or auger system. It is particularly useful for long-distance road crossings or situations with complex soil conditions.

Auger Boring: Auger boring uses a rotating auger to create a bore beneath the road surface. As the auger advances, the soil is continuously extracted. The utilities are then installed within the bore, and the annular space is backfilled with grout or other suitable materials.

Guided Boring: Guided boring is similar to auger boring but incorporates a laser guidance system to maintain accurate alignment and grade control during the boring process. This method ensures precise installation of utilities without major road disruptions.

Pipe Jacking: Pipe jacking is a technique where a hydraulic jacking system is used to push prefabricated pipes through the ground. The soil is gradually removed from the front of the pipe while the jacking force propels it forward. This method is suitable for shorter road crossings and works well in stable soil conditions.

These non-disruptive road crossing methods significantly reduce the need for extensive excavation, thereby minimizing traffic disruptions, reducing noise and dust pollution, and mitigating the impact on surrounding infrastructure and the environment. However, it is important to consider factors such as soil conditions, utility requirements, and local regulations when selecting the most appropriate method for a specific road crossing project. Professional engineering and construction expertise are necessary to ensure successful and safe implementation.

15. HEALTH

15.1 CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH (COSHH)

The Control of Substances Hazardous to Health (COSHH) Regulations requires you to control substances that are hazardous to health within your organization
If the properties of a substance, in any form , could cause harm to a person, then it is hazardour and will need to assessed under the COSHH regulations. The hazardous substances covered by COSHH include :

- Chemicals
- Fumes
- Vapours
- Mist
- Dust
- Gases
- Biological agents
- Germs that cause diseases.

Identifying Hazardous Substances*(ADOSH SF VER. 4.0CoP 1.0 Hazardous Material)*

The first step in becoming COSHH compliant is to identify the substances used or produced within your business processes. You can't control the risk until you know where the hazards are. Some hazardous substances used within your business will be obvious, but some everyday substances should also be assessed under COSHH. There are nine primary hazard symbols relating to COSHH and this section will explain the COSHH signs:



Although human beings possess considerable ability to compensate for naturally occurring heat stress, many occupational environments and/or physical activities expose workers to heat loads which are so excessive as to threaten their health and productivity.

Interventions fall into five categories:

- Maximizing heat tolerance among exposed individuals,
- Assuring timely replacement of lost fluid and electrolytes,
- Altering work practices to reduce exertion heat load,
- Engineering control of climatic conditions, and

- Use of protective clothing.

Workers should be informed of the nature of heat stress and its negative effects as well as the protective measures provided in the workplace. They should be taught that heat tolerance depends to a large extent upon drinking enough water and eating a balanced diet.

In addition, workers should be taught the signs and symptoms of heat disorders, which include dizziness, faintness, breathlessness, palpitations and extreme thirst.

They should also learn the basics of first aid and where to call for help when they recognize these signs in themselves or others.

Occurrence of heat disorders in more than one person, or repeatedly in a single individual is often a warning of serious impending trouble and the need for immediate evaluation of the working environment and review of the adequacy of preventive measures

15.1.1 Waste Management

This Waste Management section specifies the procedure for the management, control and disposition of items designated as waste material for the Project. The following is a list of different categories of materials that will be generated during the project:

a) Recyclable Materials

b) Waste/Refuse Materials

c) Reusable Material

The procedures for the management, control and disposition of these items are described in subsequent sections of this plan. FME LLC. Management is required to identify, maintain proper control, waste reduction work plan, cost/revenue analysis and provide documentation for the disposition of materials described in this plan. The intension of this plan is to minimize the amount of waste generated on this project to the extent practicable. The goal for this project is to ensure that at least more than 95% of all waste material generated will be recycled, re- used, or otherwise diverted from direct landfill disposal. To accomplish this goal FME LLC. intends to recycle and reuse as many types of construction material as possible

15.2 HEAT STRESS MANAGEMENT: ASSESSMENT OF ENVIRONMENTAL HEAT STRESS AND THE THERMAL WORK LIMIT (TWL) HEAT STRESS INDEX

TWL, measured in watts per square meter (W/m2), is the maximum rate at which heat can be lost to the environment in the conditions. TWL is calculated from environmental parameters assuming that employees are well hydrated and acclimatized to the conditions and are self-paced.

Instruments are available that carry out all of these measurements and internally compute the TWL.

Measuring Frequency: Readings and flag statuses are reassessed and updated at least hourly (every 60 minutes) on site.



Thermal Work Limit - Working Zones

Control Interventions, Rest-Work and Rehydration Schedules

Working Zones	Interventions	Rehydration Schedule (per hr)	Work-rest Schedule (minutes)
Low Risk Unrestricted Zone TWL: 140 - 220 <	**No limits on self-paced work**[a] for educated, hydrated workers.	Light Work 600 ml - 1 Litre / hr	Safe for **all** continuous **self-paced work**[a]
Medium Risk Cautionary Zone TWL: 115 – 140	**Cautionary zone indicates situations in which environmental conditions require additional precautions.** • Practicable Engineering control measures to reduce heat stress should be implemented e.g. provide shade, improve ventilation etc. • Working alone to be avoided • No unacclimatised person to work[b] • Ensure adequate fluid intakes appropriate for type of work	Light Work 1 -1.2 Litres / hr	Safe for continuous **self-paced light work**[a]
		Heavy Work > 1.2 Litres / hr *	**Continuous paced work** 45 work - 15 rest
High Risk Zone TWL: < 115	• **Strict Work/Rest cycling required** • No person to work alone • No unacclimatised person to work[b] • High Risk induction required emphasising hydration and identifying signs of heat strain • Provide personal water bottle (2 litre capacity) on-site at all times	All Work >1.2 Litres / hr *	Light work[c] 45 work – 15 rest
			Heavy work[d] 20 work - 40 rest

Notes:

- Self-paced work[a] - workers must be allowed to adjust their work rate according to environmental conditions. Paced work is when the work rate is not under the worker's control
- Unacclimatised[b] workers are defined as new workers or those who have been off work for more than 14 days due to illness or on vacation leave (in a cool climate area)
- Light work[c] – sitting or standing, light arm work
- Heavy work[d] – carrying, climbing, lifting, pushing, whole-body work
- * At high workloads and or thermal stress, sweat rates exceed 1.2 Litres / hr. Increasing fluid intake much above this level is not practical due to gastric discomfort as the upper limit for gastric emptying and fluid absorption is ~ 1.5 Litres / hr so control solutions to improve thermal conditions should be implemented in addition to providing adequate hydration to replace sweat lost.

Table 1 – Thermal Work Limit Zones and Interventions for Management of Work

TAQA Distribution طاقة للتوزيع	BEAT THE HEAT REST MONITORING CHECKLIST	Effective Date: 01-01-2026 Document #: FM.OP.HS.26.02 Version: 01 Page 1 of 2

Name:		**Date:**	Click or tap to enter a date.
Designation:		**Time of Inspection:**	
Project Facility Location:	Choose an item.	**Project / Facility:**	Choose an item.
Specific Site / Facility Name:		**TQD Project Focal Point Name:**	
Contractor Name:		**Consultant Name:**	
Project No. / operations Ref:			

SL. #	EMPLOYEE NAME	TWL LEVEL / HEAT CONDITION	WORK START TIME	REST START TIME	REST END TIME	REST PROVIDED (YES/NO)	AREA USED (AC/SHADE)	WATER TAKEN (YES/NO)	FIT TO RESUME (YES/NO)	EMPLOYEE SIGNATURE	SUPERVISOR INITIAL	REMARKS
1.												
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												

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The **UAE Midday Break Rule** (also called the **Occupational Heat Stress Prevention Policy**) is a mandatory summer safety measure that protects outdoor workers from extreme heat.

Key rules

- **Applies every year: 15 June to 15 September**
- **Restricted hours: 12:30 PM to 3:00 PM**
- During these hours, employers **must not require employees to work under direct sunlight or in open outdoor areas**.

Who does it apply to?

The rule mainly applies to **private-sector employees** working outdoors, such as:

- Construction workers
- Road and infrastructure workers
- Landscaping workers

- Outdoor maintenance crews
- Similar outdoor occupations exposed to direct sunlight.

Employer responsibilities
Employers must:

- Stop outdoor work during the restricted hours.
- Provide shaded or air-conditioned rest areas.
- Supply sufficient drinking water.
- Provide cooling equipment (such as fans where appropriate).
- Keep first-aid supplies available at the worksite.

Are there any exceptions?
Yes. Certain work may continue if it cannot reasonably be postponed, including:

- Emergency repairs affecting public services (such as water or electricity).
- Work necessary to prevent serious hazards.
- Activities that require government authorization due to public interest.
- Certain technical operations, such as asphalt laying or concrete pouring, where delaying the work is impractical.

Penalties for violations
Employers who breach the rule can be fined:

- **AED 5,000 per worker** found working during the prohibited period.
- Up to a **maximum of AED 50,000** if multiple workers are involved in the same violation

Calibration of TWL Typical manufacturer recommendation: Most TWL meter manufacturers recommend **annual calibration**, while some sensors (especially humidity sensors) may require checking or recalibration every **6–12 months**, depending on usage and environmental conditions.

15.2.1 HEAT STRESS TRAINING REQUIREMENTS

All employees working in high-temperature environments shall receive appropriate heat-stress training before commencing work, in a language they understand. General heat-awareness training shall also be provided throughout the summer months.

Training shall cover:

- Hazards associated with working in hot environments.
- Recognition of signs and symptoms of heat-related illness.
- Importance of maintaining adequate hydration and a balanced diet.
- Hydration monitoring using urine colour charts.
- Importance of acclimatization.
- Work pacing and appropriate rest breaks.
- Effect of clothing and PPE on heat stress.
- Procedures for obtaining first aid and medical assistance.
- Requirements of the project Heat Stress Management Program.
- Prevention of heat-related injuries and illnesses.

Employees shall be trained within 10 days of starting employment and before the defined summer months on the above requirements.

15.3 MANUAL HANDLING

The most common injuries from manual handling are **sprains and strains**, particularly to the back. These injuries can result from incorrect application of bodily force, poor posture, awkward lifting techniques, excessive repetition, or handling loads

beyond an individual's capability. Many manual handling injuries are cumulative and may develop over time rather than from a single handling incident. In some cases, injuries may result in long-term physical impairment or permanent disability.

Hands, arms and feet are also vulnerable, while poor manual handling techniques can place excessive stress on the knees and other joints.

Precautions When Moving Materials Manually

Workers shall take the following precautions when manually moving materials:

- **Avoid manual handling where reasonably practicable** by using mechanical aids such as forklifts, pallet trucks, trolleys, wheelbarrows, hoists, cranes, lifting equipment or other suitable devices.
- **Use mechanical aids for heavy, bulky, awkward or frequently handled loads** instead of relying on manual lifting.
- Before lifting, assess the **weight, size, shape, stability and centre of gravity** of the load.
- Use proper lifting techniques and maintain a **stable posture and firm grip**.
- Keep the load as close to the body as practicable and avoid excessive twisting or sudden movements.
- Use **handles, holders or suitable lifting points** where provided or where they can safely improve grip and control.
- Maintain clear and safe access/egress routes before moving materials.
- **Do not attempt to lift or carry a load beyond your physical capability.**
- Seek assistance or use suitable mechanical equipment when the load cannot be safely handled by one person.

When Assistance Is Required

Workers shall seek assistance or use mechanical lifting/handling equipment:

- When the load is too **heavy, bulky or awkward** to safely grasp or lift.
- When the worker **cannot see around, over or in front of the load**.
- When the load is unstable or difficult to control.
- When the carrying distance is excessive or the route is difficult.
- When the load cannot be safely handled by one person.
- When repetitive manual handling may create a risk of cumulative injury.

Manual Handling Training Requirements

- All employees involved in manual handling activities shall receive **manual handling training before performing the task**.
- Refresher training shall be provided **periodically and whenever required by the company's HSE/training programme**, following an incident, or when significant changes are made to the task or equipment.
- Training shall cover **manual handling hazards, risk assessment, correct lifting and carrying techniques, use of mechanical aids, load assessment, PPE requirements and safe working practices**.
- Only workers who are **trained and competent** shall perform manual handling activities requiring specific techniques or equipment.
- Training and competency records shall be **maintained and made available as evidence**.

PPE Requirements

The following PPE shall be used as appropriate to the task and identified hazards:

- **Safety gloves** providing suitable hand and forearm protection, particularly for loads with sharp, rough or abrasive edges.
- **Safety footwear with steel/composite toe protection** to protect against dropped or rolling materials.
- **Eye protection** where there is a risk of flying particles, dust or other eye hazards.
- Additional PPE shall be provided based on the **task-specific risk assessment**.

Ref: ADOSH SF VER. 4.0 CoP 14.0 Manual Handling and Ergonomics

15.4 WELFARE ARRANGEMENTS AT SITE (HYGIENE)

Basic welfare amenities have to be provided to ensure the comfortability of the workers and to conform to existing HSE standards. Adequate arrangement has to be put in place to ensure all the workers involved in the project have access to the welfare amenities.

Drinking Water

- FME LLC. Shall provide an appropriate supply of drinking water for all persons at work in the workplace.
- Every supply of drinking water shall be readily accessible at appropriate places and conspicuously marked with an appropriate sign where necessary.
- Where a supply of drinking water is required, there shall also be provided an appropriate number of appropriate cups or other drinking vessels unless the supply of drinking water is in a jet form which the person can drink easily.
- Drinking water dispenser shall be cleaned on a daily basis.
- Water quality test for drinking water shall be carried out quarterly by approved testing company and results documented

Sanitary Conveniences

Portable sanitary facilities shall be provided for temporary workplaces and construction workplaces. Facilities shall include toilet facilities and hand washing facilities and the facilities shall be cleaned on a regular basis to maintain a sanitary condition.

Lighting

Adequate lighting from natural and/or artificial sources must be provided to ensure healthy working conditions for the:

- nature of the work
- Location of the work
- Times at which the work is performed

Rest Area

Shaded areas will be provided for work force at site. Supervisors/site engineer will review work location for pre-existing shade areas. The minibus will be available as cool refuge in during works in the cable routes. Temporary rest areas can be constructed using tarpaulins as cover and also large umbrella can be used as temporary shelter Shade will always be located within 100 yards of the work activity. There will be enough shade available to accommodate the number of workers planned to be on their rest cycle at any one time.

Workers Accommodation

Suitable accommodation will be provided for workers (labors, drivers, supervisors & engineers etc.) Living accommodation will only be in government approved workers accommodation only. A camp boss will be appointed by the company and he will be responsible for regular inspections of the workers living quarters, dining quarters etc. to ensure optimum hygiene standards are maintained

Food Arrangement

Food will be arranged from Camp mess and this arrangement will be put in place between FME LLC. Management and labour camp management. Food preparation and hygiene standard will be as per applicable Abu Dhabi health standard and regulations.

15.5 FIRST AID ARRANGEMENTS AT SITE

First aid manual is provided to the HSE Engineer to deal with emergencies, and Site engineer has basic first aid training.

- First aid kits in the ratio of one (1) unit for each twenty-(20) persons will be provided on the site in an easily accessible location.
- All the first Aid kits should meet TAQA Applicable standards
- All major injuries will be taken to the Nearby Government Hospital.
- The ambulance facilities of the Police department will be called in to handle major injury cases.
- All emergency facilities such as first aid equipment, fire-fighting equipment within work and material storage areas and site offices will be provided in compliance with municipal requirements.
- The first aid kit shall include the below minimum requirements components first aid kit must be inspected monthly

Appendix 1: Minimum First Aid Requirements/Content Checklist

Item No.	Product Description	Item Quantity (by size of kit)			
		Small	Medium	Large	Travel
Required					
1	Pocket First Aid Guide	1	1	1	1
2	Contents list	1	1	1	1
3	Disposable gloves, latex free, powder-free, different sizes (small/medium/large), pairs	2/2/2	3/3/3	4/4/4/	1/1/1
4	Laerdal pocket mask or resuscitation face shield	1	1	2	1
5	Adhesive plasters, water resistant, low allergy, assorted sizes	40	60	100	10
6	Medium sterile dressing (12 x 12 cm)	4	6	8	1
7	Large sterile dressing (18 x 18 cm)	1	2	2	1
8	Eye pad sterile dressing	2	3	4	1
9	Finger sterile dressing	2	3	4	0
10	Burns sterile dressing (preferably water gel	1	2	2	1
11	Triangular bandage	2	3	4	1
12	Conforming bandage	1	2	2	1
13	Alcohol free moist cleansing wipes	20	30	40	4
14	Safety pins, assorted sizes	6	12	24	2
15	Adhesive tape, preferably hypo-allergenic	1	1	1	1
16	Sterile eye wash	0	0	0	1
17	First Aid scissors - Tough cut type with skin protective leading edge	1	1	1	1
18	Roller bandages, 50 mm/100 mm wide	2/2	4/4	8/8	2/2
19	Skin disinfectant (spray)	1	1	1	1
20	Medical Waste disposal bag	1	2	4	1
Optional / Based on first aid needs assessment					
21	Splints for limps fracture, small & large	1/1	2/2	3/3	1/1
22	Paper stitches (e.g. Steri-Strip™), packets	1	2	4	1
23	Pair of forceps or splinter tweezers	1	1	1	1
24	Hand sanitizer (min. 61.% ethyl alcohol)	1	1	1	1
25	Emergency blanket (foil blanket)	1	2	3	1
26	Torch, preferably kinetic	1	1	1	1
27	Epinephrine auto-injector	1	1	1	1
28	Analgesic tablets	2	4	8	2
29	Rapid Nasal packing	1	2	3	1
30	Cold packs (mind. 10 x 12.5 cm)	1	2	3	1

Size of Kit	Small	Medium	Large	Travel
Lower risk, e.g. offices, shops, libraries	Less than 25 employees	25-100 employees	More than 100 employees	Per vehicle
Higher risk, e.g. food processing, assembly work, engineering, construction, manufacturing etc.	Less than 5 employees	5-25 employees	More than 25 employees	Per vehicle

Ref.:

- BS-8599 (UK, 2011), ANSI Z308.1 (USA, 2009), DIN 13157-C/DIN 13169 (Germany, 2009),
- Ministry of Human Resources and Emiratization Guide to Preventative Occupational Health Services, (UAE).

15.6 OCCUPATIONAL HEALTH HAZARDS VIBRATION HAZARDS

Hand-arm vibration affects people who use hand-held or hand-guided power tools and those workers holding materials that vibrate when fed into machines. Long-term exposures to high levels of hand-arm vibration can lead to a range of disabling conditions including vibration white finger, permanent loss of feelings and painful joints in the hands, wrists, and arms.

Ref: ADOSH SF VER. 4.0- CoP 3.1 Vibration

15.7 ILLUMINATION

Light is an invaluable tool in any construction environment. It provides the dual benefit of assisting the worker in his or her work and making the worker more visible to others. Determining the right combination of lighting solutions for the workers and the jobsite is critical to getting the job done while minimizing incidents and re-work and maximizing worker visibility.

(Ref: ADOSH SF VER. 4.0- CoP 8.0 secrtion 3.8 General workplace Amenities)

15.8 FITNESS OF CREW MEMBERS AND DRIVERS

All personnel assigned to critical work activities (working at height confined space etc) crane operator, and all vehicle drivers shall be confirmed fit for work before starting their shift. Supervisors shall conduct a daily fitness-for-work briefing to ensure workers are physically and mentally capable of performing their duties safely. The briefing should include confirmation that personnel are free from the effects of alcohol, drugs, fatigue, illness, medication that may impair performance, and any other condition that could affect safe work or driving. Workers must report any health concerns or limitations immediately.

A Fitness for Work Log shall be maintained by the supervisor for every shift and include:

- Date and shift
- Employee name and ID
- Job role (critical crew/driver)
- Fitness-for-work declaration (Fit/Not Fit)
- Supervisor's verification
- Any restrictions or remarks

Employee and supervisor signatures

Any person assessed as **not fit for work** shall not be assigned to safety-critical tasks or driving duties until medically cleared or deemed fit in accordance with company HSE procedures.

16. ENVIRONMENT

16.1 ENVIRONMENTAL IMPACT ASSESSMENT

An environmental aspect refers to an element of an organization's activity, product or service which can have a beneficial or adverse impact on the environment. For example, it could involve a discharge, an emission, consumption or reuse of a material, or noise. An environmental impact refers to the change which takes place in the environment as a result of the aspect.

Name of Project: Long Term Rate Agreement for Supply and Installation of Underground Cable, Electrical Distribution Equipment, OHL and allied works in Abu Dhabi Central & Eastern Region (LOT 1). D111661E

Date: 8/10/2024

CRITERIA OF ASPECT	
NORMAL	The aspects are of regular occurrence and normal during the operation
ABNORMAL	The aspects occurrence is rare during the operation.

DIRECT:	Environmental aspects directly generated from the activity.
INDIRECT:	Environmental aspects caused by external activities

IMPACT CATEGORIZATION

AP	Air Pollution
LP	Land Pollution
WP	Water Pollution
NP	Noise Pollution
RD	Resource depletion
FF	Flora & Fauna

SCALE FOR RATING LEGAL/EMERGENCY/LEED REQUIREMENT

Yes Legal /Emergency/Leed Requirement Applicable

No Legal /Emergency/Leed Requirement Not Applicable

CRITERIA USED FOR CALCULATION OF IMPACT ASSESSMENT

A Severity

Rating	Description
3	High Fatal / Affecting Heritage/ Archaeological structures/ resource over extraction/ Environmental violation
2	Medium Moderate Impact on vegetation/ soil / Water / Resource Loss
1	Low Slight/Negligible Impact / Noticeable

B Probability

Rating	Description
3	Several times a day/ Continuous/ certainly
2	Once a week/ or fifteenday random
1	Once a month/ once/ rarely

C Detection

Rating	Description
3	More than 5 hour
2	More than 1 hour
1	Immediately

D Control Measure

Rating	Description
3	Absent or not effective
2	Mechanism in place but not practiced / partially Practiced/ Partially effective
1	Available and effective

CALCULATE IMPACT RANKING:

Environmental significance of each aspect is calculated using the below formula

Impact Level= S x P x C x D
(Severity X Probability x Controlx Detection)

SIGNIFICANT ASPECT CRITERIA

1) If Impact level Calculation is more than 24
2) Aspects which have a status as "Legal / Emergency
3) Aspects which are LEED Requirement

SIGNIFICANT ASPECT CRITERIA

Sr.no	Ranges	Impact
1	Above 24	High
2	16-24	Medium
3	Less than 16	Low

16.2 WASTE MANAGEMENT

This Waste Management section specifies the procedure for the management, control and disposition of items designated as waste material for the Project. The following is a list of different categories of materials that will be generated during the project:

d) Recyclable Materials

e) Waste/Refuse Materials

f) Reusable Material

The procedures for the management, control and disposition of these items are described in subsequent sections of this plan. FME LLC. Management is required to identify, maintain proper control, waste reduction work plan, cost/revenue analysis and provide documentation for the disposition of materials described in this plan. The intension of this plan is to minimize the amount of waste generated on this project to the extent practicable. The goal for this project is to ensure that at least more than 95% of all waste material generated will be recycled, re- used, or otherwise diverted from direct landfill disposal. To accomplish this goal FME LLC. intends to recycle and reuse as many types of construction material as possible

16.3 NOISE MANAGEMENT

The maximum noise level that the majority of workers may be exposed to without suffering hearing loss is 85 dB (A) over an 8-hour day. At this noise level a person would have to raise his voice to make himself heard at distance of 300mm.

When employees are exposed to sound levels exceeding acceptable levels, feasible administrative or engineering controls must be implemented to reduce the noise levels. Signage and personal protective equipment such as earmuffs shall be provided and used.

(Ref: ADOSH SF VER. 4.0- CoP 3 Occupational Noise)

16.4 OCCUPATIONAL HEALTH HAZARDS FOR OFFICE & ADMINISTRATIVE STAFF

This section addresses health risks associated with office-based work activities, including project site offices, client offices, and head office environments. All office staff, document controllers, engineers, managers, and administrative personnel are included**.**

Hazard Identification & Risk Evaluation:

Hazard Category	**Potential risk**	**Potential Health Effects**
Ergonomic	Poor workstation setup, inadequate chair/desk height, improper screen positioning	Musculoskeletal disorders (MSDs), back/neck pain, repetitive strain injury (RSI), carpal tunnel syndrome
Visual / Digital	Prolonged screen time, poor lighting, glare	Eye strain, headaches, blurred vision, dry eyes (Computer Vision Syndrome)
Indoor Air Quality (IAQ)	Poor ventilation, dust, VOCs from office materials, mold	Respiratory issues, headaches, fatigue, sick building syndrome, allergies
Psychosocial	High workload, tight deadlines, long hours, job stress	Anxiety, depression, burnout, sleep disturbance, cardiovascular strain
Noise (Office)	HVAC systems, printers, nearby construction noise, open-plan distractions	Stress, fatigue, reduced concentration, hearing fatigue
Thermal Comfort	Inadequate AC (too cold/hot), poor humidity control	Discomfort, respiratory irritation, reduced productivity
Slips/Trips/Falls	Cables across floors, wet floors, uneven carpets, cluttered walkways	Sprains, fractures, head injuries
Electrical	Overloaded power strips, damaged cords, improper use of extension leads	Electric shock, fire hazard
Infectious / Biological	Shared surfaces (keyboards, desks, door handles), poor hygiene	Cold/flu transmission, COVID-19, gastrointestinal illness
Lighting	Insufficient or excessive lighting, flickering lights	Eye strain, headaches, visual fatigue

17 APPENDIX - RISK ASSESSMENTS (Overall)

Attached Separately

18 APPENDIX - RISK ASSESSMENTS (SITE SPECIFIC)

Risk Assessment Matrix (RAM)

The "Risk Assessment Matrix" uses estimates of the severity of consequences and likelihood or frequency of the consequence occurring to derive a qualitative estimate of the risk.

