



# Lusail Real Estate Development Company

Health, Safety, Security, Environment, Logistics & Quality  
Department

## Lusail Construction Safety Procedural Form/Checklist – Site Monitoring Report (*Developer*)

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### COMPANY PROPRIETARY INFORMATION

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S. No	Location	Remarks/Comments	Photos
<b>1.0 CRITICAL</b>			
<b>Fall Prevention</b>			
<b>Fall Protection</b>			
<b>Scaffolding</b>			
<b>Vehicle Management</b>			
<b>Construction Plant Management</b>			
<b>Lifting Operations</b>			
<b>Fire Prevention &amp; Protection</b>			
<b>Electrical Safety</b>			
<b>Stored Energy</b>			
<b>Safety Devices</b>			

S. No	Location	Remarks/Comments	Photos
<b>2.0 Serious</b>			
<b>Excavations/Trenching</b>			
<b>Piling/HDD Operations</b>			
<b>Confined Spaces</b>			
<b>Hot Works</b>			
<b>Man-Lifts</b>			
<b>Communication</b>			
<b>Compressed and Liquefied Gas Cylinders</b>			
<b>CoSHH</b>			

<b>Buried Services</b>			
<b>Waste Management</b>			
<b>Emergency Planning</b>			

S. No	Location	Remarks/Comments	Photos
<b>3.0 Standard</b>			
<b>Spill Prevention</b>			
<b>Manual Handling</b>			
<b>Small Tools</b>			
<b>Noise/Vibration</b>			
<b>Welfare</b>			

<b>Housekeeping</b>			
<b>Material Storage</b>			
<b>Working in/near Water</b>			
<b>Night-Work &amp; Lighting</b>			
<b>PPE</b>			
<b>Occupational Hygiene</b>			
<b>Note:</b>			
<b>Inspector:</b>			<b>Date:</b>
<b>Distribution:</b>	<input checked="" type="checkbox"/> PM	<input checked="" type="checkbox"/> CM	<input checked="" type="checkbox"/> Tech Mang

CRITICAL CATEGORY	
TOPIC	ASSESSMENT CRITERIA
Fall Prevention	Edge protection in place (top & mid-rail, toe-board, orange mesh); strength of barriers (200 lbs 90.7 kg); stairs, risers, floor / wall openings covered and secured; warning signage