The body of the TAQA T&D Risk Assessment Matrix (Fig 2) is divided into risk areas or zones (Extreme, High, Moderate or Low Risk). In this way, the matrix provides an easy-to-understand picture of the risk level.

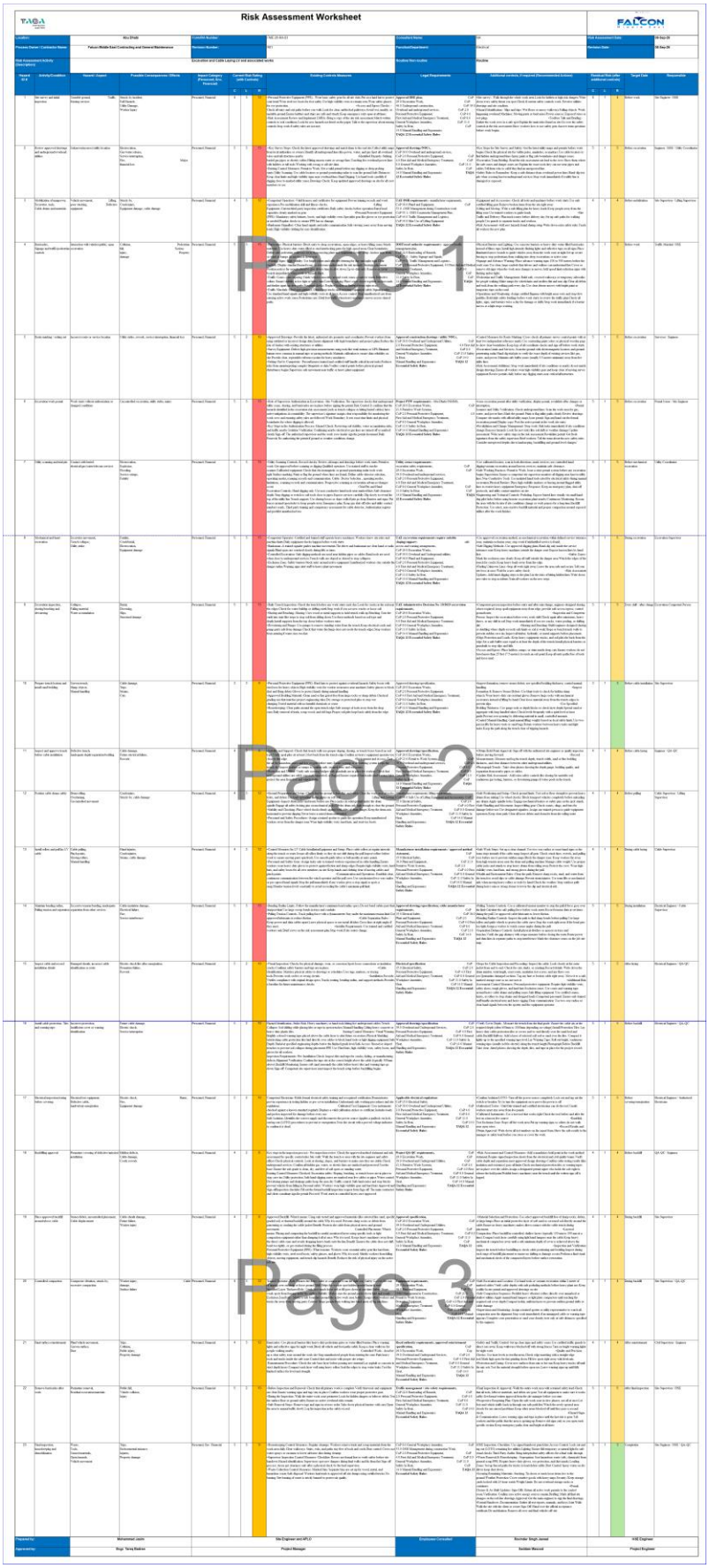
The risk matrix may also be used on a scenario-by-scenario basis to priorities risk reduction efforts. It is adaptable to varying levels of information and depth of evaluation.

It is primarily used to identify and rank the risks associated with qualitative risk assessments (TRAs, HAZIDs).

TAQA D Risk Assessment Matrix

Likelihood	Consequence				
	Insignificant (1)	Minor (2)	Moderate (3)	Major (4)	Catastrophic (5)
Rare (1)	1	2	3	4	5
Possible (2)	2	4	6	8	10
Likely (3)	3	6	9	12	15
Often (4)	4	8	12	16	20
Frequent (5)	5	10	15	20	25

Risk Rating		
15-25	Extreme Risk	Activity should not proceed in current form
8-12	High Risk	Activity should be modified to include remedial planning and action and be subject to HSE detailed assessment
4-6	Moderate Risk	Activity can operate subject to modification and / or management
1-3	Low Risk	No immediate action required unless escalation of risk is possible



Risk Assessment Worksheet

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19 APPENDIX - LIST OF METHOD STATEMENTS

MSRA 01 – Excavation & cable laying HV cable
MSRA 02- Excavation and cable laying LV cable
MSRA 03- Joint and Termination
MSRA 04- Dismantling & shifting of FP and ST
MSRA 05 – Connection and Disconnection of LV cable in LV panel
MSRA 06 – Testing of Transformer
MSRA 07- Replacement of FP and ST
MSRA 08- Installation of Package Unit, RMU & TRF
MSRA 09- Overhead Line Works

20 APPENDIX - COSHH (SDS/MSDS SHEETS)

Control of Substances Hazardous to Health – Risk Assessment Sheet

Project Name:	D-111661/E	**Contractor:**	Falcon Middle East Cont & Gen Maint
Describe the activity or work process: *(Include how long and how often this is carried out and the quantity of substances used)*	Refueling of generators, Refueling of construction equipment		
Location of Process:	Diesel supply tanker, generators diesel tanks		
Identify the persons at risk:	**Employees** *(Including trainees)* ✓	**Sub-Contractors** ✓	**Public** *(Including students)*
Name the substance involved in the process and its manufacturer. *(A copy of a current safety data sheet for this substance should be attached to this assessment)*	C9-C20 hydrocarbon (Diesel)		

Classification ***(state the category of danger)***

	☐ Very Toxic		✓ Irritant/ Harmful		✓ Extremely Flammable	**Other Notes:** Skin Corr. 1C; H314 Skin Sens. 1; H317 Repr. 1B; H360F STOT SE 3; H335 Aquatic Chronic 2; H411
	✓ Toxic		☐ Sensitizing		☐ Highly Flammable	
	✓ Corrosive		☐ Biological		☐ Flammable	
	✓ Health Hazard		☐ Oxidizing		✓ Environmental	

SAFETY DATA SHEET
Diesel Fuel

1. IDENTIFICATION

Product Identifier	Diesel Fuel
Synonyms:	Diesel Fuel, Motor Vehicle Diesel Fuel, Dyed Diesel, * DieselOne®, * DieselOne® w/Platinum Plus DFX, Low Sulfur Diesel (LSD), Ultra Low Sulfur Diesel (ULSD)
Intended use of the product:	Fuel
Contact:	Global Companies LLC Water Mill Center 800 South St. Waltham, MA 02454-9161 www.globalp.com
Contact Information:	EMERGENCY TELEPHONE NUMBER (24 hrs): CHEMTREC (800) 424-9300 COMPANY CONTACT (business hours): 800-542-0778

2. HAZARD IDENTIFICATION

According to OSHA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture

Classification (GHS-US):

Flam. Liquid	Category 3	H226
Skin Corrosion/Irritation	Category 2	H315
Aspiration Hazard	Category 1	H304
STOT SE	Category 3	H336
Carcinogenicity	Category 2	H350
Aquatic Chronic	Category 2	H411
Serious Eye Damage/ Irritation	Category 2B	H319

Labeling Elements



Signal Word (GHS-US):	**Danger**
Hazard Statements (GHS-US):	H226 – Flammable liquid and vapor. H315 – Causes Skin irritation. H304 – May be fatal if swallowed and enters airways. H336 – May cause drowsiness or dizziness. H350 – May cause cancer. H411 – Toxic to aquatic life with long lasting effects. H319 – May cause eye damage/irritation.
Precautionary Statements (GHS-US):	P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 - Keep container tightly closed. P240 – Ground/bond container and receiving equipment.

21 APPENDIX - CONTRACTOR HSE POLICY

FALCON Middle East

Integrated Management System(HSEQ) Policy

The long-term business success of Falcon Middle East General Contracting & Maintenance depends on our ability to continually develop, maintain and operate a safe, efficient and economical water and electricity distribution service in Abu Dhabi while providing a safe & healthy workplace and protecting our environment.

Consistent with this policy, we will establish, document, implement, maintain and continually improve our HSE management system that are consistent with the requirements of the international standards ISO 45001:2018, ISO 14001:2015 and ADOSH System Framework v 4.0.

We are committed to:

- Comply with all applicable legal and other requirement of ADDC/TAQA.
- continually improve our HSEQ management system and performance;
- zero harm and prevention of occupational related injury and ill-health in our workplace;
- prevent pollution which may be caused by our operation's emission to air, discharge to water body, and/or disposal of hazardous waste to land;
- enhancement of employee health and well-being through effective identification of hazards and management of risks and by fully complying with all applicable legal and other requirements;
- making this policy an integral part of our business strategies, and use as the basis for setting and reviewing our organization's HSEQ objectives and targets;
- strengthen employee's participation in HSEQ programs;
- communicate this HSEQ policy to our employees, contractors, suppliers and visitors, and make them aware of their HSEQ obligations;
- execute our policies and procedures by providing resources necessary for the effective implementation of our management system.

The policy will be reviewed periodically (at least annually or as necessary) to ensure relevance and appropriateness to our organization.

Managing Director

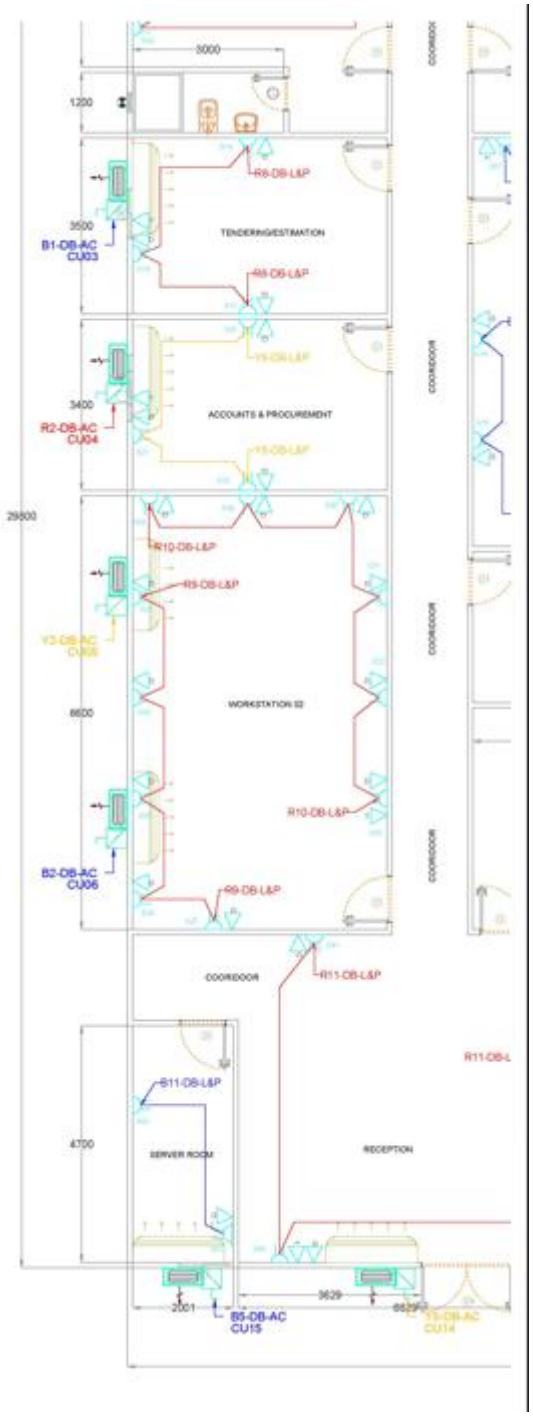
Date: 16 Oct 2025

Falcon-POL-04 Rev 04

22 APPENDIX - SITE PLAN, Abu Dhabi Central & Eastern Region



22.1 Site Layout:



23 APPENDIX - SITE EMERGENCY RESPONSE PLAN & CONTACTS

INTERNAL

Abu Dhabi Distribution Company Emergency Line	**8002332**
Police	**999**
Ambulance	**998**
Civil Defense	**997**
Water and Electricity	**991 or 992**
Environment Agency Abu Dhabi (EAD)	**800 9990**
Abu Dhabi OSH Center	**02 693 4747**
Abu Dhabi Municipality	**993**
Marine emergencies, accidents or suspicious activity (Critical National Infrastructure Authority):	**996**
Weather condition and earthquakes	**+971 2 666 7776**

EXTERNAL

Project Manager	Tareq Badran	**0508993159**
Project Engineer	Saddam Masood	**0547264849**
HSE Engineer	Ravinder Singh	**0508153117**
First Aider/ Fire fighter 1	Mark Antony	**0547721935**
First Aider/ Fire fighter 2	Mohammed Jassim	**0554579239**
First Aider/ Fire fighter 2	Mohamed Basith	**056 765 0142**
First Aider/ Fire fighter 2	Yaseen Ahmed	**0502334761**

NEAREST HOSPITAL DETAILS
Name of Hospital: Al Rahba Hospital ,
Contact No: 800 50

24 APPENDIX – DAILY LMRA & TOOLBOX TALK FORM

Last Minute Risk Assessment (LMRA) and Toolbox	Effective Date: 01-07-2025
	Document #: CL.OP.HS.11-01
	Version: 01
	Page 1 of 2

Notes: Form must be completed at the worksite by Authorised Person and/or Competent Person responsible for activity and Work Team.

Site:		Date:		Time:	

What task is being performed today?

I hereby declare that PTW No. _____ has been shown to all workers registered below for this work.

RISK ASSESSMENT

Use this Hazard Checklist, SD, Method Statements and/or Safe Work Procedures to supplement the hazards and risk identification process.

Category	Check Question / Reminder	Yes	No	N.A
Electrical	Has the condition of the apparatus remained unchanged from what was expected?	☐	☐	☐
	Is the risk from proximity to the system, including touch and step potential, controlled?	☐	☐	☐
	Are barricades and barriers effective and in place?	☐	☐	☐
	Has isolation, LOTO, testing, and earthing been applied as required by the safety document?	☐	☐	☐
Mechanical	Has mechanical isolation / LOTO / try and test been confirmed as effective?	☐	☐	☐
	Has draining, bleeding, and venting been completed where required?	☐	☐	☐
Working at Height	Has scaffold and structural stability been checked and confirmed?	☐	☐	☐
	Have ladders, aerial devices, or access equipment been checked and found fit for use?	☐	☐	☐
Slips, Trips and Falls	Are slippery or uneven surfaces identified and controlled?	☐	☐	☐
	Are trench covers in place where required?	☐	☐	☐
	Are walkways, openings, and excavations identified and made safe?	☐	☐	☐
Weather	Are weather conditions suitable for safe work, including rain, wind, heat, or cold?	☐	☐	☐
	Have sandstorm, high humidity, or similar environmental concerns been considered?	☐	☐	☐
Animals / Insects	Is the work area free from dogs, wild animals, or other animal hazards?	☐	☐	☐
	Is the work area free from insects or reptiles that may affect safe work?	☐	☐	☐
Fire Hazards	Have loose combustible materials been removed from the work area?	☐	☐	☐
	Are flammable substances identified and controlled?	☐	☐	☐
	Are gases, fumes, or smoke present, and if so, are they controlled?	☐	☐	☐
Supervision	Is the level of supervision adequate for safe execution of the work?	☐	☐	☐

Category	Check Question / Reminder	Yes	No	N.A
Pollution / Environment	Is there any ground pollution that may affect the work?	☐	☐	☐
	Is there any water pollution risk that may affect the work?	☐	☐	☐
	Is there any air pollution, dust, or emission risk that may affect the work?	☐	☐	☐
Vegetation	Has any tree cutting, trimming, or vegetation control been identified and properly controlled?	☐	☐	☐
	Is any vegetation creating a risk to safe operations or access?	☐	☐	☐
Occupational Hygiene	Are noise levels acceptable for safe communication and work?	☐	☐	☐
	Is lighting adequate for the task?	☐	☐	☐
	Is ventilation adequate for the work area?	☐	☐	☐
	Are chemicals, fumes, vapours, or dust controlled?	☐	☐	☐
Lifting Machines	Are lifting controls available for the lifting activity?	☐	☐	☐
	Has the condition of lifting equipment been checked?	☐	☐	☐
	Have rigging and slinging arrangements been planned and confirmed?	☐	☐	☐
Vehicle and Driver Safety	Have vehicles, plant, or mobile equipment been checked for abnormalities?	☐	☐	☐
	Is the physical and mental condition of drivers / operators fit for safe work?	☐	☐	☐
	Have terrain, route, or ground condition risks been checked?	☐	☐	☐
Roadside Work	Are excavations clearly demarcated?	☐	☐	☐
	Is barricading in place where required?	☐	☐	☐
	Are notices and warning signs in place?	☐	☐	☐
	Is traffic control implemented where required?	☐	☐	☐
Behavioural Safety	Are all team members physically and mentally fit for the work?	☐	☐	☐
	Are members of the public protected from exposure to worksite hazards?	☐	☐	☐

Last Minute Risk Assessment (LMRA) and Toolbox	Effective Date: 01-07-2025
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	Page 2 of 2

PPE REQUIRED AS PER PPE MATRIX

Coverall (Acid/Normal)	Pants	Top	Dust Coat	Apron	Hard Hat	Gumboots	Safety Shoes	Safety Glasses
☐	☐	☐	☐	☐	☐	☐	☐	☐

Face Shield	Welding Helmet	Dust Mask	Respirator	Ear Protector	Fall Arrest System	Gloves	Operating Clothing
☐	☐	☐	☐	☐	☐	☐	☐

Reflective Vest	Voltage Rated Gloves	Arc Flash Suits	Arc Rated Face Shield	Additional PPE's Required (If Any)
☐	☐	☐	☐	☐

WORKERS REGISTER

I declare that the nature and location of this work/activity, as well as the precautions, special conditions, the hazards involved and the right to refuse have been explained to the workers.

Name: _____ **Competency Card No.:** _____ **Signed:** _____

Work Team Members Acknowledgement

I understand the scope of work and the hazards associated with the task that I am going to perform. I further undertake to work according to the Task Manuals and/or Safe Work Procedures and as per control measures mentioned within this risk assessment that were discussed with me.

Sign On / Working					Sign Off / Withdrawn	
No.	Name (Print)	U/No. / ID No.	Sign On Date	Signature	Sign off Date	Signature

AUTHORISED PERSON (AP) / COMPETENT PERSON (CP)

WITHDRAWAL: I hereby declare that all workers involved in the above-mentioned work have been withdrawn, informed that it is no longer safe to work, and that a debriefing session was held. Site normalized and safe.

Name: _____ **Signature:** _____ **Date:** _____ **Time:** _____

At emergency, call Police 999, Abu Dhabi TQD Control Centre 02 4165373, or Al Ain TQD Control Centre 037631413)

25 APPENDIX – HSE DAILY OBSERVATION FORM

FALCON	OSH DAILY CHECKLIST	Ref # FME/HSE/001 REV # 05 Effective date # 01.04.2026

DESCRIPTION	SATISFACTORY		
WORK ADJACENT TO LIVE ROADS	YES	NO	N/A
Is the ITC (Integrated Transport Center) Work Permits acquired and available at site?			
Are the Temporary traffic management controls are in place and well maintained?			
Buffer zone is established by maintaining the required lateral clearance to protect the workforce from potential incidents in case of collisions?			
Work Zone is fully enclosed by logistics with suitable arrangements (Hoardings and Barriers are well fixed).			
Pedestrians and Vehicle routes are segregated and well maintained			
Access control is authorized			
Are there adequate traffic signs board's safety cones & warning tapes available?			
Are the divers adhering to the speed limit on the road?			
COMMENTS:			
HOUSEKEEPING	YES	NO	N/A
Waste and trash properly & regularly disposed (i.e., not allowed to accumulate)			
Walkways and passage ways clear of obstructions and have adequate lighting?			
Scrape receptacles are provided for work areas.			
Project material stacked in neat / Orderly manner.			
COMMENTS:			
PPE	YES	NO	N/A
Eye protection worm in proper manner.			
Hearing protection used as required.			
Gloves worn & appropriate to task			
Correct additional PPE appropriate for task being worn by workers.			
Coverall are worn by all			
COMMENTS:			
EXCAVATION /Trenching	YES	NO	N/A
Are NOCs and relevant authority permits being available?			
Are underground facilities noted and identified (if any) and PTW is obtained & precaution taken to protect workers?			
Is the spoil pile & other material placed safety away from the edge of excavation?			
Are excavation properly slopped, benched, shored or is trench box used?			
Proper means of egress & access provided?			
When ladder, are the safe used, are safe secured & extend three feet above the surface? 1:4 ratio?			
COMMENTS:			
ELECTRICAL SAFETY:	YES	NO	N/A
Do electrical devices have a current inspection			
Is electrical equipment properly maintained			
Is equipment properly grounded			
Are electrical appliances inspected by competent electrician.			
Are electrical dangers signage are posted			
COMMENTS:			



26 APPENDIX – DAILY COMPETENT EQUIPMENT INSPECTION FORM

FALCON Middle East	MONTHLY INSPECTION CHECKLIST – DIESEL GENERATOR	Doc. Ref. No. FALCON-PRO-37-FRM 03 Effective Date: 01 April 2021 Rev. No.: 05 Page 1 of 1

Project Name:		Site No:			
Date:		Inspected Location:			
Time:		Contractor:			

NO.	POINTS TO CHECK	Yes	NO	NA	REMARKS
1.	Guards (NIP points)				
2.	Earth Leakage				
3.	Earth Spike Available				
4.	Emergency stop devices work				
5.	Fuel, Engine Oil and Water: No Leaks and Bund / Drip Tray Provided				
6.	Controls Identified				
7.	Operators Trained				
8.	General Condition				
9.	Fuel Stored				
10.	Fire Extinguisher Available - Monthly Inspection Check				
11.	Fuel Cap Available				
12.	DB fitted with suitable ELCB (earth leakage circuit breaker)				
13.	No Leaks (look underneath generator)				
14.	Warning sign (Electrical hazard) posted on the DB?				
15.	Exhaust system is functioning normally?				
16.	Battery connections good?				
17	Radiator coolant level okay?				

Inspected By (Electrician)		Reviewed By	
Position		Position	
Signature		Signature	
Date		Date	

FALCON Middle East	PRE INSPECTION CHECKLIST MOBILE CRANE	Doc. Ref. No. FALCON-PRO-37-FRM 05 Effective Date: 01 April 2021 Rev. No.: 05 Page 1 of 2

Date of checklist		Type of equipment	
Registration Number		Name of the operator	
Registration Expiry Date		Operator's License Expiry date	
Expiry Date of 3rd party cert.		Expiry of operator 3rd party cert.	
Manufacturer name of the crane		Health Surveillance & Medical Screening available	
Project Name:		Company Name:	

S/N	THE CRANE IS PROVIDED/FITTED WITH THE FOLLOWING:	YES/NO	REMARKS
1	A valid Lifting Machine (LM) certificate (issued less than 12 months ago)	☐Yes ☐No	
2	An Effective hoist and derricking braking mechanism.	☐Yes ☐No	
3	Engine fluid level correct (check dip stick or sight glass)	☐Yes ☐No	
4	Hydraulic fluid level correct (check dip stick or sight glass)	☐Yes ☐No	
5	Hydraulic system exhibits no apparent weeping or leaks	☐Yes ☐No	
6	Swings lock or swing brake capable of preventing unintended rotation.	☐Yes ☐No	
7	A load capacity chart is displayed in the cabin.	☐Yes ☐No	
8	A load radius indicator with alarm.	☐Yes ☐No	
9	Marking of the Safe Working Load LM number.	☐Yes ☐No	
10	Limit switch to prevent over-hoisting of the hook (i.e. anti-two block device)	☐Yes ☐No	
11	Limit switch to prevent over-derricking of book for crawler Crane.	☐Yes ☐No	
12	Winds monitor device available in the crane	☐Yes ☐No	
13	Wire ropes are well lubricated.	☐Yes ☐No	
14	Crane hook with a safety latch to prevent displacement of the sling or load from the hook.	☐Yes ☐No	
15	Crane cabin that can be locked so as to prevent unauthorized usage.	☐Yes ☐No	
16	A fire extinguisher is available on the crane.	☐Yes ☐No	
17	A maintenance logbook is available in the cabin.	☐Yes ☐No	
18	Safe access (with proper foot and hand holds / supports) to the cabin and deck of the crane is provided.	☐Yes ☐No	
19	Main hoist and auxiliary wire rope inspection include check for defects such as broken wires, kinks, excess wear, crushing etc.	☐Yes ☐No	
20	Cab glass not cracked, and wipers are functional	☐Yes ☐No	
21	Manufacturer operating manual and maintenance manual.	☐Yes ☐No	

Inspection Requested By:	Signature	Date
Inspected By:	Signature	Date
Approved By:	Signature	Date

FALCON	MONTHLY INSPECTION CHECKLIST – MATERIAL STORAGE	Doc/FME/009 REV # 05 Effective date 01.04.2026

Project Name:		Site No:	
Date:		Inspected Location:	
Time:		Contractor:	

NO.	POINTS TO CHECK	Yes	NO	NA	Corrective Action/Recommendation
1.	Exit doors are visible and free of obstructions on both sides of the doors?				
2.	Exits are visible and unobstructed by stored items?				
3.	Fire extinguishers, alarm pulls, sprinkler risers, and sprinklers heads are free of obstructions?				
4.	Electrical panels are free of obstructions have a clearance of 30" to each side and a clearance of 36" in front.				
5.	Flammable and combustible materials are stored separately? Hazardous material not stored with general material storage?				
6.	Flammable and combustible materials are stored away from ignition sources.				
7.	Hazardous and industrial waste is properly labeled and routinely disposed of?				
8.	Storage shelves are not overloaded.				
9.	Storage shelving units and cabinets are secured from tipping.				
10.	File drawers are closed when not in use.				
11.	Materials are stored to minimize unnecessary climbing, reaching, and bending.				
12.	No storage is within 18" of sprinkler heads (24" from ceiling when no sprinklers).				
13.	Cabinet doors are closed and latched.				
14.	Heavy, awkward, and/or frequently accessed items are stored on shelved located between knee and shoulder height.				
15.	Nothing is suspended from the fire suppression system pipes.				
16.	Nothing is stored in electrical and mechanical rooms.				
17	Items stored vertically, such as pipes, lumber, brooms, ladders, are secured to prevent unintended movement.				
18	Prop weapons are secured in locked cabinets.				
19	Excess or idle power cables, ropes, and hoses are coiled in neat stacks or hung on the walls.				

FALCON	MONTHLY INSPECTION CHECKLIST – MATERIAL STORAGE	Doc/FME/009 REV # 05 Effective date 01.04.2026

20	Guardrails and toe boards are in place in elevated storage areas.				
21	Clear aisles are provided throughout the storage area to reduce trip/fall incidents.				
22	Appropriate ladders and step stools are provided for accessing shelves above shoulder level.				
23	Palletized items are shrink-wrapped to prevent unintended movement.				
24	Electrical connections, lights and appliances are properly maintained. Free for loose connection, damage cables, overload sockets etc.				
25	Are operatives working in store/yard are aware about manual handling, material stacking and storage. Attended specific trainings?				
26	Is there any expired material like abrasive wheels and damage tools are available in store?				
27	Are stacking shelves and storage area prepared with noncombustible material?				
28	First aid kits are accessible and free of obstructions.				
29	Others				
30	Others				

Inspected By (Storekeeper)		Accompanied By	
Position		Position	
Signature		Signature	
Date		Date	

FALCON	NOISE MONITORING SHEET	DOC/FM/010 REV # 05 Effective date 01.04.2026

Project :		**location:**					
Date & time of monitoring:							
Duration of monitoring:							
Noise meter name/serial:							
Type of monitoring: Continuous/Specific/Personal/Other:							
Reason for monitoring: Monthly (following complaint							
Weather conditions: Rainy/Sunny/Windy/Cloudy							
Location/Area							Other
Sound Measurement results: (LdBA)							Other
Specific level Or peak level							Other
Maximum Level where need action:			**Level exceeded:** Yes/No				
Major noise sources:		cutting/grinding	Plant and machinery		traffic		
		Power Generator	Other:				
Other sources of noise monitored:							
Noise Monitored by: **Signature:**				**Date**			

FALCON	INSPECTION CHECKLIST – SPILL KIT	DOC/FME/013 REV # 05 Effective date # 01.04.2026

Project Name:		Site No:	
Date:		Location:	
Spill Kit Capacity		Contractor:	

NO.	Points to Check	Yes	NO	Remarks
1.	Glasses, Face shield, Coat, Shoes and Covers available			
2.	Chemical absorbent (pads, socks, paper towels)			
3.	Acid/base Neutralizer			
4.	Polypropylene Squeegee, Pan, Broom			
5.	Tongs (for broken glass)			
6.	Hard-Walled Container for Glass/Sharps			
7.	Drain Stopper/Seal			
8.	Hard-Walled Container for Glass/Sharps - 2 mil Polyethylene Bags			
9.	Barricade and/or Caution Sign(s)			
10.	Employees wearing required Personal Protective Equipment?			
11.	Copy of Chemical Spill Cleanup Protocol			
12.	Amalgamation Powder (for labs using mercury)			
13.	Pedestrian walkways installed?			

Responsible Person for storage		**Inspected By**	
Position		**Position**	
Signature		**Signature**	
Date		**Date**	

FALCON MIDDLE EAST	MONTHLY INSPECTION CHECKLIST – DISTRIBUTION BOARD	DOC/FME/015 REV # 05 Effective date # 01.04.2026

Project Name:		Site No:	
Date:		Inspected Location:	
Time:		Contractor:	

NO.	POINTS TO CHECK	Yes	NO	NA	REMARKS
1.	Disconnects have proper covers & covers closed &fastened				
2.	Earth Leakage				
3.	No flexible cords taped or showing signs of wear				
4.	Emergency stop devices work				
5.	Controls Identified				
6.	Operators Trained				
7.	General Condition				
8.	Indicator lamps operating				
9.	Fire Extinguisher Available - Monthly Inspection Check				
10.	Switches & circuit breakers labeled				
11.	Unused openings are plugged				
12.	DB fitted with suitable ELCB (earth leakage circuit breaker)				
13.	Passage to the DB free from obstruction.				
14.	Warning sign (Electrical hazard) posted on the DB?				
15.	Proper protection available in case of rain?				
16.	Is DB fitted on non-combustible material/stand?				

Inspected By (Electrician)		Reviewed By	
Position		Position	
Signature		Signature	
Date		Date	

FALCON MIDDLE EAST	FIRST AID REGISTER	Doc/FME/011 REV # 05 Effective date 01.04.2026

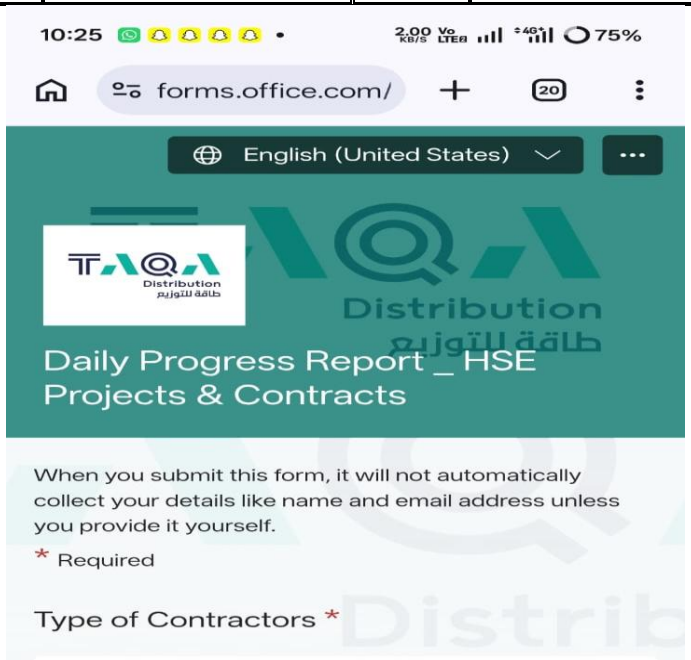
YEAR:

LOCATION:
Job No:

DATE / TIME	Name of Injured	Position	Nature of Injury	Place Incident Occurred	Brief Description of What Happened	Signature Of Supervisor	Remarks

27 APPENDIX – HSE WEEKLY WALKTHROUGH FORM

HSE WEEKLY WALKTHROUGH FORM						
Sl. No.	**Inspection Item**	**Yes / No / NA**	**Observation / Non-Conformance**	**Corrective Action Required**	**Responsible Person**	**Target Closure Date**
1	Housekeeping & access routes					
2	PPE compliance					
3	Permit to Work (PTW) compliance					
4	Excavation safety (if applicable)					
5	Electrical safety					
6	Tools & equipment condition					
7	Fire prevention & firefighting					
8	Signage & barricading					
9	Lifting operations (if applicable)					
10	Environmental controls					





28 APPENDIX – HSE WEEKLY CORRECTIVE ACTION REGISTRY

FALCON MIDDLE EAST	WORKPLACE HSE OBSERVATION REPORT	Doc/FME/07
		REV # 05
		Effective01-04-2026

WORKPLACE HSE OBSERVATION REPORT					
Project Name:				Ref.:	
Contract No.:		Date:		Time:	
Inspection of- (Check as appropriate): ☐ Fire & Emergency ☐ Welfare ☐ Scaffolding ☐ Lifting & Rigging ☐ Power tools ☐ Welfare Facility ☐ Plants & Equipment ☐ COSHH ☐ Confined Space ☐ Road Safety ☐ Excavation ☐ Housekeeping ☐ Electrical & Hand Tools ☐ Edge Protection ☐ PTW ☐ Housekeeping				Distribution: Project Manager, Safety Manager, Technical Coordinator, Safety File, Specialist contractor	
Inspected By:	**Name:** **Position:**			**Sign:**	
Reviewed By:	**Name:** **Position:**			**Sign:**	

Sr#	Location and description of workplace inspected	Matters observed that give rise to any health and safety risks with photographs	Details of action taken at time of inspection with photographs	Details of Preventive action considered necessary	Target Date & Sign by responsible person
01					
02					
03					

29 APPENDIX – MONTHLY BELOW THE HOOK INSPECTION FORM

FALCON MIDDLE EAST

WEBBING SLINGS INSPECTION CHECKLIST

Inspection Method: Visual **Date:**

Condition: **1: Satisfactory** **2: Needs Repair**

Webbing Sling SWL-Length:

Serial No.:

Sr. No.	Description of Activities	Condition 1	Condition 2	Remarks
1	Check: SWL, Mark, ID No. and inspection color code.			
2	Check certificate of warranty and material identity or state of conformity. Extra attention should be given to inspection for damage in webbing sling.			
3	Check for cuts, abrasion, signs of friction burns, weld burns, chemical contamination etc.			
4	Checks for signs of local abrasion that could have been caused by the sling being dragged. While in tension, over a sharp object.			
5	Check sledge for cuts			
6	Check for chemical contamination damage, recognized by weakening or softening of the webbing so that in extreme instances the surfaces fibers can be plucked or rubbed-off as powder.			
7	Check sling eyes for damage to the stitching, cuts and general damage.			
8	Check seams for damage and deterioration			
9	Check for friction burns or brittle and shiny patches caused by overheating			

General Observation and remarks.

Inspected By :	Verified By:

Site Below The Hook Rigging & Lifting Tackles Log

No.	Type	Sr/Indentification #	3rd Party Cert	Certifying Company Name	Issue Date	Expiry Date	Personnel Lifting Equipment?	Remarks
1	Others (Name in Remarks)	DT28283	S2992E-01/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	LYESTER WEB SLING 6TON &6METERS
2	Web/Synthetic Slings	DT28213	S2992E-01/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	POLYESTER WEB SLING 6TON &6METERS
3	Web/Synthetic Slings	DT21965	S2992E-02/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	POLYESTER WEB SLING 4TON &4METERS
4	Web/Synthetic Slings	DT21963	S2992E-02/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	POLYESTER WEB SLING 4TON &4METERS
5	Shackles	F1	S2992E-03/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	BOLT EYE SHACKLE 4.75 TONS
6	Shackles	F2	S2992E-03/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	BOLT EYE SHACKLE 4.75 TONS
7	Shackles	F3	S2992E-03/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	BOLT EYE SHACKLE 4.75 TONS
8	Shackles	F4	S2992E-03/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	BOLT EYE SHACKLE 4.75 TONS
9	Web/Synthetic Slings	DT27225	S2954E-01/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	POLYESTER WEB SLING 3TON &6METERS
10	Web/Synthetic Slings	DT27229	S2954E-01/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	POLYESTER WEB SLING 3TON &6METERS
11	Web/Synthetic Slings	DT17489	S2954E-02/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	POLYESTER WEB SLING 3TON &4METERS
12	Web/Synthetic Slings	DT17441	S2954E-02/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	POLYESTER WEB SLING 3TON &4METERS
13	Others (Name in Remarks)	F01	S2954E-03/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	SCREW PIN BOE SHACKLE 3.25TON
14	Others (Name in Remarks)	F02	S2954E-03/25	DU test caliberation certificate	3/10/2026	09-Sep-26	Yes	SCREW PIN BOE SHACKLE 3.25TON
	Others (Name in Remarks)	F03				09-Sep-26	Yes	

30 APPENDIX – HSE MONTHLY REPORTS FORM

TAQA Distribution Monthly Report

Project #:	**D-114841**	**Submission Date:**	31-May-26	**Contract Start Date:**	31-May-25
Contractor Company Name :	Falcon Middle East	**Consultant Company Name :**	NA	**Contract Completion Date:**	30-May-27
SOW:	Construction Works for the Extension of BAHPRY3 by 4th 33/11 kV, 20 MVA Transform			**TAQA D Project Eng. Name:**	Eng.Thekra Ahmed Alshadadi

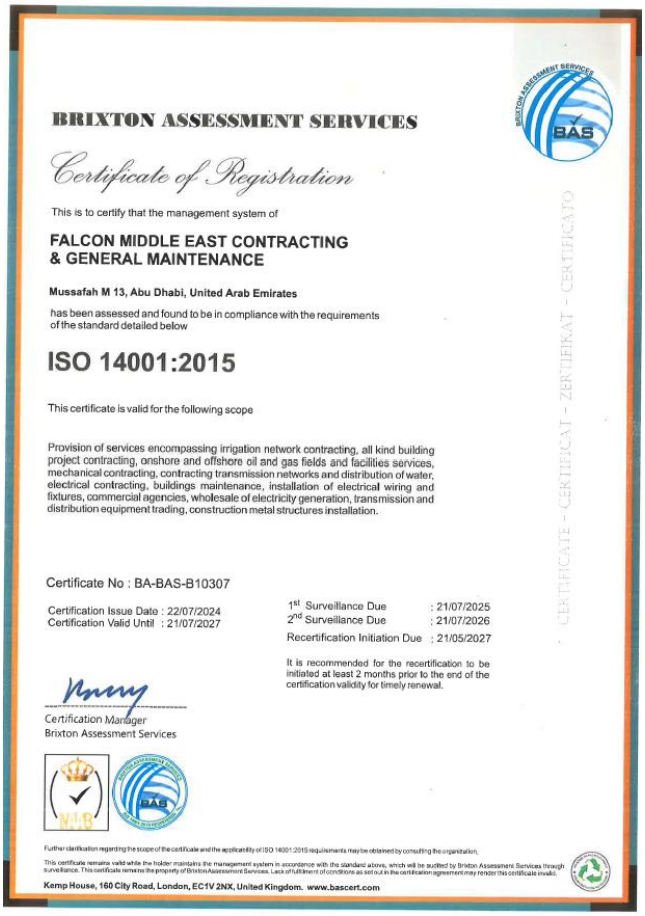
Prepared By Document Controller		Reviewed By HSE Officer/Engineer		Approved By Project Manager	
Name	**Phone # & Email ID**	**Name**	**Phone # & Email ID**	**Name**	**Phone # & Email ID**
Mark Antony	hse@falconme.ae	Ravinder Singh Jaswal	hse@falconme.ae	Eng. Mohammed Halith	050-899-3159

Notes:

1. The contractor shall ensure that the Monthly report file tabs are maintained as a live document during the project tenure and the final updated report file shall be submitted to COB by the end of each month.
2. All details of employees, certification dates, and other relevant details shall be accurate. Any discrepancies identified during the site verification or inspection shall result in disciplinary action to the Contractor's responsible Competent personnel.
3. Findings and suggestions should be noted in the "Remarks" column in each section.
4. All deficiencies must be reported along with a planned timeline for rectification and the assignment of the responsible person.
5. A copy of this form should be submitted as part of the distribution protocol.
6. All actions must be monitored in the tracker within the occurrence registry.
7. Please do not modify the format, feel free to reach out to add or modify the format according to the Project scope.

Page 1

31 APPENDIX -CONTRACTOR ISO CERTIFICATES



BRIXTON ASSESSMENT SERVICES

Certificate of Registration

This is to certify that the management system of

FALCON MIDDLE EAST CONTRACTING & GENERAL MAINTENANCE

Mussafah M 13, Abu Dhabi, United Arab Emirates

has been assessed and found to be in compliance with the requirements of the standard detailed below

ISO 14001:2015

This certificate is valid for the following scope

Provision of services encompassing irrigation network contracting, all kind building project contracting, onshore and offshore oil and gas fields and facilities services, mechanical contracting, contracting transmission networks and distribution of water, electrical contracting, buildings maintenance, installation of electrical wiring and fixtures, commercial agencies, wholesale of electricity generation, transmission and distribution equipment trading, construction metal structures installation.

Certificate No : BA-BAS-B10307

Certification Issue Date : 22/07/2024
Certification Valid Until : 21/07/2027

1st Surveillance Due : 21/07/2025
2nd Surveillance Due : 21/07/2026
Recertification Initiation Due : 21/05/2027

It is recommended for the recertification to be initiated at least 2 months prior to the end of the certification validity for timely renewal.

Certification Manager
Brixton Assessment Services

Further clarification regarding the scope of the certificate and the applicability of ISO 14001:2015 requirements may be obtained by consulting the organization.

This certificate remains valid while the holder maintains the management system in accordance with the standard above, which will be audited by Brixton Assessment Services through surveillance. This certificate remains the property of Brixton Assessment Services. Lack of fulfilment of conditions as set out in the certification agreement may render this certificate invalid.

Kemp House, 160 City Road, London, EC1V 2NX, United Kingdom. www.bascert.com

CERTIFICATE - CERTIFICAT - ZERTIFIKAT - CERTIFICATO



BRIXTON ASSESSMENT SERVICES

Certificate of Registration

This is to certify that the management system of

FALCON MIDDLE EAST CONTRACTING & GENERAL MAINTENANCE

Mussafah M 13, Abu Dhabi, United Arab Emirates

has been assessed and found to be in compliance with the requirements of the standard detailed below

ISO 45001:2018

This certificate is valid for the following scope

Provision of services encompassing irrigation network contracting, all kind building project contracting, onshore and offshore oil and gas fields and facilities services, mechanical contracting, contracting transmission networks and distribution of water, electrical contracting, buildings maintenance, installation of electrical wiring and fixtures, commercial agencies, wholesale of electricity generation, transmission and distribution equipment trading, construction metal structures installation.

Certificate No : BA-BAS-B10306

Certification Issue Date : 22/07/2024
Certification Valid Until : 21/07/2027

1st Surveillance Due : 21/07/2025
2nd Surveillance Due : 21/07/2026
Recertification Initiation Due : 21/07/2027

It is recommended for the recertification to be initiated at least 2 months prior to the end of the certification validity for timely renewal.

Certification Manager
Brixton Assessment Services

Further clarification regarding the scope of the certificate and the applicability of ISO 45001:2018 requirements may be obtained by consulting the organization.

This certificate remains valid while the holder maintains the management system in accordance with the standard above, which will be audited by Brixton Assessment Services through surveillance. This certificate remains the property of Brixton Assessment Services. Lack of fulfilment of conditions as set out in the certification agreement may render this certificate invalid.

Kemp House, 160 City Road, London, EC1V 2NX, United Kingdom. www.bascert.com

CERTIFICATE - CERTIFICAT - ZERTIFIKAT - CERTIFICATO



BRIXTON ASSESSMENT SERVICES

Certificate of Registration

This is to certify that the management system of

FALCON MIDDLE EAST CONTRACTING & GENERAL MAINTENANCE

Mussafah M 13, Abu Dhabi, United Arab Emirates

has been assessed and found to be in compliance with the requirements of the standard detailed below

ISO 9001:2015

This certificate is valid for the following scope

Provision of services encompassing irrigation network contracting, all kind building project contracting, onshore and offshore oil and gas fields and facilities services, mechanical contracting, contracting transmission networks and distribution of water, electrical contracting, buildings maintenance, installation of electrical wiring and fixtures, commercial agencies, wholesale of electricity generation, transmission and distribution equipment trading, construction metal structures installation.

Certificate No : BA-BAS-B10305

Certification Issue Date : 22/07/2024
Certification Valid Until : 21/07/2027

1st Surveillance Due : 21/07/2025
2nd Surveillance Due : 21/07/2026
Recertification Initiation Due : 21/05/2027

It is recommended for the recertification to be initiated at least 2 months prior to the end of the certification validity for timely renewal.

Certification Manager
Brixton Assessment Services

Further clarification regarding the scope of the certificate and the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization.

This certificate remains valid while the holder maintains the management system in accordance with the standard above, which will be audited by Brixton Assessment Services through surveillance. This certificate remains the property of Brixton Assessment Services. Lack of fulfilment of conditions as set out in the certification agreement may render this certificate invalid.

Kemp House, 160 City Road, London, EC1V 2NX, United Kingdom. www.bascert.com

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32 APPENDIX -CONTRACTOR BUSINESS LICENSE

ADRA
Abu Dhabi Registration Authority

دائرة التنمية الاقتصادية
DEPARTMENT OF ECONOMIC DEVELOPMENT

رخصة أبوظبي الاقتصادية
Abu Dhabi Economic Licence

Licence Details — **تفاصيل الرخصة**

Licence Type	Business	تجارية	نوع الرخصة
Licence Category	Normal	عادية	فئة الرخصة
Licence No.	CN-1173223		رقم الرخصة
Unified Registration No.	101-2021-100025047		رقم التسجيل الموحد
Unified Licence No.	501-2009-100075082		رقم الرخصة الموحد
Establishment Date	21/10/2009		تاريخ التأسيس
Issuance Date	11/03/2026		تاريخ الإصدار
Expiry Date	05/04/2027		تاريخ الانتهاء
Legal Form	Limited Liability Company - Sole Proprietorship Company	شركة ذات مسؤولية محدودة - شركة الشخص الواحد	الشكل القانوني
Trade Name	FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE - SOLE PROPRIETORSHIP L.L.C.	فالكون ميدل ايست للمقاولات والصيانة العامة - شركة الشخص الواحد ذ م م	الإسم التجاري

Ownership and Representatives — **الملكية والممثلين**

ممثل عن Representative of	الدور/المنصب Role/Position	الجنسية Nationality	الإسم Name
	مالك	الإمارات العربية المتحدة	اياد محمد مسلم سالمه ضهير
	Owner	United Arab Emirates	EYAD MOHAMED MUSALAM SALAMA DAHIR
	مدير	فلسطين	محمد احمد عبد الشاعر
	Manager	Palestine	MOHAMMED A E ALSHAER

Licence Activities — **الأنشطة المرخصة**

- * Irrigation Network Contracting	4220402	- * مقاولات شبكات الري
- * Main Roads, Streets and Related Works Contracting	4210001	- * مقاولات الطرق الرئيسية و الشوارع والاعمال المتعلقة بها
- * All Kind Building Projects Contracting	4100002	- * مقاولات مشاريع المباني بانواعها
- Onshore And Offshore Oil And Gas Fields And Facilities Services	0910018	- خدمات حقول ومنشآت النفط والغاز البرية والبحرية
- * Mechanical Contracting	4220903	- * المقاولات الميكانيكية
- * Contracting Transmission Networks and Distribution of Water	4220202	- * مقاولات شبكات نقل وتوزيع المياه
- * Electrical Contracting	4220904	- * المقاولات الكهربائية
- Buildings Maintenance	4329901	- صيانة المباني
- Installation of electrical wiring and fixtures	4321001	- تركيب التمديدات والتركيبات الكهربائية
- Commercial Agencies	4610002	- وكالات تجارية
- Wholesale of Electricity Generation, Transmission and Distribution Equipment Trading	4659104	- تجارة معدات توليد الطاقة الكهربائية ونقلها وتوزيعها - بالجملة
- Construction Metal structures Installation	4322010	- تركيب الهياكل المعدنية الأنشائية

The Contractor is not permitted to practice the activities marked with sign (*) unless these activities are classified and a Classification certificate is obtained for the department of Department of Urban Planning and Municipalities

لا يحق للمقاول ممارسة الأنشطة المشار إليها بعلامة (*) إلا بعد الحصول على شهادة التصنيف المعتمدة من دائرة التخطيط العمراني والبلديات.

33 APPENDIX -WASTE MANAGEMENT CONTRACT

ISLAND FALCON Waste Management — صقر الجزيرة لإدارة النفايات

WASTE MANAGEMENT AGREMENT

This Agreement (The "Contract") is made and effective on NOV, 01, 2025 with reference no.IFWM25-11.

BETWEEN: ISLAND FALCON WASTE MANAGEMENT (The "First Party"), an establishment organized and existing under the laws of the Abu Dhabi of United Arab Emirates, its head office located at Ahmed Abdullah Al Falasi Building Office # 20 Mussfah M-43.Phone:02 5590815 Mobile: 0561933041 Email: islandfal@emirates.net.ae .

AND: FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENACE LLC (The "Second Party") a company organized and existing under the laws of the Abu Dhabi Of United Arab Emirates, its Office located at Mussafah Tel: 02-5538723

Introduction

WHEREAS the second party requires services for general waste removal from its site locations as per "The Center Of Waste Management – Abu Dhabi" rules and regulations and under the laws of Municipality and the center of the Waste Management-Abu Dhabi, And Whereas the First Party represent that it has the necessary resources and willingness to carry out the works as hereinafter defined and has obtained a valid CWM Permit No (PMT-16-19097) from The Center of Waste Management- Abu Dhabi To perform this Services. NOW THEREFORE the First Party and Second Party, together "the Parties", agree as follows:

1. **Introduction**
   The Introduction is considered as a part of this contract.
2. **Term**
   The duration/term of this contract is one 1 year from the effective date above, provided that term shall thereafter automatically renew from time to time successive, additional one-year term unless either party shall provide a written notice of termination at least 1 one month prior to the end date.
   Prices are valid for the duration of the contract period subject to no change in specification, market inflation, and Government policy that may severely affect the First Party's cost. In such event's both parties should mutually agree on the revised rates to accommodate such inflation in cost.

ISLAND FALCON Waste Management — صقر الجزيرة لإدارة النفايات

3. **FIRST PARTY'S RESPONSIBILITES**
   - First Party will keep one (1) heavy duty steel skips (9 m3) for general waste removal placed inside the second party premises. Drum Dimensions are:(Height (172) cm- Base (215x150)cm- Center (340x163)cm).
   - First Party will arrange to collect and replace the skip and dispose the waste in the allocated locations of according to the instruction of Tadweer- Center Of Waste Management & applying bolisaty (E-Manifist) System.
   - First Party will arrange skip removal recurrence as per agreed schedule with the second party.
4. **SECOND PARTY'S RESPONSIBILITES**
   - Second party will use the waste drums for general waste (non-hazardous) only as stated in the permit of the First Party.
   - Second Party will be solely responsible for any chemical or hazardous waste included in the skip placed on its side and any fines consequently.
   - The Second Party will facilitate to entry and exit First Party trucks for easy access and skip removal.
5. **PRICING SHEDULE**
   - First Party confirms to undertake providing the skip removal services for the second Party at the following price:
     Skip Removal Trip (9m3 Drum).... AED 300/-
     VAT will be added to the invoice as per local laws.
6. **BILLING & TERMS OF PAYMENT**
   First Party will charge monthly invoice payment should be made 30 days PDC from the date of the invoice.
7. **TERMINATION**
   - Both Parties shall have the to terminate this contract giving thirty 30 Day's written notice.
8. **ENTIRE AGREEMENT**
   - This Contract embodies the entire contract between both parties and shall not be bound by or be liable for any statement promise, inducement or understanding of any kind or nature not set forth herein, no changes, amendments of modifications of the terms and conditions of this contract shall be valid unless reduced to writing and signed by both parties.

info.ifwm@fgroup.ae
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Tel: +971 2 6229974 / 5546364 . Fax +971 2 6229975 / 5540302 . P.O.Box 105599, Abu Dhabi, United Arab Emirates

ISLAND FALCON Waste Management — صقر الجزيرة لإدارة النفايات

9. **APPLICABLE LAWS**
   - The Law of Abu Dhabi and U.A.E hereto shall govern the constitution, validity and performance of this contract and the legal relation of both parties; such laws include without limitation any ordinance rule decree regulation or any governmental authority or agency of Abu Dhabi.
   - Any disputes, claim difference relating to this contract or breach thereof shall be referred to the courts of Abu Dhabi.
10. **NOTICE**
    - Any notice to the purpose of this contract may serves by either party on the other by sending the same registered mail, postage or confirmed fax addressed to the addressed mentioned above any notice shall be considered effective upon receipt confirmation.
    - This Contract is made of two original copies one for each party.

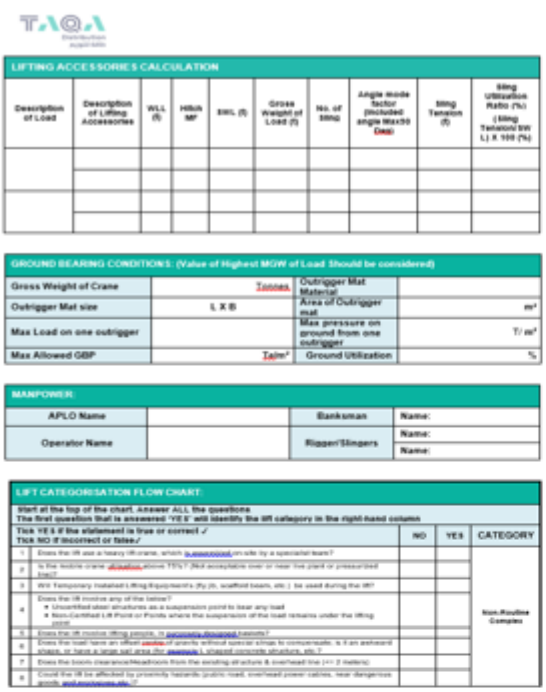
IN WITHNESS WHEREOF, the parties hereto have executed this contract as of the day year first above written.

First Party — ISLAND FALCON WASTE MANAGEMENT

Second Party — FALCON MIDDLE EAST

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34 APPENDIX -LIFTING PLAN TAMPLATE



LIFTING ACCESSORIES CALCULATION

Description of Load	Description of Lifting Accessories	WLL (t)	Hitch MF	SWL (t)	Gross Weight of Load (t)	No. of Sling	Angle mode factor (included angle Max/90 Deg)	Sling Tension (t)	Sling Utilization Ratio (%) (Sling Tension/ SW L) X 100 (%)

GROUND BEARING CONDITIONS: (Value of Highest MGW of Load Should be considered)

Gross Weight of Crane	Tonnes	Outrigger Mat Material	
Outrigger Mat size	L X B	Area of Outrigger mat	m²
Max Load on one outrigger		Max pressure on ground from one outrigger	T/ m²
Max Allowed GBP	Ta/m²	Ground Utilization	%

MANPOWER:

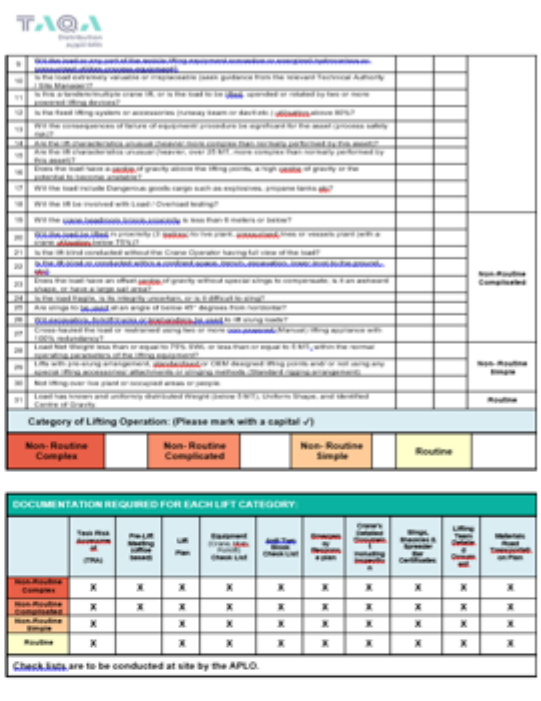
APLO Name		Banksman	Name:
Operator Name		Rigger/Slingers	Name:
			Name:

LIFT CATEGORISATION FLOW CHART:

Start at the top of the chart. Answer ALL the questions
The first question that is answered 'YES' will identify the lift category in the right-hand column

Tick YES if the statement is true or correct ✓
Tick NO if incorrect or false✓

		NO	YES	CATEGORY
1	Does the lift use a heavy lift crane, which is experienced, on site by a specialist team?			
2	Is the mobile crane utilization above 75%? (Not acceptable over or near live plant or pressurised lines)			
3	Will Temporary Installed Lifting Equipment's (Fly jib, scaffold beam, etc.) be used during the lift?			
4	Does the lift involve any of the below? • Unverified steel structures as a suspension point to bear any load • Non-Certified Lift Point or Points where the suspension of the load remains under the lifting point			
5	Does the lift involve lifting people, in excessively elongated heights?			
6	Does the load have an offset centre of gravity without special slings to compensate, is it an awkward shape, or have a large set area (for example L shaped concrete structure, etc.)?			
7	Does the boom clearance/Headroom from the existing structure & overhead line (+/- 2 meters)			
8	Could the lift be affected by proximity hazards (public road, overhead power cables, near dangerous goods and explosives etc.)?			



9	Will the load or any part of the lifting lifting equipment suspended or energised temporarily during crossing movements?										
10	Is the load extremely valuable or irreplaceable (seek guidance from the relevant Technical Authority / Site Manager)?										
11	Is this a tandem/multiple crane lift, or is the load to be lifted, upended or rotated by two or more powered lifting devices?										
12	Is the fixed lifting system or accessories (runway beam or deck/etc.) elevation above 80%?										
13	Will the consequences of failure of equipment/ procedure be significant for the asset (process safety risk)?										
14	Are the lift characteristics unusual (heavier, more complex than normally performed by this asset)?										
15	Are the lift characteristics unusual (heavier, over 25 MT, more complex than normally performed by this asset)?										
16	Does the load have a centre of gravity above the lifting points, a high centre of gravity or the potential to become unstable?										
17	Will the load include Dangerous goods cargo such as explosives, propane tanks etc?										
18	Will the lift be involved with Load / Overload testing?										
19	Will the crane need/may travel especially is less than 6 meters or below?										
20	Will the load be lifted in proximity (3 meters) to live plant, pressurised lines or vessels plant (with a crane capacity below 75%)?										
21	Is the lift kind conducted without the Crane Operator having full view of the load?										
22	Is the lift over or conducted within a confined space (trench, excavation, road, over/in the private, etc)										
23	Does the load have an offset centre of gravity without special slings to compensate, is it an awkward shape, or have a large set area?										
24	Is the load fragile, is its integrity uncertain, or is it difficult to sling?										
25	Are slings to be used at an angle of below 45° degrees from horizontal?										
26	Will excavation, forklift vans or scaffolding be used to lift sling loads?										
27	Cross-hauled the load or restrained using two or more non-powered Manual lifting appliance with (100% redundancy)?										
28	Load Not Weight less than or equal to 75% SWL or less than or equal to 5 MT, within the normal operating parameters of the lifting equipment?										
29	Lifts with pre-slung arrangement, specialised or OEM designed lifting points and/ or not using any special lifting accessories, attachments or unique methods. (Specified / special arrangement)										
30	Not lifting over live plant or occupied areas or people.										
31	Load has known and uniformly distributed Weight (below 5 MT), Uniform Shape, and Identified Centre of Gravity										

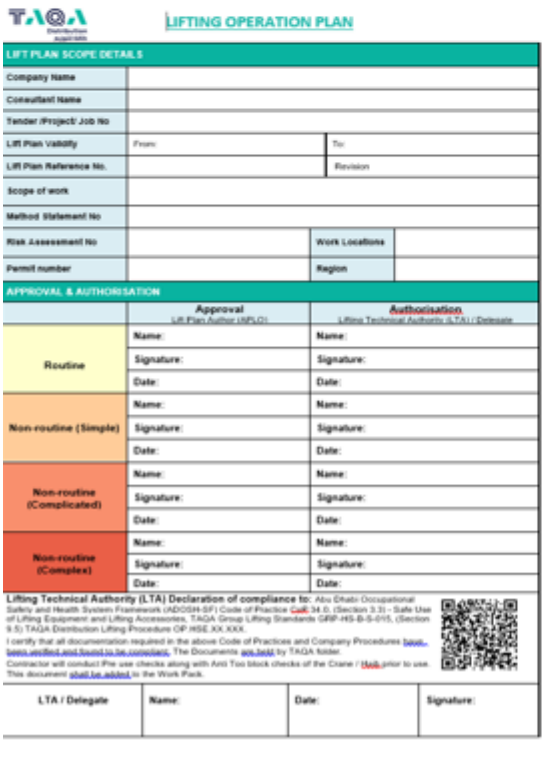
Category of Lifting Operation: (Please mark with a capital ✓)

Non- Routine Complex		Non- Routine Complicated		Non- Routine Simple		Routine	

DOCUMENTATION REQUIRED FOR EACH LIFT CATEGORY:

	Task Risk Assessment (TRA)	Pre-Lift Meeting (office based)	Lift Plan	Equipment Check List	Anti-Two Block Check List	Diagram or Pictures, 4 plan	Crane's Certified Operator (including Inspection)	Slings, Shackles & Spreader Bar Certificates	Lifting Team Certificates of Competency	Materials Hoist Transported on Plan
Non-Routine Complex	X	X	X	X	X	X	X	X	X	X
Non-Routine Complicated	X	X	X	X	X	X	X	X	X	X
Non-Routine Simple	X		X	X	X	X	X	X	X	X
Routine	X		X	X	X	X	X	X	X	X

Check lists are to be conducted at site by the APLO.



LIFTING OPERATION PLAN

LIFT PLAN SCOPE DETAILS

Company Name			
Consultant Name			
Tender /Project/ Job No			
Lift Plan Validity	From:	To:	
Lift Plan Reference No.		Revision	
Scope of work			
Method Statement No			
Risk Assessment No		Work Locations	
Permit number		Region	

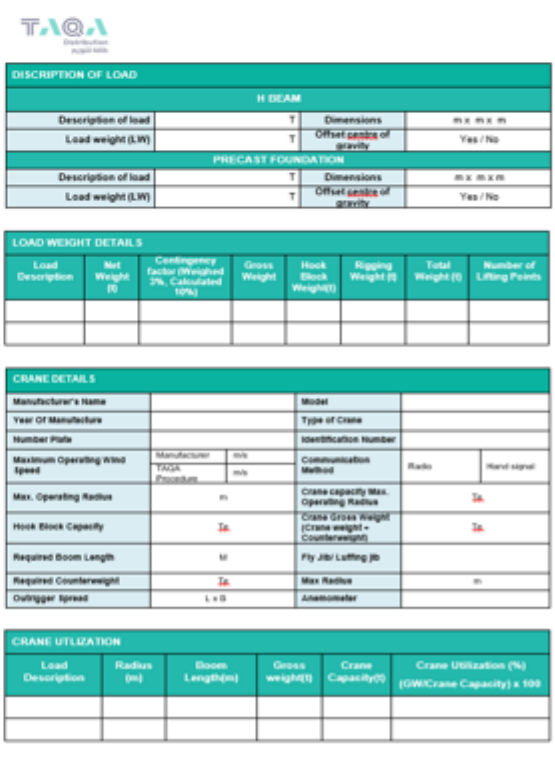
APPROVAL & AUTHORISATION

	Approval (Lift Plan Author (APLO))	Authorisation (Lifting Technical Authority (LTA) / Delegate)
Routine	Name:	Name:
	Signature:	Signature:
	Date:	Date:
Non-routine (Simple)	Name:	Name:
	Signature:	Signature:
	Date:	Date:
Non-routine (Complicated)	Name:	Name:
	Signature:	Signature:
	Date:	Date:
Non-routine (Complex)	Name:	Name:
	Signature:	Signature:
	Date:	Date:

Lifting Technical Authority (LTA) Declaration of compliance to: Abu Dhabi Occupational Safety and Health System Framework (ADOSH-SF) Code of Practice CoP 34.0, (Section 3.3) - Safe Use of Lifting Equipment and Lifting Accessories, TAQA Group Lifting Standards GRP-HS-B-S-015, (Section 9.5) TAQA Distribution Lifting Procedure OP HSE XX.XXX.

I certify that all documentation required in the above Code of Practices and Company Procedures have been verified and found to be compliant. The Documents are held by TAQA folder.
Contractor will conduct Pre use checks along with Anti Too block checks of the Crane / Hook prior to use.
This document shall be added to the Work Pack.

LTA / Delegate	Name:	Date:	Signature:



DISCRIPTION OF LOAD

H BEAM			
Description of load	T	Dimensions	m x m x m
Load weight (LW)	T	Offset centre of gravity	Yes / No
PRECAST FOUNDATION			
Description of load	T	Dimensions	m x m x m
Load weight (LW)	T	Offset centre of gravity	Yes / No

LOAD WEIGHT DETAILS

Load Description	Net Weight (t)	Contingency factor (Weighed 3%, Calculated 10%)	Gross Weight	Hook Block Weight(t)	Rigging Weight (t)	Total Weight (t)	Number of Lifting Points

CRANE DETAILS

Manufacturer's Name			Model		
Year Of Manufacture			Type of Crane		
Number Plate			Identification Number		
Maximum Operating Wind Speed	Manufacturer	m/s	Communication Method	Radio	Hand signal
	TAQA Procedure	m/s			
Max. Operating Radius	m		Crane capacity Max. Operating Radius	Ta	
Hook Block Capacity	Ta		Crane Gross Weight (Crane weight + Counterweight)	Ta	
Required Boom Length	M		Fly Jib/ Luffing jib		
Required Counterweight	Ta		Max Radius	m	
Outrigger Spread	L x B		Anemometer		

CRANE UTLIZATION

Load Description	Radius (m)	Boom Length(m)	Gross weight(t)	Crane Capacity(t)	Crane Utilization (%) (GW/Crane Capacity) x 100

35. APPENDIX- DOCUMENT AVAILABLE AT SITE:

The following records are maintained in the Site HSE File and available for TAQA review at any time

- Daily LMRA & TBT forms
- Daily HSE observation forms
- Weekly walkthrough forms
- Corrective action registry
- PTW copies
- Training & induction attendance records
- Equipment inspection logs
- Method Statement and Risk Assessment
- Medical Fitness Certificate of Employees
- Competent Person list
- List of First Aider
- List of Fire Fighters
- Emergency Contract persons(Internal and External)
- Project key Persons
- Internal and External Audit reports
- List of HSE campaign as per TAQA

And list of below mentioned folder will be maintained for full compliance of TAQA:-

Name

- 1. PROJECT CONTRACT AGREEMENT & RELATED DOCUMENTS
- 2. PROJECT INSURANCE LIABILITY
- 3. PROJECT SUB-DOCUMENTS (TAQA , ADDC REFERENCE DOCUMENTS, NOC, DRAWINGS & APPRO
- 4. PROJECT HSE PLAN
- 5. PROJECT METHOD STATEMENT & RISK ASSESSMENT
- 6. MEDICAL FITNESS CERTIFICATE & EMIRATES ID FOR ALL THE WORKERS & STAFF
- 7. ORGANOGRAM, EMERGENCY CONTACT DETAILS
- 8. COMPTENT PERSON, SUPERVISORS , FIRST AIDERS & HSE CONTACT DETAILS
- 9. PROJECT WEEKLY MEETING REPORT
- 10. PROJECT MONTHLY MEETING REPORT
- 11. PROJECT HSE STATISTICS & KPI REPORT
- 12. PROJECT KEY PERSONAL CONTACT DETAILS
- 13. PROJECT HSE INSPECTION REPORT , CLOSE OUT & TRACKING REGISTER
- 14. PROJECT HSE LEADERSHIP VISIT & REPORT
- 15. PROJECT EMERGENCY RESPONSE PLAN
- 16. PROJECT HSE WASTE MANAGEMENT REPORT
- 17. PROJECT HSE INDUCTION, TOOLBOX TALK, TRAINING MATRIX & RECORDS
- 18. PROJECT THIRD PARTY TRAINING & RECORDS
- 19. PROJECT NEAR MISS, FIRST AID, INCIDENT, PROPERTY DAMAGE & ACCIDENT REPORT
- 20. PROJECT SITE MONTHLY INSPECTIONS
- 21. PROJECT RECONGINTION AND REWARD
- 22. PROJECT HSE AUDIT REPORT
- 23. DEMOBILIZATION PLAN & CHECKLIST
- 24. Falcon IMS Procdure- R05
- 25. Monthly Statistics Report(New Format-April-2026
- 26. HSE Compaign(TAQA Requirement)
- 27. LFI
- 28.TAQA-ADOSH
- 29. TAQA (Latest doc.)
- 30.HSE compaign daily basis(Whatapp)

Third-party certifications applicable to this project:

- ISO 45001:2018
- ISO 14001:2015
- ISO 9001:2015

"FME Contracting & General Maintenance will implement and strictly adhere to all applicable TAQA forms, checklists, and related documentation requirements at the project site. All activities shall be carried out in full compliance with TAQA's standards, procedures, and regulatory guidelines to ensure quality, safety, and operational excellence"

Meeting Title:	MANAGEMENT REVIEW		
Date & Time:	16/08/2026 10:00 AM	**Location:**	Meeting Room, Falcon Office, Mahvi

Meeting Attendee/s		
Name	**Department**	**Position**
Ravinder Singh Jaswal	**HSE**	**HSE ENGINEER**
Tariq Badran	**Project manger**	**Project Manager**
Sadam Masood	**Project Engineer**	**Project Engineer**
Nishama	**HR**	**HR**
Bala Gopal	**QA/QC**	**Quality Engineer**
Mohd. Jasim	**Electrical/APLO**	**Site Engineer**

1. PURPOSE AND SCOPE: Top Management conducted this review to confirm the continuing suitability, adequacy and effectiveness of the Integrated Management System (IMS), including the Quality, Environmental and Occupational Health & Safety (OH&S) management arrangements. Particular attention was given to project HSE performance, applicable legal and other requirements, TAQA Distribution (TQD) HSE requirements and the mandatory TQD HSE KPIs for 2026.

2. Agenda:

1. Status of actions arising from previous management reviews.
2. Changes in internal and external issues relevant to the IMS, including project scope, work locations, workforce, operational conditions and client requirements.
3. Customer satisfaction and feedback from customers and other relevant interested parties, including TQD comments, complaints and service feedback.
4. Process performance and conformity of services, including operational controls, inspection and testing, work quality and service delivery.
5. Nonconformities, incidents, near misses, unsafe acts/conditions, positive observations and corrective actions.
6. Monitoring and measurement results, including HSE inspections, workplace monitoring, equipment inspections and performance indicators.
7. Internal and external audit results, findings, trends and status of close-out actions.
8. Performance and HSE compliance of external providers, subcontractors and suppliers.
9. Adequacy of people, competence, training, equipment, PPE, welfare facilities, emergency arrangements and other resources.
10. Effectiveness of actions taken to address IMS risks and opportunities, including project risk assessments and method statements.
11. Opportunities for continual improvement in QHSE performance and operational controls.
12. Changes in the needs and expectations of interested parties, including applicable compliance obligations and TQD requirements.

13. Changes in significant environmental aspects and associated impacts, including waste, energy, water, emissions and spill prevention.
14. Changes in OH&S hazards, risks and opportunities, including changing work activities, interfaces and site conditions.
15. Extent to which IMS objectives and targets have been achieved.
16. Fulfilment and evaluation of applicable legal, regulatory, client and other compliance obligations.
17. Relevant communications from interested parties, including complaints, notices, audit comments and TQD communications.
18. Results of worker participation and consultation, including toolbox talks, safety meetings, briefings and worker feedback.
19. Status and outcomes of incident investigations, corrective actions and preventive/risk-reduction actions.
20. TQD HSE KPIs 2026: review of KPI requirements, performance, reporting, evidence, trends and actions required to ensure full compliance.

3. MANAGEMENT REVIEW DECISIONS:

SN	Decision/ Discussion Points	Target Date	Responsible	Remarks
1	Previous management review actions were reviewed. Department Heads shall verify the status of each open action, provide objective evidence of completion and escalate overdue actions to the QHSE/IMS Representative. Where no actions remain open, this shall be supported by the previous action tracker.	Information	N/A	Previous MRM evidences
2	Top Management reviewed the IMS Quality, Environmental and OH&S Policies. The policies remain appropriate to the organization's activities and strategic direction, subject to confirmation against current operations and client requirements. Policies shall be displayed at prominent locations, communicated during induction/toolbox talks and made available to relevant interested parties.	Immediate	General Manager/HODs	Approved policies, display photographs, induction and awareness records
3	IMS objectives and targets shall be maintained with measurable indicators, assigned owners, monitoring frequency and evidence. Department Heads shall review performance at defined intervals and initiate action where targets are not achieved. HSE objectives shall be aligned with TQD HSE KPIs 2026 and applicable project requirements.	Monthly monitoring; quarterly review	MR and all HODs	IMS objectives register, KPI dashboard and departmental records.

4	TQD HSE KPIs 2026 were identified as a mandatory compliance and performance-monitoring requirement for applicable TQD projects. The project teams shall obtain and use the latest client-issued KPI definitions, calculation methodology, reporting format and submission deadlines. KPI performance shall be monitored, reported accurately and supported by traceable evidence. The organization's stated targets include Zero Lost Time Injuries (LTI) and quarterly TRIR not exceeding 0.06, subject to the current TQD KPI document and its definitions.	monthly tracking and quarterly review	Project Manager/ and HSE Team	Current TQD HSE KPI 2026 document, KPI register, monthly/quarterly reports, incident statistics and supporting evidence.
5	The internal audit programme shall be risk-based and cover ISO 9001, ISO 14001, ISO 45001, applicable ADOSH-SF requirements and relevant TQD contractual/HSE requirements. Findings shall be classified, assigned to responsible persons and closed within approved timeframes. Effectiveness of corrective actions shall be verified before closure. Internal Audit: 13/08/2026 Major NC : 2 Minor NC :1 OFI :1	As per approved audit programme;	MR / Internal Auditors / HODs	Audit programme, audit reports, NC register and effectiveness verification.
6	All nonconformities, observations, complaints, inspection findings and audit findings shall be recorded, corrected and investigated to identify root causes. Corrective actions shall address the cause and prevent recurrence. Closure shall be based on objective evidence and verification of effectiveness, not submission alone.	As per action plan	Concerned Project Manager QHSE	NC/CAR register, root-cause analysis, action evidence and verification records.
7	HSE performance shall be reviewed using leading and lagging indicators, including LTI, TRIR, first-aid cases, near misses, unsafe acts/conditions, positive observations, inspections, toolbox talks, training, emergency drills and action close-out. Trends shall be analysed and improvement actions assigned.	Monthly; quarterly management review	QHSE Team / Project Managers	HSE statistics, inspection and observation reports.
8	Operational risk controls shall be implemented before work starts. Project risk assessments and method statements shall be activity-specific, communicated to the workforce and submitted to TQD for review/approval where required. Work shall not proceed where mandatory permits, approvals, NOCs, competent personnel or critical controls are absent.	Before commencement of each activity; continuous	Project Manager / Site Engineer / HSE Officer	Approved MSRA, PTW, toolbox talk records, NOCs and inspection records.

9	Legal and other requirements registers shall be reviewed and updated to identify requirements applicable to the organization and each active project. Project-specific legal/client obligations, permits, licences and expiry dates shall be assigned to responsible persons and monitored for validity.	Monthly review; update when changes occur	QHSE-MR / HODs / Project Managers	Updated legal register, compliance evaluation, permits and licences.
10	Compliance obligations shall be evaluated at planned intervals. Any gap shall be recorded with a corrective action, responsible person and due date. TQD, ADOSH-SF, UAE federal/local requirements and other applicable authority/client requirements shall be considered.	At least quarterly and upon regulatory change	QHSE-MR / Compliance owners	Legal compliance evaluation and evidence register.
11	Competence and training needs shall be reviewed for employees, operators, drivers, supervisors, first aiders, fire wardens and other safety-critical roles. Valid third-party certificates, medical fitness where required, inductions, refresher training and competency assessments shall be available at the workplace and centrally controlled.	Training matrix review monthly; before assignment	HR / HODs / QHSE / Project Managers	Training matrix, certificates, medical fitness records where applicable, induction and competency records.
12	Plant, vehicles, lifting equipment, tools and electrical equipment shall be included in a controlled register. Monthly/periodic inspections, preventive maintenance, statutory certification, operator authorization and defect close-out shall be monitored. Defective or uncertified equipment shall be removed from service.	monthly inspection	Plant & Equipment In-charge / Project Managers / HSE	Equipment register, inspection checklists, maintenance records and certificates.
13	Emergency preparedness shall be maintained through site-specific emergency plans, accessible emergency contacts, suitable firefighting and first-aid equipment, trained personnel and planned drills. Drills shall be coordinated with TQD where required, documented and followed by lessons-learned actions.	As per approved drill programme; review after each drill	Project Manager / HSE Officer / First Aider / Fire Warden	Emergency plan, drill notification, attendance, photographs, report and action tracker.
14	Worker consultation and participation shall be strengthened through toolbox talks, safety committee/coordination meetings, pre-task briefings, worker feedback and reporting of hazards, near misses and positive observations. Actions arising shall be communicated back to the workforce.	Continuous; review monthly	HODs / Supervisors / HSE Team	TBT records, meeting minutes, attendance and feedback/action records.
15	Environmental aspects and impacts shall be reviewed for current activities. Controls shall address waste segregation and disposal, spill prevention, chemical storage, dust/noise where relevant, water conservation and energy efficiency.	Quarterly and when activities change	QHSE-MR / Project Managers / Store In-charge	Aspect-impact register, waste records, inspection checklists and awareness records.

	Significant changes shall trigger reassessment.			
16	Resource adequacy was reviewed. Management shall provide competent manpower, supervision, PPE, tools, monitoring equipment, welfare facilities, training and emergency resources based on workload, risk and contractual requirements. Resource shortages shall be escalated promptly.	Ongoing; review monthly	General Manager / HODs / Project Managers	Manpower plan, PPE issue records, procurement requests and resource review.
17	External providers and subcontractors shall be evaluated for competence, HSE performance, statutory compliance, equipment certification, training and adherence to Falcon/TQD requirements. Poor performance shall result in corrective action, re-evaluation or restriction from work as appropriate.	Before approval and annually; monitor during work	Procurement / Project Managers / QHSE	Approved provider list, prequalification, evaluation and site monitoring records.
18	Customer satisfaction and interested-party feedback, including TQD comments, complaints, audit observations and correspondence, shall be logged, acknowledged and addressed within agreed timeframes. Recurring concerns shall be analysed for systemic improvement.	Immediate response; monthly trend review	General Manager / Project Managers / HODs	Customer feedback register, complaint log, correspondence and close-out evidence.
19	Process performance and conformity of services shall be assessed through inspection and test results, work completion records, client acceptance, rework/nonconformity trends and project performance. Any failure to meet specified requirements shall be controlled and corrected.	Monthly / at project milestones	Operations / QA-QC / Project Managers	ITPs, inspection records, test reports, handover and client acceptance records.
20	Risks and opportunities shall be reviewed when there are changes in scope, location, work methods, equipment, workforce, legislation, client requirements or incident trends. The effectiveness of existing controls shall be verified and risk assessments revised where necessary.	At change and quarterly review	HODs / Project Managers / QHSE	Risk and opportunity register, revised RA and management-of-change records.
21	Management reviewed the need for continual improvement, including stronger digital/online reporting of unsafe acts, unsafe conditions and positive observations; improved KPI visibility; timely close-out of findings; and improved workforce awareness. Feasible initiatives shall be assigned and monitored.	Action plan to be agreed; review quarterly	Top Management / QHSE / IT / HODs	Improvement register, online reporting records and KPI trend analysis.
22	Energy efficiency measures shall continue, including switching off unused lighting/equipment, using energy-efficient lighting, maintaining AC filters and setting reasonable cooling temperatures in	Ongoing; quarterly review	Administration / Facilities / All Staff	Utility records, facility inspections and awareness communications.

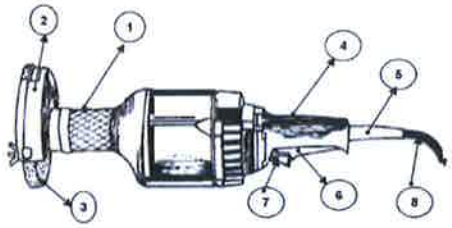
	accordance with workplace needs. Consumption shall be monitored where data is available.			
23	Management confirmed that IMS documentation and implementation shall be maintained for client and third-party audits. Audit readiness shall include current approved documents, legal register, KPI reports, training and equipment records, risk assessments, inspection evidence and closure of previous findings.	Continuous; before each audit	QHSE-MR / HODs / Project Managers	Document register, audit readiness checklist and evidence files.

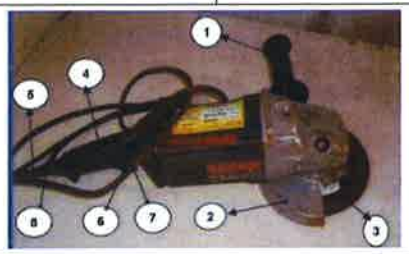
Prepared by: QHSE / IMS Representative	**Reviewed and Approved by: Project Manager**
Name / Signature / Date: 16/08/2026 Ravinder Singh Jaswal 	Name / Signature / Date:16/08/2026 Tariq Badran 


AED
Automated External Defibrillator
HEART GUARDIAN
RADIAN QBIO
16 December 2025 at 08:40
Ravinder S J

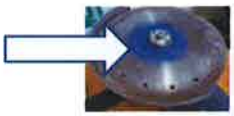
FALCON Middle East	ANGLE GRINDER INSPECTION REPORT	Doc. Ref. No. FALCON-PRO-37-FRM 01
		Effective Date: 01 April 2021
		Rev. No.: 05
		Page 1 of 1

Project Name:	D111661E(LTRA)	Site No:	SE38-P2 DC5109196
Date:	10/10/2026	Inspected Location:	Mussaffah.
Time:	07:00 hrs.	Company/Contractor	FME







SL. No	Check Item	Photo	Y / N	SL. No	Check Item	Photo	Y / N
01	Fore handle without damage		Y	02	Wheel guard (covering 3/4th area).		Y
03	Grinding wheel (disc) without any crack.		Y	04	Rear handle without any damage		Y
05	Presence of cord strain reliever (glands).		Y	06	Trigger switch without damage.		Y
07	Presence of switch loack.		Y	08	Electric wire without cuts and joints		Y

	NAME	SIGNATURE	DATE
Logistic/store Issued By	Mohd. Gabola		10/10/26
Verified By Area HSE Officer	Ravinder Singh.		10/10/26

CERTIFICATE

Portable Appliance Test
IET Code of Practice for In-Service Inspection & Testing of Electrical Equipment (5th Edition)

CERTIFICATE NO.: LA202610449523
JOB NO: PAT-732

OWNER: **Falcon Middle East General Contracting**	
Location: **Abu Dhabi, UAE**	
Description of Equipment	**Demolition Hammer**
Make	Greatec
Model	GTDH30002
Serial Number	DH-01
Class (I/II)	Class II
Supply (Voltage)	220-240 V
Rating (Watts or A)	3000 W
Date Of Mfg.	N/A

IS THIS EQUIPMENT SAFE TO USE?	**Y**	✓	**N**	

Date Of Test	Next Date Of Test	Date Of Issue Of Certificate	Date Of Last Inspection	Previous Inspection Done By
28.10.2026	27.10.2027	29.10.2026	N/A	N/A

We hereby certify that the above particulars are correct at that time of inspection/ test (see date of issue, below). Daily inspection & operational maintenance are the sole responsibility of the user(s).
The validity of this report is 12 months & may consider void in case of any modification or repairs have taken place, including any overloading or other misuse.
Original Certificate/Report must be checked. We hereby report that all the particulars in this certificate are correct at the time of inspection. Daily inspection & maintenance is the sole responsibility of the users. **This Certificate shall not be reproduced except in full without the approval World Wide Inspection & the Client**
*This certificate is valid only if signed and stamped

Inspected By
M.Noman
Inspection Engineer

WORLD WIDE INSPECTION & CALIBRATION SERVICES
Abu Dhabi - U.A.E.
INSPECTION DEPARTMENT

Approved By
Bilal Tahir
Assist. Technical Manager

P.O. Box: 107344, Mussafah, Abu Dhabi, U.A.E.
Tel.: +971 2 556 1346, Fax : +971 2 556 1233,
E-mail: info@worldwideics.ae, Website : www.worldwideics.ae
ص.ب: ١٠٧٣٤٤، مصفح، أبوظبي، أ.ع.م.
تلفون: ١٣٤٦ ٥٥٦ ٢ ٩٧١+ ، فاكس : ١٢٣٣ ٥٥٦٢ ٩٧١+
بريد الكتروني: info@worldwideics.ae موقع الانترنت: www.worldwideics.ae

NAME OF CONTRACTOR:	Falcon Middle East Contracting and General Maintenance LLC	**DATE:**	14-May-26
NAME OF CONSULTANT:	N/A	**CONTRACT #:**	D-111661/E
TITLE OF CONTRACT:	LTRA for Supply & installation of Underground Cable, Electrical Equipment, OHL & allied Works in Abu Dhabi and Eastern Region	**AUDIT REFERENCE No.**	**CA-SH-May01**
AUDIT LOCATION:	Falcon Site Office - Mahawi	**Note:**	
LEAD AUDITOR:	Sundeep Haridas		
AUDIT MEMBERS:			

S.N.	DOCUMENTS REQUIREMENTS	SCORE RATING	STATUS	DESCRIPTION & OBJECTIVE	REMARKS
1	**OSHAD S.F. Element, Clause No. ISO 14001:2015 & ISO 45001:2018**				
1.1	5.2 Company HSE Policy	4	C		
1.2	5.3 Roles, Responsibilities & Authorities	4	C		
1.3	5.4 Consultation and Participation of workers	4	C		
1.4	6.1.2 Hazard Identification and Risk Assessment	2	Minor NCR	Project Risk registry to be maintained	
1.5	6.1.3 Legal and other requirements (Compliance obligations)	4	C		
1.6	6.2 Planning, Objectives and Programs	3	OFI	SMART T&O not set for the project	
1.7	7.2 Competence	4	C		
1.8	7.3 Awareness	4	C		
1.9	7.4 Communication	4	C		
1.10	7.5 Documentation	4	C		
1.11	8.1.2 Hazard Elimination and reducing OH&S risks	2	Minor NCR	Project Risk registry to be maintained	
1.12	8.2 Emergency preparedness and response	2	Minor NCR		
1.13	9.1 Monitoring, measurement, analysis & evaluation	3	OFI		
1.14	9.2 Internal Audit	4	C		
1.15	9.3 Management Review	2	Minor NCR		
1.16	10.2 Incident Investigation, Non-conformances, Corrective Action and Prevent Action	3	OFI	No NM reported to TQD	
1.17	Step 2, Onboarding & Premobilization requirements fulfilled	3	OFI		
	Total	**56**			
2	**HSE MANAGEMENT**				
2.10	Health, Safety and Environmental Policy) & displayed at prominent locations	4	C		
2.20	Approved Project HSE plan status. Along with communication	1	Major NCR		
2.30	Contractor obtains the necessary NOC/ permits before site set up/establishment from relevant authority.	4	C		
2.40	Local office valid ISO 9001, 14001, 45001 and ADPHC (OSHAD) certification.	2	Minor NCR		
2.50	TAQA' s 12 Essential Safety Rules, TAQA/ AADC HSE guideline/requirements. Site Safety Induction & TBT & LMRA Status records for all employees and visitors available at site?	4	C		
2.60	Monthly EHS statistics prepared	4	C		
2.70	Implementation of CSM /induction record /KPIS	3	OFI		
2.80	ISO certificates, approved vendor list, company registration. Contractor between the main contractor subcontractor HSE requirements included and approved?	4	C		
2.90	Legal register and other regulation requirements included?	2	Minor NCR		
2.10	HSE audit conducted as per approved HSE plan by certified auditors.	4	C		
2.11	HSE Committee minute of meeting, insp. closes out records / tracking log.	3	OFI		
2.12	MOM of progress review meeting with Client/Consultant available and actions	3	OFI		
2.13	Site Offices, Elect. Installation, fire alarm and firefighting system as per UAE fire and life safety code / civil defense requirements. Availability of Civil Defense Approval certificates?	2	Minor NCR	No approlval for site office	
2.14	Contractor conducted HSE inspection / Senior Management HSE walk-about report.	3	OFI		
2.15	Client complaints / site instructions recorded with log and corrective actions attended on time	4	C		
2.16	Near miss & Incident investigation reports / records.	3	OFI	No NM reported to TQD	
2.17	Monthly performance reports, and HSE Occurrence Register.	4	C		
2.18	Approved HSE officer available at site and approval copy is available at the site?	5	C		
2.19	Organization chart and responsibilities/Job description of key staff	4	C		
2.20	Project risk assessment and mitigation plans prepared and updated regularly	2	Minor NCR		
2.21	Internal audit plan prepared and approved; audits conducted as per plan & updated	4	C		
2.22	Audit reports available, circulated for necessary action	3	OFI		
2.23	Corrective actions for previous audit NCRs closed out. If still pending adequate justification given	3	OFI		
2.24	Training calendar prepared, approved, updated with training conducted. Training Matrix, Training Records/certificates (confined space, work at height, scaffolders, fire fighter, welders, etc.	2	Minor NCR		
2.25	In-house training will be accepted only if the contractor trainer has a train the trainer competency certificate and the training materials /assessment is approved	2	Minor NCR		
2.26	Internal competency assessment records for Skilled Manpower.	4	C		
	Total	**83**			
3	**Risk Assessments**				
3.1	Electrical Safety as per CoP 15.0 Electrical Safety: DBs with RCD/ELCB 30mA provided, inspection records by the competent electrical person, key contact details with electrician photo.	2	Minor NCR		
3.2	Color Coding and inspection Tag for power tools, hand tools/lifting gears, ladders, full body harnesses, electrical DBs, etc.	3	OFI		
3.3	Plants and equipment's valid test certificates from AAM approved third party.	2	Minor NCR		
3.4	Pre-use inspection for plant, equipment / Daily / weekly inspection & maintenance record from a third party?	2	Minor NCR		
3.5	Personal Protective Equipment inspection records / certificate e.g., Full body safety harness, etc.	4	C		
3.6	Workshop Safety: Designated area, (LEV), Push stick with Emergency stop switch and an authorized person to operate & mandatory HSE signs.	N/A	N/A		
3.7	Traffic Management: Traffic route, arrangements for the segregation of pedestrians and vehicles.	N/A	N/A		
3.8	EHS objectives are set, approved and progress monitored regularly	3	OFI		
3.9	Cable project site personal competency assessment conducted	3	OFI		
3.10	A trained and certified person operates power tools	4	C		
3.11	Management review meeting conducted, minutes of meeting prepared, distributed to attendees and Country Management Representative, if applicable	3	OFI		
3.12	MRM agenda covers all points as per procedure, decisions minute clearly with action by and date.	3	OFI		
3.13	Activity wise RISK assessment prepared, issued for implementation	4	C		
3.14	Risk assessment is prepared, reviewed by the technical team, not by the only HSE officer, and approved by the project manager.	3	OFI		
3.15	Risk Register on occupational health and safety hazard, medical emergency	2	Minor NCR		
3.16	Communication on risk assessment to site workers / staff.	2	Minor NCR		
3.17	Method Statement and Risk Assessments as per guideline.	4	C		
3.18	Emergency preparedness procedure prepared, mock drill conducted and response time tested	4	C		
3.19	Fire extinguishers inspection record and designated fire resistance /retardant smoking areas.	4	C		
3.20	Incident report prepared (if any)	N/A	N/A		
3.21	Specific training provided for chemicals handling?	N/A	N/A		
3.22	Specific PPE (Respirators, gloves etc.) for handling of chemical ?	N/A	N/A		
3.23	Gas cylinders storage as per SDS with suitable and sufficient warning signs.	N/A	N/A		
3.24	Fire risk assessment for storage of materials.	N/A	N/A		
	Total	**52**			

NAME OF CONTRACTOR:	Falcon Middle East Contracting and General Maintenance LLC	**DATE:**	14-May-26
NAME OF CONSULTANT:	N/A	**CONTRACT #:**	D-111661/E
TITLE OF CONTRACT:	LTRA for Supply & installation of Underground Cable, Electrical Equipment, OHL & allied Works in Abu Dhabi and Eastern Region	**AUDIT REFERENCE No.**	**CA-SH-May01**
AUDIT LOCATION:	Falcon Site Office - Mahawi	**Note:**	
LEAD AUDITOR:	Sundeep Haridas		
AUDIT MEMBERS:			

S.N.	DOCUMENTS REQUIREMENTS	SCORE RATING	STATUS	DESCRIPTION & OBJECTIVE	REMARKS
4	**SD & Permit to work**				
4.1	Permit to work records and tracking register for site activities as per requirements.	4	C		
4.2	Safety documents. (SD)	4	C		
4.3	Excavation Permit	4	C		
4.4	Lifting Permit	N/A	N/A		
4.5	Work at height Permit	N/A	N/A		
4.6	Confined Space Entry Permit (Competency certificates, Toxic Gas Monitoring Records)	N/A	N/A		
4.7	Hot Work Permit	N/A	N/A		
4.8	Other permit, if applicable	4	C		
	Total	**16**			
5	**First Aid**				
5.1	First aid room available	N/A	N/A	LTRA project	
5.2	First aid medicines maintained	4	C		
5.3	Emergency contact numbers, EHS promotional posters displayed	4	C		
5.4	Emergency Response Plan, Emergency Contact Details & Emergency Mock Drill reports / Records. (Provision of suitable resources equipment's facility, sirens at site)	4	C		
5.5	Emergency Rescue kit and Fall Arrest System Arrangements for the Tower Crane / OHL activity.	4	C		
5.6	Health surveillance, medical checkup record, medical fitness certificate availability?	4	C		
5.7	Provision of Automated External Defibrillators (AED)	3	OFI		
5.8	First aid facility as per requirements inspection records and first aid log / register.	N/A	N/A		
5.9	First aider certificates from accreditation body	4	C		
5.10	Provision of welfare facility at site considering peak manpower. Availability of inspection record.	4	C		
5.11	Heat stress Mid-day break arrangement, Heat stress management plan, TWL monitoring record.	4	C		
5.12	Provision of fire-retardant Rest area with AC (Considering Summer mid-day break)	4	C		
5.13	Provision of water thermos /cooled drinking water, ice, etc.	4	C		
5.14	Food storage Arrangements for workers.	4	C		
5.15	Provision of adequate hand wash facility with required toiletries.	4	C		
5.16	Drinking water testing / analysis report available? Ref. Specification: Department of Energy, water quality regulations 2021.	4	C		
5.17	Entry and Exist monitoring, In/ out log /register maintained at main gate	N/A	N/A		
5.18	Trained Security arrangements, No lone working during night shift - Security cabin (AC).	N/A	N/A		
5.19	Site fencing/barriers provide and no trespassing allowed.	N/A	N/A		
5.20	CCTV monitoring provided if applicable.	N/A	N/A		
5.21	Visitor induction provided at site	4	C		
	Total	**59**			
6	**Environmental**				
6.1	EIA study conducted, Env. Aspects and Impacts assessment register (ISO 14001), CEMP plan available.	N/A	N/A		
6.2	Environmental requirements are addressed in the design and development process for the product or service, considering each life cycle stage;/perspective.	N/A	N/A		
6.3	Circular Economy - Waste minimization, re-use, recycling, resource consumption strategy followed on site.	N/A	N/A		
6.4	Noise, Lux level monitoring record and availability of calibration certificate.	N/A	N/A		
6.5	Environmental awareness training/TBT provided to all site workforces. Any Green workplace initiative?	N/A	N/A		
6.6	Fuel/chemicals stored in bunded areas, spill kit provided?	N/A	N/A		
6.7	Site diesel generators Flue Gas emission monitoring test conducted/certificate available with site GPS coordinates.	N/A	N/A		
6.8	Monitoring of water, electricity, fuel and paper consumption on site.	N/A	N/A		
6.9	Environmental Emergency mock drill conducted for Oil, chemical spillage etc.?	N/A	N/A		
6.10	Correct no. of waste skips available e.g., General, Concrete, Hazardous waste, etc.	N/A	N/A		
6.11	Food waste bin in place with lids firmly closed.	N/A	N/A		
6.12	Waste manifest records for regular disposal of waste by an approved company.	N/A	N/A		
6.13	Chemical storage in fire resistance container with suitable ventilation as per SDS requirements,	N/A	N/A		
6.14	COSHH assessment conducted as per SDS for chemical using on site?	N/A	N/A		
	Total	**0**			
7	**Excavation Safety**				
7.1	Excavation Safety as per CoP 29.0 - Excavation proper benching, sloping, access and egress.	4	C		
7.2	Are holes, trenches, and cuts over 1.5 meter deep shored, sloped or trench boxes used?	4	C		
7.3	Spoil banks at least 1 meter away from edges of cut?	4	C		
7.4	Excavation barricaded, safety signage and lighting provided?	4	C		
7.5	Have underground utility installations been identified?	4	C		
7.6	Road crossing NDRC safety requirements and environmental concerns, if applicable.	4	C		
	Total	**24**			
8	**Plant and Equipment & Heavy Equipment**				
8.1	Maintained (manufacturers specifications)	3	OFI		
8.2	Certifications / Registers available	3	OFI		
8.3	Training and Competencies	3	OFI		
8.4	Does the Contractor utilize SPECIAL CONSTRUCTION EQUIPMENT such as cranes,Hipup, loader etc.?	3	OFI		
8.5	Are they fit for purpose and in good condition?	3	OFI		
8.6	Inspection program?	3	OFI		
	Total	**18**			

NAME OF CONTRACTOR:	Falcon Middle East Contracting and General Maintenance LLC	**DATE:**	14-May-26
NAME OF CONSULTANT:	N/A	**CONTRACT #:**	D-111661/E
TITLE OF CONTRACT:	LTRA for Supply & installation of Underground Cable, Electrical Equipment, OHL & allied Works in Abu Dhabi and Eastern Region	**AUDIT REFERENCE No.**	**CA-SH-May01**
AUDIT LOCATION:	Falcon Site Office - Mahawi	**Note:**	
LEAD AUDITOR:	Sundeep Haridas		
AUDIT MEMBERS:			

S.N.	DOCUMENTS REQUIREMENTS	SCORE RATING	STATUS	DESCRIPTION & OBJECTIVE	REMARKS
9	**Housing conditions**				
9.1	Is the quality of FOOD and WATER supplied satisfactory?	**4**	**C**		
9.2	Are kitchens, toilets, and mess room clean? Personnel clean?	**3**	**OFI**		
9.3	Is the accommodation CAMP well equipped with proper safety features?	**3**	**OFI**		
9.4	Are inspections and follow-up efficient?	**3**	**OFI**		
	Total	**13**			
10	**Appropriate Welfare Facilities**				
10.1	General	**4**	**C**		
10.2	Eating	**4**	**C**		
10.3	Washing / Toilets	**4**	**C**		
10.4	Lighting	**4**	**C**		
10.5	Waste (Registered ESP)	**4**	**C**		
10.6	Sleeping (if applicable)	**N/A**	**N/A**		
10.7	Water bottles, ice distribution?	**4**	**C**		
	Total	**24**			
11	**Hazardous Materials Storage**				
11.1	Appropriate Size and Design	**N/A**	**N/A**		
11.2	Appropriate Bunding	**N/A**	**N/A**		
11.3	Separation / Segregation of Materials	**N/A**	**N/A**		
11.4	Safety Signage	**N/A**	**N/A**		
11.5	Current SDS for Each Material	**N/A**	**N/A**		
11.6	Disposal Methods (Registered ESP)	**N/A**	**N/A**		
	Total	**0**			
12	**Housekeeping**				
12.1	General Site / Building Conditions	**4**	**C**		
12.2	Waste Containers	**4**	**C**		
12.3	Flooring	**4**	**C**		
	Total	**12**			
13	**Site Security**				
13.1	Appropriate Perimeter Fence	**N/A**	**N/A**		
13.2	Security Guard	**N/A**	**N/A**		
13.3	Visitor Sign-in Procedure	**N/A**	**N/A**		
13.4	Traffic Management and Parking	**N/A**	**N/A**		
13.5	Access Control	**N/A**	**N/A**		
	Total	**0**			
14	**Safety Signage in Place**				
14.1	PPE Requirements	**4**	**C**		
14.2	Hazardous Areas	**4**	**C**		
14.3	Restricted Areas	**4**	**C**		
14.4	Provision of Project Sign, Mandatory PPE, HSE statistics sign board and assembly point at main entrance.	**4**	**C**		
	Total	**16**			
15	**Power Tools**				
15.1	Portable Appliance Test (PAT) record as per ADPHC CoP 35.	**2**	**Minor NCR**	PAT testing certificate not available	
15.2	Use of 110v Tools using step down transformer?	**2**	**Minor NCR**		
	Total	**4**			
16	**Lifting Activity**				
16.1	Lifting plan approved by certified Lifting Appointed persons (Min experience 5 years)	**N/A**	**N/A**		
16.2	Crane more than 20 years NDT test report / certificate available?	**N/A**	**N/A**		
16.3	SWL Reduced by 25%?	**N/A**	**N/A**		
16.4	SWL is clearly marked on lifting equipment?	**N/A**	**N/A**		
16.5	Safe Load Indicator (SWL) calibrated?	**N/A**	**N/A**		
16.6	Crane fitted with anemometer?	**N/A**	**N/A**		
	Total	**0**			

SITE HSE INSPECTION CHECKLIST

FALCON Middle East

Project / Contract:	D111661E	**Inspection Date:**	20/10/26
Area / Site:	Z27-195, DC 5323789	**HSE Name:**	Ravinder Singh Jaswal

1. LIVE ROAD WORK

No.	Inspection Check	YES	NO	N/A
1	ITC work permit available and valid?	☐	☐	☑
2	Traffic management plan, signs, cones and barriers in place?	☐	☐	☑
3	Safe buffer zone and pedestrian/vehicle segregation maintained?	☐	☐	☑
4	Access controlled and drivers following site/road speed limits?	☐	☐	☑

2. HOUSEKEEPING

No.	Inspection Check	YES	NO	N/A
1	Waste removed regularly and bins provided?	☐	☐	☑
2	Walkways clear and adequately lit?	☑	☐	☐
3	Materials stacked safely and neatly?	☑	☐	☐

3. PPE

No.	Inspection Check	YES	NO	N/A
1	Required PPE worn correctly, including task-specific PPE?	☑	☐	☐
2	Eye, hearing and hand protection used where required?	☑	☐	☐

4. EXCAVATION / TRENCHING

No.	Inspection Check	YES	NO	N/A
1	NOCs, permits and underground services identified?	☑	☐	☐
2	Excavation protected by suitable sloping, shoring or trench box?	☐	☐	☑
3	Spoil/material kept away from edges?	☑	☐	☐
4	Safe access/egress provided; ladders secured and extended above landing?	☑	☐	☐

5. ELECTRICAL SAFETY

No.	Inspection Check	YES	NO	N/A
1	Electrical equipment inspected, maintained and properly grounded/double-insulated?	☑	☐	☐
2	Electrical work carried out by competent personnel and danger signs displayed?	☑	☐	☐

6. LMRA

No.	Inspection Check	YES	NO	N/A
1	LMRA discussed, understood and signed by the work group?	☑	☐	☐

7. WORK AT HEIGHT

No.	Inspection Check	YES	NO	N/A
1	Safe access, secured/tagged scaffold and suitable platforms provided?	☑	☐	☐
2	Fall protection used correctly and area below barricaded?	☑	☐	☐

8. PERMIT TO WORK (PTW)

No.	Inspection Check	YES	NO	N/A
1	Permit correctly completed, approved and available at site?	☑	☐	☐
2	Supervisor monitoring work; MSRA, LMRA and required attachments available?	☑	☐	☐

9. LIFTING & RIGGING

No.	Inspection Check	YES	NO	N/A
1	Lifting plan/permit and certified personnel available as required?	☑	☐	☐
2	Lifting gear inspected, in date and suitable for use?	☑	☐	☐
3	Exclusion zone in place; tag lines and designated banksman used where required?	☑	☐	☐

10. WELFARE & FIRST AID

No.	Inspection Check	YES	NO	N/A
1	Rest shelter and break area clean and suitable?	☑	☐	☐
2	Drinking water available and clearly labelled?	☑	☐	☐
3	First-aid kit stocked and first aider available?	☑	☐	☐

11. PLANT & EQUIPMENT

No.	Inspection Check	YES	NO	N/A
1	Only authorized operators using inspected and maintained equipment?	☑	☐	☐
2	Daily checklist completed and operator visibility unobstructed?	☑	☐	☐
3	Banksman provided for reversing/movements where required?	☑	☐	☐

12. CONFINED SPACE

No.	Inspection Check	YES	NO	N/A
1	Permit, gas testing and trained personnel confirmed before entry?	☐	☐	☑
2	Standby person, rescue equipment and entry/exit log in place as required?	☐	☐	☑

13. FIRE & EMERGENCY

No.	Inspection Check	YES	NO	N/A
1	Suitable fire extinguishers available, inspected and accessible?	☑	☐	☐
2	Emergency routes, plan, contact details and fire watch arrangements in place?	☑	☐	☐

14. ENVIRONMENT

No.	Inspection Check	YES	NO	N/A
1	Noise, temperature, lighting and adverse-weather controls adequate?	☐	☐	☑
2	Waste managed; fuel/COSHH storage and spill controls suitable?	☐	☐	☑
3	Tanks bonded/grounded where required and cylinders secured upright?	☐	☐	☑

15. POWER & HAND TOOLS

No.	Inspection Check	YES	NO	N/A
1	Tools inspected, maintained, guarded and suitable for the task?	☐	☐	☑
2	Damaged tools removed from service; cords inspected and operators competent?	☐	☐	☑

16. MATERIAL HANDLING & STORAGE

No.	Inspection Check	YES	NO	N/A
1	Materials, racks and shelves safely stacked and load-rated?	☐	☐	☑
2	Passage ways clear; manual handling and weather protection controls adequate?	☐	☐	☑
3	Competent person overseeing storage and handling?	☐	☐	☑

FINDINGS / CORRECTIVE ACTIONS

No.	Finding	Action Required	Responsible Person	Target Date
1	Close monitoring & Supervision Required at site		Competent Person / Supervisor.	Always.
2				
3				

HSE: Ravinder Singh Signature: RS Date: 20/10/26

شركة أبوظبي للتوزيع
Abu Dhabi Distribution Co.

Abu Dhabi Distribution Company (ADDC)

Contract No: D-111661/E - LTRA for Connection and Maintenance Works in CR & ER

Minutes of Meeting

Client:	Abu Dhabi Distribution Company (ADDC)
Subject:	Kick-off Meeting.
Place of Meeting:	Online meeting through MS Teams
Date of Meeting:	31th May 2024
Consultant:	N/A
Contractor:	M/s. Falcon Middle East Contracting & General Maintenance

Distribution list: All Participants

- ADDC (Client)
- Falcon Middle East Contracting & General Maintenance. (Contractor)

Participants:

Sr No	Name	Company	Email ID
1.	Adhinath Indrakumar	ADDC	
2.	Jerome Cubelo Giron	ADDC	
3.	Mubarak Obaid Al Mansori	ADDC	
4.	Suhaib Sami Alkhraisat	ADDC	
5.	Ehab Abdul Majid Najjar	ADDC	
6.	Omar Salem Al Ameri	ADDC	
7.			
8.			
9.			
10.			
11.			
12.			

شركة ابوظبي للتوزيع Abu Dhabi Distribution Co. AI CONT. OFFICER

FALCON Abu Dhabi - U.A.E. Cont. & Gen. Maint. L.L.C.

شركة أبوظبي للتوزيع
Abu Dhabi Distribution Co.

Abu Dhabi Distribution Company (ADDC)

Contract No: D-111661/E - LTRA for Connection and Maintenance Works in CR & ER

Minutes of Meeting

Sr No	Name	Company	Email ID
1.	Adhinath Indrakumar	ADDC	
13.	Mr. Mohammed Al Shaer	Falcon	m.alshaer@falconme.ae
14.	Mr. Tareq Badran	Falcon	tareq.badran@falconme.ae
15.	Mr. Hazem Nafi	Falcon	Hazem.Nafi@falconme.ae
16.	Mr. Saddaam Masood	Falcon	

No.	Item	Action by & Date
1.	Introduction Project D-111661/E Kick-off meeting has been conducted to discuss the project scope of work and project requirements. ADDC Contract section engineer welcomed everyone to the meeting.	INFO
2.	ADDC welcomed everyone to the meeting and congratulated Falcon on the award of the contract.	INFO
3.	ADDC briefed the following project essential points. a) Contract Number is D-111661/E b) Contract Details - - LTRA for Connection and Maintenance Works in CR & ER c) Contract price - AED 15,005,049 (Without VAT) d) Contractor is M/s. Falcon Middle East Contracting e) Effective start date of the project from the date of the Site Handing Over date. f) Contract duration is 36 months plus 12 month warranty period g) Warranty duration is 12 months. Preparation of Contract Documents Finalization of the contract agreement as per the document clause no. 7 specified in the contract submittal points The contractor is requested to submit the required contract documents within 15 days to finalize the contract agreement. Which should have insurance policy, performance bank guarantees, etc., shall be submitted to the ADDC Project Engineer.	INFO

No.	Item	Action by & Date
4.	ADDC explain the project scope. LTRA	INFO
5.	ADDC informed to be submit the following documents with priority: a) HSE Plan. b) Quality Plan c) Material submission for required materials d) Methods for statements shall be submitted in advance. e) Project organization chart to be submitted. f) All kinds of permit applications shall be submitted at least two weeks in advance. g) All submissions shall be submitted to ADDC h) system after obtaining the project HSE plan approval. i) Project HSE plan approval for submitting applications in Maximo.	FALCON

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Abu Dhabi Distribution Co.
AI
CONT. OFFICER

FALCON
Abu Dhabi - U.A.E.
Falcon Middle East Cont. & Gen. Maint. L.L.C.

Minutes of Meeting

No.	Item	Action by & Date
6.	Contractor cannot start the site work without completing the below mentioned two project HSE requirements. 1. Pre Mobilization file a) Contractor should provide an HSE file in Maximo. HSE file should contain a copy of the HSE plan, medical certificates, safety instructions, emergency contact numbers, equipment, mobile equipment, training certificates, competency certificates, equipment details, etc. b) The HSE file shall be kept in the MAXIMO under the respective contractor number by the ADDC project engineer. c) The HSE File to be updated if there are any changes or updates to the documents. 2. Induction training Intentional training should be given to the key personnel before the work starts. The following points are to be covered in the instruction training, such as TAQA/ADDC HSE policies and procedures, TAQA 12 essential rules, main hazards related to the works, PPE requirements, permit requirements, emergency procedures, etc. ADDC will provide the TAQA procedure details to the contractor. Based on the inputs, the contractor to be prepared a PowerPoint presentation and submit it to the consultant for review as per requirements, consultant shall submit it to ADDC for validation of the presentation. Further contractors can conduct the training. ADDC will provide the special format and it shall be signed by all the training attendees. The copy of it should be saved in the respective project folder in the Maximo.ADDC HSE will provide all the required formats.	FALCON
7.	HSE Requirements. a) The HSE plan shall be submitted within two weeks. b) A dedicated HSE officer will be nominated for the project. c) All the activities going to be executed shall be supervised by an approved competent person. d) A monthly HSE report shall be submitted to the ADDC project engineer. e) Also, COVID preconditions, HSE considerations, and it should be relevant to Abudhabi public health requirements f) A stress awareness program shall be planned by the contractor along with the consultant.	FALCON

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No.	Item	Action by & Date
	g) TAQA 12 essential rules are to be considered, distributed to all the project staff, and accordingly implemented. During toolbox talks, safety moments and the normal meeting of these rules can be discussed. h) All near-misses shall be reported by the contractor and consultant	
8.	Focal points of the project. ADDC: Eng. Mustafa Riyad Hussain Falcon : Eng. Saddam Masood	
9.		
10.		
11.		
12.		
13.		
8.		INFO

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شركة أبوظبي للتوزيع
Abu Dhabi Distribution Co.

Abu Dhabi Distribution Company (ADDC)

Contract No: D-111661/E - LTRA for Connection and Maintenance Works in CR & ER

Minutes of Meeting

Approved:

_____	_____
ADDC	**Falcon**

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Abu Dhabi Distribution Co.
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Abu Dhabi - U.A.E.
Falcon Middle East Cont. & Gen. Main L.L.C

LABOUR CAMP INSPECTION CHECKLIST

Company :	Falcon Middle East Contracting and General Maintenance	**Camp name / location:**	Al Jaber Building, Mussafah M20
Inspection date / time:	21-08-2026	**Designation:**	HSE Engineer

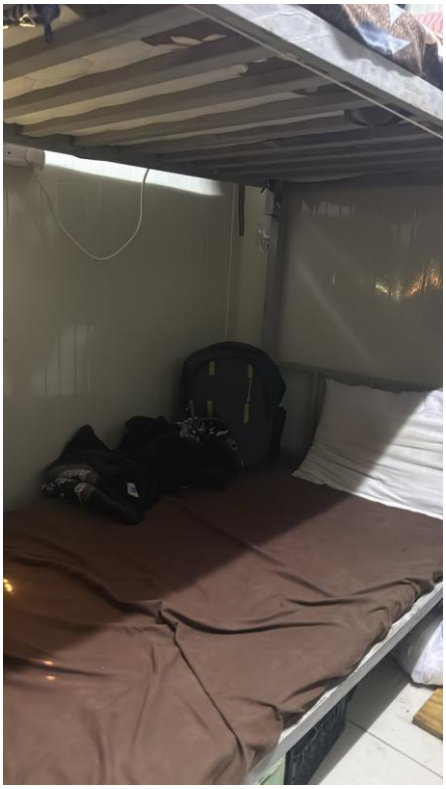
1. INSPECTION — BRIEF CHECKLIST

No.	Inspection point / requirement	Yes	No	N/A	Comments / corrective action
1	Valid accommodation license and required camp records are available.	✓			
2	Occupancy is within approved capacity; every resident has a suitable bed and personal storage.	✓			
3	Bedrooms are clean, ventilated, air-conditioned and adequately lit; no overcrowding or blocked access.	✓			
4	Fire alarm, extinguishers, hose reels / firefighting equipment are available and accessible.	✓			
5	Emergency exits, corridors, stairways and assembly routes are clear; exit signs are visible.	✓			
6	Electrical panels are closed and accessible; no exposed wiring, overloaded sockets or unsafe temporary connections.	✓			
7	Drinking water is safe and available; water tanks / dispensers are clean and maintained.	✓			Need to change the water filter with the checklist
8	Toilets, showers and washbasins are sufficient, functional, clean and supplied with water and hygiene items.	✓			
9	Kitchen and dining areas are hygienic; food is stored safely and pest control is effective.	✓			More cleaning required in kitchen area
10	Waste bins are covered, not overflowing, and waste is removed regularly.	✓			
11	Air-conditioning, ventilation and bathroom exhaust systems work properly; no visible mould or sewage odour.	✓			
12	First-aid supplies / medical arrangements and emergency contact numbers are available.	✓			

No.	Inspection point / requirement	Yes	No	N/A	Comments / corrective action
13	Laundry, prayer and recreation facilities (where applicable) are clean and safely maintained.	✓			
14	Pest-control, cleaning, water-tank cleaning and fire-system maintenance records are current.	✓			
15	Workers can report complaints confidentially; corrective actions from previous inspections are closed.	✓			












GENERAL
21 August 2026 at 08:48
Ravinder S J


21 August 2026 at 08:47
Ravinder S J


21 August 2026 at 08:50
Ravinder S J


20
Comfort




نقطة تجمع
ASSEMBLY POINT
CARBON DIOXIDE
21 August 2026 at 08:42
Ravinder S J


0507891586


21 August 2026 at 08:45
Ravinder S J




21 August 2026 at 08:46
Ravinder S J


D-1
D-2
D-3
21 August 2026 at 08:50
Ravinder S J


نقطة تجمع
ASSEMBLY POINT
21 August 2026 at 08:42
Ravinder S J

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21 August 2026 at 08:46
Ravinder S J


21 August 2026 at 08:45
Ravinder S J

Laws /Regulations/Standard-Title/Issue Date		***Federal Law No. 8 of 1980, UAE Labor Law amended by Law No. 24 of 1981, Law No.15 of 1985 and Law No. 12 of 1986***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Chapter 5, Article 91	Provision of safe working condition, provision of personnel prevention equipment and safe training procedures for all the employees.	All areas in facility including work areas offices, etc.	Training records, PPE issue records, safe working areas, emergency response plan, approval from civil defense	-
Chapter 5, Article 92	Emergency response plan due to fire in facility.	All areas in facility	Approval from civil defense on firefighting systems, emergency response plan instructions / banners / handouts	-
Chapter 5, Article 93	Provision of first aid boxes	All areas in facility	Installation of first aid boxes	1 at least for 100 people
Chapter 5, Article 94	Good housekeeping and provision of lightning, drinking water and toilet facilities for all the workers in the work area.	Office buildings, work areas, rest areas	Building permit, provision of required facilities	Contractors will be allowed to share company rest areas, water, etc. New office building to consider all requirements.
Chapter 5, Article 95	Conducting periodic medical checkup for occupational disease and reporting of the results.	All Personnel directly working for FME	Periodic medical records as per labor clearance requirements	

Laws /Regulations/Standard-Title/Issue Date		***Federal Law No. 8 of 1980, UAE Labor Law amended by Law No. 24 of 1981, Law No.15 of 1985 and Law No. 12 of 1986***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Chapter 5, Article 96	Provision of medical care facilities.	All Personnel directly working for FME	Records of medical insurance provided for all personnel	-
Chapter 5, Article 98	Introduction to plant hazards for all employees	New personnel to plant	Induction training records, HSE training records	-
Chapter 5, Article 99	Ban on alcohol consumption	All personnel working in facility	Security check records, restricted item display board	Security provided with room
Chapter 5, Article 100	Enforcement on employers by FME to follow safety instructions	All personnel working in facility	Induction training records	Enforcement should be part of their audit procedures
Chapter 8, Article 142	Reporting of work related injuries and occupational diseases	For all work related injuries/ occupational disease	Records of reporting. Records of medical checks confirming occupational disease, police report	Contractor to inform FME OHS Head about injuries /occupational diseases to their personnel in site.
Chapter 8, Article 144	Provision of medical treatment to injured person	Work related injuries / occupational disease to all the personnel	Records of expenses made for treatment including transport provision	Contractor personnel will be taken care by contractor company as per contracts
Chapter 8, Article 145	Payment of allowance during treatment of injury	Work related injuries / occupational disease to all the personnel	Records of allowance paid to injured person during treatment	

Laws /Regulations/Standard-Title/Issue Date		***Federal Law No. 8 of 1980, UAE Labor Law amended by Law No. 24 of 1981, Law No.15 of 1985 and Law No. 12 of 1986***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Chapter 8, Article 146	Calculation of allowance payment during treatment of injury	Work related injuries / occupational disease to all the personnel	Records of allowance paid along with calculations (as per requirement) to injured person during treatment	
Chapter 8, Article 149	Compensation to death victims due to work related injuries	Death of personnel due to work related injuries	Records of compensation paid	-
Chapter 8, Article 150	Compensation to partially disabled personnel due to work related injury	Partial disability due to work injury	Records of compensation paid	-
Chapter 8, Article 151	Compensation to permanently totally disabled personnel due to work related injury	Permanent total disability due to work injury	Records of compensation paid	-

Laws /Regulations/Standard-Title/Issue Date		***Federal Law No. 32 of 1982, Determination of retentive methods and measures for the protection of workers from risks at work***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Article 1	Provision of PPE, training about fires, instruction about safety etc.	Overall Facility	PPE records, training records	Contractor briefing will be provided by FME along with OHS requirements
Article 2	Provision of safety signs in Arabic and other languages	Overall Facility	Posting of safety signs wherever required	-
Article 3	Provision of training on facility hazards, occupational diseases	All personnel working in the Facility	OHS induction training records	Contractor briefing will be provided by FME personnel
Article 4	Provision of first aid box and first aider	Overall Facility	Deployment of first aid boxes as per standard procedures and regular inspection records. First aider qualification records	1 first aid box at least for 100 people
Article 5 a	Minimum space requirements for personnel	All working areas in the facility	Proper design of facility, records of personnel work space	New office building to consider minimum space requirement
Article 5 b and c	Provision of ventilation and lighting	All work area in the facility	Proper installation of HVAC systems and lighting for all personnel working in the facility	

Laws /Regulations/Standard-Title/Issue Date		***Federal Law No. 32 of 1982, Determination of retentive methods and measures for the protection of workers from risks at work***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Article 5 d	Prevention or reduction of noise	All high noise areas in the facility	Work place noise monitoring records, records of noise enclosures provided	-
Article 5 e	Provision of kitchen or places to eat	Dining areas in the facility	Training provided regarding prohibition of eating in production areas and separate locations are provided as part of induction training	Contractor will be allowed to use FME rest areas for dining
Article 5 f	Provision of toilets and rest areas	Overall Facility	Records of toilet and rest areas in the facility (approved building plans)	Contractor will be allowed to use FME facilities
Article 7	Provision of safe place to work	Overall facility	Proper design of building, records of inspection and continuous improvement of safety	Contractor will report any safety issues with working area to FME
Article 8	Provision of emergency training and firefighting equipment	Person working in facility and overall facility	Firefighting equipment list with locations, training records	Contractor will be briefed about fire hazards and equipment

Laws /Regulations/Standard-Title/Issue Date		***Federal Law No. 32 of 1982, Determination of retentive methods and measures for the protection of workers from risks at work***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Article 9	Provision of PPE and indication of high risk areas in the facility	Personnel working in the facility	Awareness training about high risk areas as part of induction training, PPE records	Contractor will be briefed about high risk areas
Article 10, 11	Provision of guarding on pumps and other rotating parts	All rotating equipment in facility	Records (photographs) of provision of guarding. Inspection records, completed checklist of all guards against requirements	-
Article 12	Provision of safe new machinery	Installation of any new equipment in facility	Risk assessment of the equipment, inspection records	Contractor to obtain approval on equipment used in facility
Article 13	Provision of safety locks	Guard or safety device, personnel working in facility	Inspection records indicating the effectiveness of guarding, awareness regarding working in guarded equipment	-
Article 14	Provision of safety notices	All areas in the facility	Warning / safety boards in facility in Arabic and English	Contractor to put temporary board if required
Article 16	Pressure Vessels requirements	Boilers, Tanks, Cylinders and autoclave in the facility (autoclave has similar properties of boiler)	Records of provision of all safety devices on the boiler / pressure vessel, inspection / maintenance records, third	

Laws /Regulations/Standard-Title/Issue Date		***Federal Law No. 32 of 1982, Determination of retentive methods and measures for the protection of workers from risks at work***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
			party inspection records of boilers and compressors	
Article 18	Proper storage condition for chemicals	Storage of raw materials and chemicals	Records of chemical storage areas, inspection records of storage areas, warning signs in chemical storage area	-
Article 19	Proper excavation / demolition / construction	Applicable during excavation / demolition / construction activities	Risk assessment for new activities	Activities to be conducted by FME contractor as per approved method statements which should include all OHS requirements
Article 22	Provision of safe place of work and PPE	All areas in the facility	Training regarding safe working, guard design for equipment	PPE for contractor's personnel to be provided by contractor

Laws /Regulations/Standard-Title/Issue Date		***Ministerial Order No.32 of 1982 and its Amendments***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Ministerial Order 32/1982 Article 1	Provision of appropriate preventive measures for the protection of employees	All activities in the facility	Development and implementation of operational control	Availability of SOPs
Ministerial Order 32/1982 Article 3	Employer to brief employees on hazards before start work Inspector may require medical exam in terms of Federal Law 8 Part X Article 175	All the employees of FME	Pre-employment medical examination	-
Article 4, Ministerial Order No.32 of 1982	Every employer shall assign the task of supervising first aid treatment to a specialist in first aid treatment and shall provide for the first aid box the contents specified in table No (3) attached of UAE labor & Federal Law No.8 of 1980.	FME Management	Provision of first aid boxes and first aid training certificates	Availability of qualified & competent first aider; and provision of first aid boxes
Article 5, Ministerial Order No.32 of 1982	Provision of sufficient protection for the health and safety of the employee working in the establishment and that he shall give special attention to the following: (a) The space assigned to each person shall not be less than 400 cubic feet. This (b) Avoid any insufficiency in	All the employees of FME	Management of workplace as per Industrial Development Bureau requirements	-

Laws /Regulations/Standard-Title/Issue Date		*Ministerial Order No.32 of 1982 and its Amendments*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
	the necessary amount of clean air or delays in renewing this air, and keep out all harmful air drafts or any sudden changes in the temperature and, as far as possible, eliminate the excessive humidity prevailing in the work place, excessive high or low temperatures and bad-smelling air currents.			
Article 5,Ministerial Order No.32 of 1982	Provision of sufficient and appropriate lighting, natural or artificial,	Overall Facility	Management of workplace as per municipality requirements for trade license	-
Ministerial Order 32/1982 Article 8	Fire alarm system required and workers to be trained to respond appropriately	Overall Facility	Civil Defence certificate, record of firefighting equipment inspection and maintenance	-
Ministerial Order 32/1982 Article 8	Instructions for prevention, and actions in the event of fire to be posted in Arabic and other languages if necessary	Overall Facility	Emergency Response Procedure	Fire Rescue Plan to displayed on notice boards
Ministerial Order 32/1982 Article 8	Fire extinguishers to be kept in good condition	Overall Facility	Testing and inspection certificates of firefighting equipment	-

Laws /Regulations/Standard-Title/Issue Date		*Ministerial Order No.32 of 1982 and its Amendments*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Ministerial Order 32/1982 Article 8	Fire extinguishers to be placed for easy access	Overall Facility	Provision of Fire extinguishers and hose reels at appropriate locations.	-
Ministerial Order 32/1982 Article 8	Sufficient number of workers trained in use of fire extinguishers	Identified employees of FME	Fire Fighting Training certificates	Provision of firefighting training to sufficient number of employees
Article 12, Ministerial Order No.32 of 1982	When installing new machines or operating equipment or parts, the employer shall ensure that they are provided with protection facilities which meet the required protection standards.	All the activities of FME	Inspection & Audit Records	-
Article 13, Ministerial Order No.32 of 1982	The employer may not allow any person to remove or install any barrier or any other part of the protective equipment while the machine is running, and the machine shall not be operated unless being re-installed in its place.	All the activities of FME	Inspection & Audit Records	
Article 14, Ministerial Order No.32 of 1982	The employer shall display instruction sign board at locations of machinery or operation stating the necessary technical measures,	Overall Facility	Inspection & Audit Records	Provision of sign boards and instructions at the locations of machineries

Laws /Regulations/Standard-Title/Issue Date		***Ministerial Order No.32 of 1982 and its Amendments***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
	and such instruction shall be written in Arabic or other language understood by the employees, if necessary.			
Article 20	Proper selection, use and maintenance with external certification for forklift, cranes, hoists, slings, ropes and shackles.	Applicable to EOT cranes and forklifts	3rd Party Inspection certificates from a company accredited by ESMA.	-

Laws /Regulations/Standard-Title/Issue Date		*Federal Law No. 24 of 1999, Protection and Development of the Environment*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Federal Law 24 of 1999, Article 4	Protection and development of the environment	All the operations of FME	Pollution prevention, waste management, etc.	Waste Management Plan
Federal Law 24 of 1999	Regular analysis of waste to be undertaken	All the operations of FME	Waste management audit/ analysis	Waste Management Plan
Federal Law 24 of 1999, Article 7	Record to be kept of waste analysis	All the operations of FME	Record of analysis of waste	Waste management plan
Federal Law 24 of 1999, Article 8	Treatment of effluent which may cause direct or indirect pollution to water environment	All the operations of FME	Records of effluent analysis	Waste management plan
Federal Law 24 of 1999, Article 35	Untreated substances which may cause water pollution not to be discarded	All the operations of FME	Waste management plan	Compliance to Standards and requirements on Waste Management
Federal Law 24 of 1999, Chapter IV	Protection of air from pollution	All the operations of FME	Operational control procedures	Air quality monitoring plan
Federal Law 24 of 1999, Article 53	Air pollutants emissions to be measured and record kept	All the operations of FME	Air quality monitoring records	Air quality monitoring
Federal Law 24 of 1999, Article 50	Waste to be burned in designated places only	All the waste of FME	Waste management plan	-
Federal Law 24 of 1999, Article 43	Disturbing the natural properties or Soil pollution prohibited	All the waste of FME	Waste management plan	-

Laws /Regulations/Standard-Title/Issue Date		*Federal Law No. 24 of 1999, Protection and Development of the Environment*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Federal Law 24 of 1999, Articles 45, 47 and 51	Certain pesticides, fertilizers and agricultural conditioners controlled	All the operations of FME	Waste management plan	-
Federal Law 24 of 1999, Article 54	Environmental noise limits to be prescribed	All the operations of FME	Occupational noise monitoring records	Noise Management Plan
Federal Law 24 of 1999, Articles 58 and 59	Only licensed contractors to dispose off hazardous waste	All the waste of FME	Approved Environmental service provider disposal certificate	Waste Management Plan
Federal Law 24 of 1999, Article 61	Owner to keep a register of hazardous waste, disposal and contractors for disposal	All the waste of FME	Approved Environmental service provider disposal certificate	-
Federal Law 24 of 1999, Article 61	Operator to take all necessary precautions to ensure no damage to environment	All the operations of FME	Inspection records /certificate	-
Federal Law 24 of 1999, Chapter VII	Liability and compensation for environmental damages established	All the operations of FME	Compliance records	-

Laws /Regulations/Standard-Title/Issue Date		***Ministerial Decree No. 12/2006 By-Laws of The Federal Law No. 24 of 1999 Regarding the Protection of air against pollution***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Ministerial Decree No. 12/2006, Article 2	Control on the emissions or leakage of gaseous and solid pollutants and vapors in the ambient air.	All the operations of FME	Air quality monitoring records	Air quality monitoring
Ministerial Decree No. 12/2006, Article 3	Car and Vehicle emissions may not exceed the maximum allowable limits specified in the specifications and amendments thereto, being air Pollutants coming out of the sources of internal combustion that uses hydrocarbon fuel	All the vehicles used for the operations of FME	IC Engine exhaust monitoring records	IC Engine Exhaust Monitoring
Ministerial Decree No. 12/2006, Article 4	FME shall take into account, during the combustion of any sort of hydrocarbon fuels in purposes operations or for the sake of commercial purpose that smoke, gases, and vapor emitted shall be within the allowable limits specified in annex (2). FME facilities shall be subject to the supervision and measurements of the Competent Authorities in coordination with the Agency	All the operations of FME that requires hydrocarbons for combustion	Air quality monitoring records and Air pollution control equipment	Air quality monitoring
Ministerial Decree No. 12/2006, Article 5	Treatment and Disposal of solid waste shall be carried out in the specified places away from the	Waste generated by the operations of FME	Records of waste treatment and disposal	Waste management plan

Laws /Regulations/Standard-Title/Issue Date		*Ministerial Decree No. 12/2006 By-Laws of The Federal Law No. 24 of 1999 Regarding the Protection of air against pollution*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
	residential, commercial, industrial, agricultural and aquatic environment.			
Ministerial Decree No. 12/2006, Article 6	Medical Waste shall be disposed off through incineration according to a license issued from the Competent Authorities in cooperation with the Agency and the Concerned Municipality	Medical waste generated by FME	Hazardous waste manifestation and records	Compliance to Standards and requirements on Waste Management
Ministerial Decree No. 12/2006, Article 7	Stacks used for the disposal of efflux shall be designed considering the requirements stated in the article 7	Stacks used for the disposal of efflux or air pollutants generated due to the operations of FME	Operational control procedures	Compliance to the requirements as stated in article 7
Ministerial Decree No. 12/2006, Article 8	Disposal of hazardous wastes shall be done by burning Incinerators satisfying the terms and conditions stipulated in article (5) hereof, provided that the temperature inside the Incinerator shall be no less than 1200 degree Celsius and air pollutants emitted may not exceed the maximum allowable limits in annex (4)	Hazardous waste generated by FME	Hazardous waste manifestation and records	Waste Management Plan
Ministerial Decree No. 12/2006, Article 10	Safe storage and transportation of waste by preventing it from being	All the waste of FME	Waste management plan	-

Laws /Regulations/Standard-Title/Issue Date		***Ministerial Decree No. 12/2006 By-Laws of The Federal Law No. 24 of 1999 Regarding the Protection of air against pollution***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
	stirred away while storage and transportation			
Ministerial Decree No. 12/2006, Article 11	Protection of FME employees from the exposure to noise	All the employees of FME	Occupational noise monitoring records	Standard operational control procedures
Ministerial Decree No. 12/2006, Article 12	Provision of sufficient ventilation and prevention of leakage or emission of air pollutants	All the operations of FME	Waste management plan	-
Ministerial Decree No. 12/2006, Article 14	Environment Observatories shall notify the Agency, the Competent and the Concerned Authorities of any violation of the allowable limits of air pollutants, as specified in annex (8) attached hereto, and undertake to provide periodical reports for such authorities summing up the results of their work.	All the operations of FME	Reporting of air quality parameters to DUPM and EAD when it exceeds the limit as specified in annex 8	Air quality monitoring records
Ministerial Decree No. 12/2006, Article 15	Periodic analysis of air pollutants emitted and reporting of the observations to the competent authority	All the operations of FME	Air quality monitoring records	Air quality monitoring Plan

Laws /Regulations/Standard-Title/Issue Date		***Law No. (16) of 2005 pertaining to the Reorganization of the Abu Dhabi Environment Agency***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Remarks**
Law No. (16) of 2005, Section 1, Article 14	Establishment or Individual is prohibited to carry out any activity that could adversely affect the lives of human beings and the safety of the environment before obtaining a license from the Agency	All the operations of FME	License Issued by EAD	-

Laws /Regulations/Standard-Title/Issue Date		***Law No. (23) of 2005 and the Executive Regulations Regarding the Health Insurance Scheme for the Emirate of Abu Dhabi***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Chapter II, Article 5	Every employer shall provide health insurance coverage for all his employees/workers and their family members covering the employee's/worker's wife and three children under 18 years of age.	All the employees of FME	Insurance cards and Medical Records	-
Part IV, Article Seven	Employers shall undertake to provide the Authorized Health Insurance Company with details of the monthly income of the Insured Person in a written declaration to be signed by the Insured Person, the Employer or Sponsor who is authorized to sign.	All the employees of FME	Insurance Cards and Employment Contracts	-
Part V, Article Nine	The Employer will cover the actual cost of healthcare in medical emergencies in the event that the injured person is not insured.	All the employees of FME	Medical Records	-

Laws /Regulations/Standard-Title/Issue Date		*Law No. (21) of 2005 - Waste Management in the Emirate of Abu Dhabi*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Remarks**
Chapter 3 – Article 3, Article 4 Chapter 5 – Article 6 Chapter 7 – Article 8, Article 9	Handling and disposal of waste as per regulations	Waste generation and handling areas in the facility	Approval from EAD / CWM for disposal of wastes Records of waste logs	Waste generated from contractor activities are under contractor responsibility
Chapter 4, Article 5, point 1	Reduce waste generated in facility	Waste generation areas in the plant	Waste management plan including waste logs	-
Chapter 4, Article 5, point 2	Classification of waste	Waste generation, handling and storage on site	Waste management plan	-
Chapter 4, Article 5, point 3	Provision of applicable occupation health and safety requirements	Personnel handling or dealing with wastes in the facility	Records of PPE provided	-
Chapter 4, Article 5, point 6a	Disposal of wastes through approved environmental service provider	Waste disposal from facility	Records of use of approved waste disposal agencies	-
Chapter 4, Article 5, point 6a	Provide authorities with description and specifications of waste generated in facility	Wastes generated in the facility	Waste management plan, records of waste analyses	-
Chapter 8, Article 9, point 2	Responsibility of FME in case of violation to remove effects due to violation	Waste generation and illegal disposal of wastes in the facility / other areas	Violation issue by authorities, records of corrective action	Applicable only if FME violates the law
Guideline values	Prevention of soil and groundwater contamination	Determination of soil and groundwater contamination	Operational environmental permit from EAD	-

Laws /Regulations/Standard-Title/Issue Date		***Law No. (21) of 2005 - Waste Management in the Emirate of Abu Dhabi***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Remarks**
	and remediation	in the area due to the accidental spills or leakages of chemicals, hydrocarbons, etc.	Records of spills / leakages	

Laws /Regulations/Standard-Title/Issue Date		***Ministerial resolution No. 37/2 of 1982, Concerning the levels of Medical Care to be Provided by Employers for their Workers***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Article 1	Provision of workers with treatment facilities	All workers in the facility	Records of all medical treatment provided to workers by the employer	Contractor will provide medical facilities for their personnel
Article 2	Provision of first aid box in the facility	Overall facility	Records of first aid box location in the facility	Insurance cards is provided to all personnel
Article 7	Provision of transport to clinic	All workers in the facility	Dedicated vehicle in the facility for transport of personnel to clinic at all times	-
Article 10	Provision of medical checkup for expatriate workers	All expatriate workers	Medical records of all personnel every 3 years during visa renewal	-
Article 11	Medical file for all personnel in facility	All workers in the facility	Medical file for each worker including records of medical check while joining, periodic checkup report, results of any medical analyses, medical leave records including reason	-
Article 12	Statement (no of workers, type of disease and days of absence) to competent Labour	All workers in the facility	Records of all statements sent to labor department	-

Laws /Regulations/Standard-Title/Issue Date		***Ministerial resolution No. 37/2 of 1982, Concerning the levels of Medical Care to be Provided by Employers for their Workers***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
	department on quarterly basis			

Laws /Regulations/Standard-Title/Issue Date		***Ministerial Decree No. 37 of 2001 concerning the approval of the Executive Orders for Law No. 24***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Environmental Impact Assessment of Projects	Environmental impact assessment of the project	All facilities of FME	EIA Reports	-
Handling Hazardous material, Hazardous wastes and medical wastes	Risk assessments and Trainings Accidental Release ,Spill Prevention Mechanisms MSDS of the chemicals Proper storage, handling and disposal through approved waste handlers	All operations of FME	Risk Register, Training Records, Emergency Response, Operational Procedures	-

Laws /Regulations/Standard-Title/Issue Date		*Abu Dhabi OHS Law No. 42 and Industrial Sector Regulatory Framework Codes of Practice*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
Article 8, point 1	Development and implementation of an OHSMS	All OHS activities in the facility	Approval of OHSMS from DUPM, OHSMS system documents	Applicable to contractor activities in the facility
Article 8, point 2	Conducting annual audit of the facility	All OHS activities in the facility	Records of internal and external audits	-
Article 8, point 3	Reporting to DUPM regarding OHSMS performance	All OHS activities in the facility	Records of OHSMS performance monitoring submission to DUPM, Contractor performance reports	Contractor to provide required monitoring as per FME requirements

Laws /Regulations/Standard-Title/Issue Date		***ADOSH SF v4.0***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH SF v4.0 Elements 1,2,3,4,5,6,7,8 and 9	Development of full compliance OHSMS	All activities of FME	Full Compliance OHSMS system developed as per ADOSH SF v4.0	To be submitted to DUPM for review and approval
ADOSH SF v4.0 Mechanisms 2, 4, 6, 8 and 11	Development of OHSMS, Submission and review of OHSMS, Registration requirements, Monitoring and Reporting, OSH Practitioner Registration, Incident Notification and Reporting requirements	All activities of FME	Full Compliance OHSMS system developed as per ADOSH SF v4.0	To be submitted to DUPM for review and approval

Laws /Regulations/Standard-Title/Issue Date		*ADOSH-SF Code of Practice*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 1.0 Hazardous Material	The intent of this Code of Practice is to specify minimum requirements for training, handling, storage, risk assessment, and reporting for handlers, transporters, manufacturers, and distributors of hazardous materials.	All hazardous materials used within office and plant premises of FME	Hazardous Material Management Plan and Waste Management Plan and Records	Compliant
ADOSH-SF Code of Practice 2.0 PPE	This CoP stipulates the requirements or measures to be taken to ensure Personal Protective Equipment (referred to as PPE) is introduced carefully, used properly and regularly maintained and monitored.	All Employees of FME	Records of PPE Issuance and audit/inspection records	Compliant
ADOSH-SF Code of Practice 3.0 Occupational Noise	This CoP establishes the requirements and standards so that the risks associated with the where employees could be exposed to noise levels in excess of 85 dB as measured on an A weighted scale at any time during work shift. Employers shall ensure employees and visitors are not be exposed to any continuous intermittent, or impact noise level above 100 dB(A) unless the appropriate hearing protection is provided	All employees exposed to occupational noise within FME	Standard Operational Procedure for Noise Management and Noise Monitoring data.	Compliant

Laws /Regulations/Standard-Title/Issue Date		***ADOSH-SF Code of Practice***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 3.1 Vibration	The intent of this Code of Practice is to establish the requirements for worksites where personnel are exposed to vibration, or likely to be exposed to vibration at or above the action level	All the operations involving vibrations within FME	Standard Operating Procedure for Vibration	Compliant
ADOSH-SF Code of Practice 4.0 First Aid and Medical Emergency Treatment	This CoP ensures adequate first aid facilities and procedures are established and ensure that competent persons are readily available within the workplace to provide the services and necessary supplies and equipment are present and maintained in the workplace suitable to the first aid or medical services required.	All the employees of FME	Emergency Management Procedure Standard Operating Procedure for First Aid Administration	Compliant
ADOSH-SF Code of Practice 5.0 Occupational Health Screening and Medical Surveillance	This CoP identities specific requirements for occupational health screening / fitness to work and medical surveillance every 6 months for employees performing any of the job duties in which they are exposed to hazardous chemicals and hazardous materials	All the employees of FME exposed to hazardous materials including professional drivers and emergency respondents	Medical Surveillance Records	Compliant

Laws /Regulations/Standard-Title/Issue Date		*ADOSH-SF Code of Practice*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 8.0, General Workplace Amenities	This code of practice applies to the amenities found at workplace and involves ensuring the availability of the minimum OHS requirements in this regard and the validity of control measures in place.	FME Office & Plant Premises	Provision of Welfare Facilities (e.g. toilets, resting, eating and smoking area, etc.)	Compliant
ADOSH-SF Code of Practice 9.0, Workplace Wellness	The intent of this Code of Practice is to establish the requirements and standards for workplace wellness and health promotion though awareness, education and wellness programs. This Code of Practice aims to promote the wider health of personnel in Abu Dhabi Emirate in order to have a more productive and healthy workforce.	FME Office & Plant Premises	Yearly health need assessment to determine health risk factors and Health Promotion Programs	Compliant
ADOSH-SF Code of Practice 9.2, Managing Work-Related Stress	This Code of Practice mandates the requirements for work-related stress management, including consideration of demands, control, support, relationships, understanding of employee roles, and management and communication of change.	All Employees of FME	Risk assessments and operational procedure for work related stress	Compliant

Laws /Regulations/Standard-Title/Issue Date		***ADOSH-SF Code of Practice***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 11.0, Safety in the Heat	This code of practice(COP) applies to all employers within the emirate of Abu Dhabi that have employees working in high temperature environments High temperature environments includes both weather (working outside in summer months)and site operations (furnaces, ovens, and other high temperature operations)	All Employees of FME	Standard Operating Procedure for Managing Heat Stress Provision of shaded areas Elimination of activity in open areas	Compliant
ADOSH-SF Code of Practice 13.0, Workplace Violence	The purpose of this code of practice is to ensure that employers take measures to prevent or minimize the occurrence of violence in the work place and to protect employees and other potentially affected persons against it, ensuring that they have access to assistance and recourse if they happen to be exposed to it.	All Employees of FME	Violence Policy and Disciplinary Policy	Compliant
ADOSH-SF Code of Practice 14.0, Manual Handling and Ergonomics	This Code of Practice (CoP) applies to all employers and places of business within the Emirate of Abu Dhabi that have exposure to risk due to manual handling and work environment ergonomic concerns that can cause or aggravate work-related musculoskeletal disorders (WRMDs) or other related injuries and illnesses	All Manual and Mechanical handling activities	Standard Operating Procedure for Manual Handling and Ergonomics Provision of Mechanical Lifting aids	Compliant

Laws /Regulations/Standard-Title/Issue Date		*ADOSH-SF Code of Practice*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 15.0, Electrical Safety	The intent of this Code of Practice is to establish standards and principles that promote the design, construction and operation of safe and efficient systems of wiring in buildings and other premises. This procedure provides users with general procedures for eliminating, preventing and controlling electrical hazard	All the areas of FME	Standard Operating Procedure for Electrical Safety Clearance from ADDC	Compliant
ADOSH-SF Code of Practice 17.0, Safety Signage and Signals	Use of safety signage where there is a significant OHS risk that has not been avoided or controlled by the methods required, provided the use of a sign can help reduce the risks. Safety signs are not a substitute for those other methods of controlling risks such as engineering controls and safe systems of work.	FME Office & Plant Premises	Provision of Safety Signage in the workplace	Compliant
ADOSH-SF Code of Practice 21.0, Permit to Work	A permit to work (PTW) system is a formal recorded process used to control work which is identified as potentially hazardous. It is also a means of communication between site /installation management, plant supervisors and operators and those who carry out the hazardous work.	All the hazardous operations of FME	Standard Operating Procedure for Permit to work system	Compliant

Laws /Regulations/Standard-Title/Issue Date		***ADOSH-SF Code of Practice***		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 22.0 Barricading of Hazards	Use of barricades where there is a significant OHS risk that may result in danger of a person falling, being struck by objects, pedestrian and vehicles entering the site. This will ensure maintaining control of access to dangerous or high risk areas or equipment through use of barricades	All the hazardous areas of FME	Provision of barricades in the workplace	Compliant
ADOSH-SF Code of Practice 23.0, Working at Height	The intent of this Code of Practice is to cover the requirements relevant to the planning, preparation and conduct of health and safety work practices in connection with working at heights. Working at height in this Code of Practice includes existing places of work and means of access for working at height, fall prevention, guardrail systems, safety nets, fall arrest systems and working platforms.	All operations of FME taking place at heights	Standard Operating Procedure for working at heights Provision of edge protection and fall prevention measures	Compliant
ADOSH-SF Code of Practice 24.0, Tag-out-Lock-out (Isolation)	This CoP establishes the specific requirements and standards so that risk associated with the servicing and maintenance of machines in which the unexpected energizing or start-up of the machines or equipment, or release of stored energy could cause injury to the employees which can be controlled through the use of locks to isolate energy sources and tags on isolated device to show that equipment is out of service for repair and maintenance work	All the servicing and maintenance operations involving energized machines and equipment of FME	Provision of LOTO and Standard Operating Procedure for LOTO	Compliant

Laws /Regulations/Standard-Title/Issue Date		*ADOSH-SF Code of Practice*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 28.0, Hot Work Operations	This CoP establishes requirements and standards so that the risks associated with hot work operations are assessed, that control measures are implemented in accordance with the hierarchy of controls and that control measures are taken to prevent injury, illness and disease to persons who might be exposed to risks arising from those activities	All the hot work operations within FME	Standard Operating Procedure for Hot work operations Provision of designated hot work areas	Compliant
ADOSH-SF Code of Practice 34.0, Safe use of Lifting Equipment and Lifting Accessories	This CoP establishes the requirements and standards so that the risks associated with the use of lifting equipment and lifting accessories are assessed, that control measures are implemented in accordance with the hierarchy of controls and that control measures are taken to prevent injury, illness and disease to persons who might be exposed to risks arising from those activities.	All lifting operations of FME	Standard Operating Procedure for EOT Cranes TPI and Certification of lifting equipment and accessories	Compliant
ADOSH-SF Code of Practice 35.0, Portable Power Tools	This CoP established the requirements and standards so that the risks associated with the	All powered tools of FME	Standard Operating Procedure for Portable Powered Tools PAT Testing of portable powered	Compliant

Laws /Regulations/Standard-Title/Issue Date		*ADOSH-SF Code of Practice*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
	use of portable power tools are assessed, that control measures are implemented in accordance with the hierarchy of controls and that control measures are taken to prevent injury, illness and disease to persons who might be exposed to risks arising from those activities.		tools	
ADOSH-SF Code of Practice 36.0, Plant and Equipment	The intent of this Code of Practice is to establish the requirements and standards so that the risks associated with the use of machinery, equipment and appliances are assessed, that control measures are implemented in accordance with the hierarchy of controls and those measures are taken to prevent injury, illness and disease to persons who might be exposed to risks arising from those activities. This Code of Practice applies to the overall management of plant and equipment and to the obligations and requirements of designers, manufacturers, suppliers, erectors and installers, entities and personnel. It also covers the requirements for maintenance, servicing, cleaning, repairs, modifications, inspection and auditing of plant, along with the keeping of records.	All plant and equipment of FME	Maintenance Records, Inspections, Auditing Records Standard Operating Procedure for Plant and Equipment	Compliant

Laws /Regulations/Standard-Title/Issue Date		*ADOSH-SF Code of Practice*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 44.0, Traffic Management & Logistics	This CoP establishes the requirements and standards so that the risks associated with traffic and logistics can be prevented or reduced through the introduction of appropriate control measures.	All employees of FME	Standard Operating Procedure for Traffic Management Traffic Management Plan	Compliant
ADOSH-SF Code of Practice 47.0, Machine Guarding	This CoP establishes the requirements and standards so that the risks associated with the guarding of machinery are assessed, that control measures are implemented in accordance with the hierarchy of controls and those control measures are implemented to prevent injury, illness and disease to persons who might be exposed to risks arising from those activities.	All the machines of process areas	Provision of Fixed and interlocking Machine Guards to all the machines Standard Operating Procedure for Machine Guarding	Compliant
ADOSH-SF Code of Practice 49.0, Compressed Gases and Air	This CoP sets requirements on how to use, store and transport compressed gases including hazard identification, testing and inspection procedure for compressors, air receivers, pressure vessels and pressure relief valves	All the compressed gases and cylinders of FME	Standard Operating Procedure for compressed gases TPI and Certification of Air Compressors	Compliant

Laws /Regulations/Standard-Title/Issue Date		*ADOSH-SF Code of Practice*		
Article No.	**Requirement/Obligation**	**Area of Applicability**	**License/Compliance Records Required**	**Compliance Monitoring / Remarks**
ADOSH-SF Code of Practice 51.0, Powered Lift Trucks	This CoP sets out the requirements for the use of lift trucks. For the purposes of the ADOSH-SF these have been defined as follows (i) Powered Industrial Truck: An industrial vehicle used to carry, push, pull, lift or stack material that is powered by an electric motor or an internal combustion engine. Included are vehicles that are commonly referred to as forklift trucks, rider trucks, motorized or powered hand trucks, pallet trucks and tugs. Not included farm vehicles or vehicles intended primarily for earth moving or over-the-road hauling	All lifting operations of FME	TPI and Certification of Forklifts Competent Forklift and industrial trucks drivers Standard Operating Procedure for Forklifts and industrial trucks	Compliant
ADOSH-SF- CoP 53.0 – OHS Management during Construction Work	This Code of Practice specifies minimum standards for control of OHS-related risks and prevention of injury, illness, and disease at construction project sites.	New/ Alteration / Construction work within FME	-	-
ADOSH-SF Code of Practice 54.0, Waste Management	Requirements for the development and implementation of the Waste Management requirements to the production, handling, keeping, safe storage, transport, collection and disposal of all waste generated.	All the generated waste in FME	Waste Management Plan	Compliant

Laws /Regulations/Standard-Title/Issue Date		***EAD Technical Guidance***		
Law/ Clause / Article / Reference	**Requirement / Obligation**	**Area of Applicability**	**Licenses / Compliance Records Required**	**Remarks**
EAD's Technical Guidance (TG) document - Standards & Limits for pollution to Air & Marine Environments, Occupational exposure, Pesticides & Chemical Use	Compliance to the standards specified for air quality, noise & wastewater discharge quality	All FME operations	Monitoring reports/ records	Compliant
EAD's Technical Guidance (TG) documents on Environmental Audits, Environmental Action Plans	Annual environmental audits Action plans for undertaking corrective actions in case of any non-compliance in case of environmental emergencies	FME Plant Premises	3rd party annual audits Environmental Incident Investigation/ Corrective & Preventive Actions	Compliant
EAD's Technical Guidance (TG) documents on decommissioning	FME to undertake Decommissioning audit and remediate any contaminated land before returning land to the owner	During FME decommissioning	Decommissioning Environmental Management Plan	Compliant

Laws /Regulations/Standard-Title/Issue Date		***Abu Dhabi Emirate Environment Protection Policies (EEPPs)***		
Law/ Clause / Article / Reference	**Requirement / Obligation**	**Area of Applicability**	**Licenses / Compliance Records Required**	**Compliance Monitoring / Remarks**
Part 1 –Air Quality Part 2 – Water Quality Part 3 – Land Quality Part 4 – Noise Part 5 – Waste Part 6 – Hazardous substances Part 7 – Occupational & Environmental Health and safety Part 8 – Bio diversity & Conservation	Protection of Environment from pollution Protection of employees from risks	All operations of FME	Compliance records to the specific requirements	-

Laws /Regulations/Standard-Title/Issue Date		***Other Applicable Legal Requirements***		
Law/ Clause / Article / Reference	**Requirement / Obligation**	**Area of Applicability**	**Licenses / Compliance Records Required**	**Compliance Monitoring / Remarks**
Occupational Health and Environmental Control SSUAE No.209/1995	Protection of Environment from pollution Protection of employees from risks	All operations of FME	Compliance records to the specific requirements	-
Ministry of Health- A Guide to Preventive Occupational Health Services in Workplaces	Protection of Health and Safety of employees in the Workplaces	All the employees of FME	OHS Performance Monitoring Report, Incident Report etc.	-
Ministerial Resolutions issued by Ministry of Labor (Working at Heat)	Protection of workers from heat	All the employees of FME exposed to heat	Awareness Program, Summer working hours records, Medical Records etc.	-
ESMA Standard UAE GSO 209: 1995- Industrial Safety and Health Regulations Occupational Health and Environmental Control	Industrial Safety and Health regulations – Occupational Health and Environmental Control	All operations of FME	OHSMS Documentation & Records	-

ESMA Standard UAE.s GSO 212: 1994 – Personal Protective Equipment	Industrial Safety and Health regarding Personal Protective Equipment	All operations of FME	Operational Control for PPEs	-
ESMA Standard UAE. GSO 215: 1995 – Industrial Safety and Health Regulations – Equipment –Tanks Pressure vessels, Boilers and Compressed gas equipment	IndustrialSafetyandHealthregarding personalProtectiveEquipmenttanks pressurevessels,boilersand Compressed gas equipment	All operations of FME	Risk Assessments, TPI Reports	-
Abu Dhabi Civil Defense (ADCD) Regulations UAE Fire and Life Safety Code of Practice	Design and operation of firefighting system Approvals Inspections	Workplace Fire Protection Emergency Response	Approved Fire Protection Plan Inspection of Fire Fighting Equipment by ADCD approved TPI Approved ERP	-

Note: This Legal Register must be reviewed regularly, at least annually or as needed, as per Legal Requirements.

Revision	Date	Details of Changes	Updated by
00	14 June 2024	Initial release	OSH MR
01	13 June 2025	Review	OSH MR
02	01 April 2026	Review	OSH MR

Prepared By:	**Approved By:**
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Arbrit Safety training and consultancy L.L.C

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Mohammed Jasim Abdurahiman Chirutha Parambil

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Date of Assessment 20 December 2025

Date of award 20 December 2025

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- ✓ you should continuously update your knowledge.

Please contact your training provider for further details.

Highfield contact details:

Highfield Qualifications
Highfield ICON, First Point, Balby Carr Bank, Doncaster, South Yorkshire, DN4 5JQ, UK
Telephone: 01302 363277 Website: www.highfieldqualifications.com

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Telephone: 00 9714 449 4042 Website: www.highfieldinternational.com
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Highfield Qualifications

Highfield Qualifications

Certifies that

Mohammed Jasim Abdurahiman

has successfully passed an assessment in

Highfield Level 2 International Award in Fire Safety

Date of Award 06 January 2026

Certificate number FIR8672182

MERIT

Course Director

Arbrit Safety Training and Consultancy L.L.C

Training Organisation

Richard Sprenger, Chairman
Highfield Qualifications

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FALCON Middle East	**NONCONFORMITY AND CORRECTIVE ACTION REPORT**	Doc. Ref. No. FALCON-PRO-04-FRM 01 Effective Date: 01 April 2021 Rev. No.: 00 Page 1 of 2

NCAR No.	001/2026	Date	13-08-2026
Issued by (Originator)	Ravinder Singh Jaswal	Department	HSE
Issued to (Recipient)	PE	Department	Electrical
Type of Nonconformity (NC)	● Internal Audit (1st Party) ○ External Audit (2nd Party) ○ External Audit (3rd Party) ○ QHSE Inspection ○ Others _____ *(pls specify)*		
Classification of Findings	● Major ○ Observation ○ Minor ○ Opportunity for Improvement		
Details of Nonconformity	No approved MSRA are found during audit and all MSRA need to revise with new TAQ format		
ISO Requirement or Reference Documents	ISO 45001:2018	Estimated Completion Date	**13-11-2026**
Name & Signature of Originator	Ravinder Singh Jaswal 	Acknowledged by: (Name & Signature of Concerned Dept.)	Engr. Saddam Masood 

For concerned Department use:

Correction:	MSRA in new format sent to TQD
Root Cause Analysis:	Communication Gap

Corrective & Preventive Action:	Target Date	Responsible	Date of Implement ation	Signature	Status
MSRA has been sent to TQD on Dated 24-09-2026 for review and approval	13-11-2026	Project Engineer			Open (awaiting for approval from TQD)

Verification of Effectiveness:	
Corrective Action Effective? ● Yes ○ No	
If No, agreed date of next verification:	
Verified by:	***Approved by:***
Originator Name & Signature: Ravinder Singh Jaswal Date:13-08-2026 Remarks:	Name & Signature of General Manager: Date:13-08-2026 Remarks:

Sr. no.	Name of Equipment	Manufacturer/Model	Inspection Date	Expiry Date	Institute
1	Angel Grinder	Bosch	May 14, 2026	May 13, 2027	World Wide Inspection & Calibration
2	Angel Grinder	Boss	September 2, 2026	September 1, 2027	World Wide Inspection & Calibration
3	Cable Avoidance Tool	CAT	March 30, 2026	March 29, 2027	Prompt Calibration & Instrumentation Equipment Trading LLC
4	Square Trailer Jack	Jack	September 29, 2026	March 28, 2027	World Wide Inspection & Calibration
5	Clamp Meter on Earth Tester	Hioki	September 1, 2027	September 2, 2027	World Wide Inspection & Calibration
6	Plate Compactor	Energy	April 17, 2026	April 16, 2027	World Wide Inspection & Calibration
7	Plate Compactor	C90	May 21, 2026	May 20, 2027	World Wide Inspection & Calibration
8	Demolition Hammer	Greatec	September 2, 2026	September 1, 2027	World Wide Inspection & Calibration
9	Water Pump	Deutz/08923076	June 8, 2026	June 7, 2027	World Wide Inspection & Calibration
10	Gasoline Genrator	GGC9500M	April 23, 2026	April 22, 2027	World Wide Inspection & Calibration
11	Hydraulic Crimping Tool	Kompress	March 4, 2026	March 3, 2027	World Wide Inspection & Calibration
12	Hydraulic Crimping Tool	Tianze Electric Power	September 2, 2026	September 1, 2027	World Wide Inspection & Calibration
13	Insulated Ladder	Zamil	May 5, 2026	November 4, 2026	World Wide Inspection & Calibration
14	JCB-94140	UK	February 10, 2026	February 9, 2027	World Wide Inspection & Calibration
15	Ladder Alluminium	Escalon	October 20, 2026	April 19, 2027	World Wide Inspection & Calibration
16	Mini Excavator-18067	Zoom	April 16, 2026	April 15, 2027	World Wide Inspection & Calibration
17	Hiab-96794	Nissan	December 23, 2025	December 23, 2026	World Wide Inspection & Calibration
18	Welding Torch with rubber hose	Express	August 12, 2026	August 11, 2027	World Wide Inspection & Calibration

Arbrit Safety training and consultancy L.L.C.

Highfield Qualifications

***Highfield* Qualifications**

Certifies that

Ravinder Singh Jaswal

has successfully passed an assessment in

Highfield Level 3 International Award in Emergency First Aid at Work and Use of an AED

Date of Assessment 20 December 2025

Date of award 20 December 2025

Certificate number FA9154055

Course Director

Arbrit Safety Training and Consultancy L.L.C

Training Organisation

This certificate is valid for 3 years from the date of award.

Richard Sprenger, Chairman
Highfield Qualifications

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Highfield Qualifications

Emergency First Aider plus Defib & CPR

Name: Ravinder Singh Jaswal

Delivered by: Arbrit Safety Training and Consultancy L.L.C

Certificate number: FA9154055

Date of award: 20 December 2025

Valid for 3 years from date shown.

Qualification awarded by: *Highfield Qualifications*

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Highfield Qualifications

Certifies that

Ravinder Singh Jaswal

has successfully passed an assessment in

Highfield Level 2 International Award in Fire Safety

Date of Award 06 January 2026

Certificate number FIR8672183

MERIT

Course Director

Arbrit Safety Training and Consultancy L.L.C

Training Organisation

Richard Sprenger, Chairman
Highfield Qualifications

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YELLOW ROSE
GENERAL MAINTENANCE-EST
REAL ESTATE والعقارات

REAL ESTATE

02 552 0805
050 884 89 72
yrgmrealest@gmail.com
Office 11, Plot-95, M33,
Mussafah, Abu dhabi, UAE
P.O.BOX: 13066.

YEARLY RENTAL AGREEMENT

REF No. YRGM/M20/P12/2026 **DATED: 07/10/2026**

LEASER DETAILS

LEASER	: YELLOW ROSE GENERAL MAINTENANCE EST.		
LICENCE	: CN-1053559	MOB. No	: 050 8848972
TEL No.	: 02 5520805	EMAILS	: yrgmrealest@gmail.com
P.O.BOX	: 13066		

TENANT DETAILS

TENANT	: FALCON MIDDLE EAST CONTRACTING & GENERAL MAINTENANCE SP.LLC		
LICENCE	: CN-1173223	MOB. No	: 050 2133753
TEL No.	:	EMAILS	: m.alshaer@falconme.ae

LEASED UNIT DETAILS

BUILDING NAME	: AL JABER BUILDING	EMIRATES	: ABU DHABI
AREA	: MUSSAFAH M20	PLOT NO.	: 12
UNIT NOS.	: 6 ROOMS	UNIT TYPE	: 6 ROOMS@ BLOCK
USAGE	: STAFF ACCOMMODATIONS		
ROOM NUMBERS	: S36, S37, S38, S39, S32, S33		

AGREEMENT DETAILS

RENT AMOUNT	: AED 172800/-	VAT 5%	: AED 8640/-
SECURITY DEPOSIT	: AED 5000/-	VALIDITY	: 1 YEAR
STARTING DATE	: 10 OCTOBER 2026 :	END DATE	: 09 OCTOBER 2027

PAYMENT TERMS & DETAILS

3 PAYMENTS (1 CURRENT CHEQUE + 2 POST DATED CHEQUE)

FALCON Abu Dhabi - U.A.E. Middle East Cont. & Gen. Maint. L.L.C

YELLOW ROSE GEN. MAINT. EST. P.O.Box: 26840 ABU DHABI U.A.E.

SIGNATURE OF TENANT **SIGNATURE OF LEASSER**

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REAL ESTATE

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050 884 89 72
yrgmrealest@gmail.com
Office 11, Plot-95, M33,
Mussafah, Abu dhabi, UAE
P.O.BOX: 13066.

LEASE AGREEMENT

This Lease agreement is dated on 07th October 2026 and made between:

Leaser

M/S. YELLOW ROSE GENERAL MAINTENANCE (Commercial License No. CN—1053559)

P.0 Box: 13066, Mussafah, Abu Dhabi, United Arab Emirates

Phone: 050 8848972 / 050 8201944 / 050 7919057 **Email**: yrgmrealest@gmail.com

Represented by Mr.Jayaram K M & Mr. Kassim K (hereinafter referred to as the "First Party / Lessor")

Tenant

M/S. FALCON MIDDLE EAST CONT. & GEN. MAINT. SP LLC (Commercial License No. CN-1173223)

Abu Dhabi, United Arab Emirates

Phone: 050 2133753 **Email: m.alshaer@falconme.ae**

(hereinafter referred to as the "Second Party/ Tenant").

Premises: 6 Rooms with attached bathroom and toilet, including a common kitchen and dining hall in Plot No. 12 Mussafah M20 is owned by First Party. The First party intends to lease the mentioned premises to second party on agreed **terms & conditions given below**:

Terms: The Term of this lease is from 10-0ct-2026 To 09-Oct-2027 and will be renewed automatically for similar periods in the same conditions of this lease, unless one party notifies the other party in writing that it has no intention to renew the lease, not less than one month before the expiry date.

Rent Payments:

A) The Rent payable to the first party is **AED 181440/-**
(One Hundred Eighty One Thousand Four Hundred Forty Dirhams Only)

B) The Security Deposit paid to the first party is **AED 5000/-**
(Five Thousand Dirhams Only)

Payment Method: Cheques should be issued in the name of the first party **"M/s YELLOW ROSE GENERAL MAINTENANCE"** in 3 installments. Rental cheques should be submitted at the time of signing of the contract.

Tenant Address & Details of Work: The Tenant's address referred to above is the address that all correspondence shall be sent to. The Landlord shall be informed immediately in case of any change in the address or contact numbers mentioned above

Tenant's Covenants: The Tenant represents to the landlord the permitted use:

A) The Tenant shall use the premises for the purpose of residential accommodation for the tenant, and it may not use the premises for other purposes.
B) Tenant shall use and maintain the premises as a usual person shall do. The tenant shall be responsible for any damage or loss arising from use of the premises other than the Residential Use.
C) Upon expiry of this lease, the Tenant shall return the premises in the same condition at the time of contracting, **except loss or damage due to reasons outside its control.**
D) The Tenant acknowledges that if it wants to evacuate or leave the premises before the expiry date, it shall not be entitled to claim any rent for the remained period.
E) In event of any unforeseen circumstance beyond control, such as a notice or directive issued by the Municipal Authorities or any other government body, requiring the camp to be vacated prematurely, the balance rent amount, calculated on a pro-rata basis & after considering the actual period of occupancy, balance will be returned accordingly by the Leaser
F) The Tenant shall not be entitled to sublease the premises to third party and shall not violate laws and regulations currently in force or to be in force in the UAE.
G) The Landlord is not responsible for any of damages during the tenant's rented period even in case of fire, death or theft arising from your staff or inside the rooms
H) The Tenants are not allowed to accommodate more than the allowed persons. i.e. **maximum 8 persons per room.**
I) The Tenants are not allowed to use Electric Cooking Machines like induction cooker in kitchen or inside the room.

02 552 0805
050 884 89 72
yrgmrealest@gmail.com
Office 11, Plot-95, M33,
Mussafah, Abu dhabi, UAE
P.O.BOX: 13066.

Leaser's Covenants: The Landlord undertakes to provide the following services

J) The Leaser shall pay expense for water and electricity consumptions.
K) Common area repairs, maintenance, full general maintenance and repair inside the premises and 24/7 watchman provided.
L) The Leaser shall provide coin operated washing machines.

Termination: Either party shall be entitled to immediately terminate this Lease before expiry date in the following cases:

A. If the other party substantially breach the terms of the lease and did not correct such breach within one month of receipt of written notice from the landlord indicating the breach mentioned.

B. If the other party becomes bankrupt or enters liquidation process, or a receiver has been appointed for it, or if it concluded a settlement or shield from bankruptcy agreement with its creditors, or if its properties become subject to any retention or reservation.

Notices: Any notice, correspondent or request given or made by to the landlord or the tenant under this lease shall be in writing and shall be served by delivering it personally or courier or email to the party, due to receive such notice at its address set out in the particulars (or such other address as either party may subsequently advise the other in writing). Any such notice, correspondent or request sent shall be deemed to have been received after seven days of sending it, or if delivered personally, at the time of receipt by or on behalf of the tenant , or on the date of delivery to the address indicated in the lease (or such other address as either party may subsequently advise the other in writing).

Amendments: Any variations to this Lease shall not be deemed effective unless in writing and signed by both parties.

Law & Jurisdiction: Any dispute between the parties in connection with or arising out of this Lease shall be settled amicably by both parties. If the parties couldn't reach an amicable settlement, the dispute shall be settled by the committee of rent disputes settlement in the emirate of Abu Dhabi, where the applicable law enforce a settlement by such committee (or any other entity prescribed by the applicable law). If any dispute arises regarding the interpretation of the provisions of this contract, the Arabic text shall prevail

Further Provisions: The Landlord have the right to take all appropriate legal action to maintain his rights in the following cases:

A) Non-renewal of the lease and non-payment of rent after a month of expiry date.
B) Returning any cheques provided by the tenant in due dates for any reason.
C) Violation of the tenant to any provision of this Lease.

Observations: This Amount is including Electricity & Water. The property will have 24/7 security services. Common areas will be cleaned regularly to maintain hygiene and order. **Each room should accommodate a maximum of 8 persons only**. The Tenants are responsible for any kind of illegal Act or deed that happens inside the accommodation. In all cases, the tenant shall bear the consequent effects without any responsibility to the Landlord.

This Lease is executed in two copies, one for each party to act in accordance with.

We understand the importance of ensuring enforceability; however, attestation or registration of this lease with the relevant Abu Dhabi authorities (Municipality or Tawtheeq) is not applicable in this case.

For and behalf of the **LESSOR:**
M/S YELLOW ROSE GENERAL MAINTENANCE

Signature:

For and on Behalf of the **Tenant**:
M/s. FALCON MIDDLE EAST CONTRACTING & GENERAL MAINT. SP.LLC

Signature:

Full Name:

Project Name / No.	**D111661E**	**Client**	**TAQA**
Location / Work Area	**Dihan North, Farm 507**	**Date / Time**	**24-Sep-2026**
Project Manager	**Tariq Badran**	**HSE Representative**	**Ravinder Singh Jaswal**

1. WALKTHROUGH CHECK LIST :

HSE Inspection Item	Status (C / NC / NA)	Comments / Action Required
Housekeeping, access/egress, walkways and material storage	**C**	
PPE compliance and workforce safety awareness	**C**	
Valid PTW, approved MSRA/JSA and toolbox talk at work locations	**C**	
Excavation / underground services controls, barricading and permits (where applicable)	**C**	
Lifting operations, equipment certification, operator competency and exclusion zones (where applicable)	**C**	
Electrical safety, isolation / LOTO, cable and temporary power arrangements	**NA**	
Tools, plant and equipment inspection, maintenance and safe condition	**C**	
Emergency arrangements: access, assembly point, fire extinguishers and first aid	**C**	
Welfare, drinking water, sanitation and heat-stress controls	**C**	
Environmental controls: waste, spills, dust and noise	**C**	

2. OBSERVATION AND ACTION PLAN:

No.	Observation / Finding	Corrective Action	Responsible Person	Target Date
1	Lifting Operation are conducted as per Approved Lifting Plan	Positive Observation		
2	All the worker in Proper PPE at site	Positive Observation		

3. OVERALL ASSESSMENT

☑ Satisfactory ☐ Improvement Required ☐ Immediate Action Required

Summary of walkthrough: **Close Monitoring and supervision required at site**

4. MANAGEMENT COMMITMENT

Senior management confirms commitment to provide the necessary resources, ensure timely close-out of identified actions, and promote continual improvement in HSE performance. All findings shall be tracked to closure and supporting evidence retained.

5. SIGN-OFF

Project Manager	Project Engineer	HSE Representative
Name: Tariq Badran	Name: Saddam Masood	Name: Ravinder Singh Jaswal
Signature: 	Signature: 	Signature: 
Date: 24-Sep-2026	Date: 24-Sep-2026	Date: 24-Sep-2026

Smart Way Safety CONSULTANCY LLC

CERTIFICATE FOR THROUGH INSPECTION OF FIRE RATED PORTA CABIN (CARVAN)

Certificate Number: SWSC2026800027482364950	**Job Order Number :- SWC-08-9540**
Name & Address Of Owner Of Equipment	
FALCON MIDDLE EAST CONTRACTING AND GENERAL MAINTENANCE	
Location: ABU DHABI, UAE	**Type Of Inspection:** Periodic

Description	Serial number / ID	SWL
PORTA CABIN (CARVAN) ALL STEEL WELD CONSTRUCTED PORTABLE CARVAN WITH 4 NOS OF LIFTING POINTS AT BOTTOM **Fire Proofing Inspection** **Fire Rating: 1Hour** Dimensions:30mx9.50m Pad Eye: 9x 64 mm (Thickness x Hole Dia) **QUANTITY: 01 nos**	**H2002**	**7.0 T**

Test Equipment Ref	Previous Inspection Ref:	Date of Inspection	Date of Next Inspection
SWC-DMM-04	**NA.**	**05-09-2026**	**04-09-2027**

Result:-

SATISFACTORY AT THE TIME OF INSPECTION

This Certificate Becomes Invalid, If Any Alteration/Repair/Modification Is Made.

THIS IS TO INFORM YOU: that the undersigned a surveyor or representative did attend to examine this caravan to assure that it is in safe condition. Examination indicate that the said caravan has no indigenous defects or sighted deformation and in safe condition. The said Caravan is found to be satisfactory for further use, provided there is continuous maintenance applied.

This certificate is granted subject to the condition that is agreed & understood. **SMART WAY SAFETY CONSULTANCY LLC** liability shall be limited to the act or premises of its employees, subcontractors. Under no circumstances whatsoever shall **SMART WAY SAFETY CONSULTANCY LLC** be liable for any injury or damage to any person or occurring by reason of negligent operation or any defect in materials, machinery, equipment or other items other than such defects ascertainable normally.

We hereby report that all particulars in this report are correct at the time of test/inspection. Daily inspection & operational maintenance is the sole responsibility of the users.

Inspected By :

Eng.

Inspection Engineer

DUBAI U.A.E.

This certificate shall not be reproduced except in full without the approval of **SMART WAY SAFETY CONSULTANCY LLC**

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Tel: +971 4 447 4160, Mob: +971 55 633 4015, Email: info@smartwaysafetycons.ae | www.smartwaysafetycons.ae

FALCON Middle East	**Nonconformity/observation and Corrective Action Register**	Doc # : FALCON-PRO-04-FRM 02 Rev# : 01 April 2026

NCPAR #	Date Issued	Issued by	Issued to	Details of NC	Type of NC	Classification of Findings	Status	Remarks
001/2026	13-08-2026	HSE	Project Engineer	No approved MSRA are found during audit and all MSRA need to revise with new TAQ format	Internal Audit (1st Party)	Major	Open	Open (awaiting for approval from TQD)
002/2026	13-08-2026	HSE	Project Engineer	No approved HSE plan found as per new format of TQD	Internal Audit (1st Party)	Major	Open	Open (awaiting for approval from TQD)
003/2026	13-08-2026	HSE	Project Engineer	Legal Register not updated for the project	Internal Audit (1st Party)	Major	Closed	
004/2026	13-08-2026	HSE	Project Engineer	Need more online reporting of unsafe act, unsafe condition and Positive observation as per the requirement of TAQ, KPIS 2026	Internal Audit (1st Party)	Opportunity for Improvement	Closed	Training Session conducted with CP to more reporting required as per TQD KPIs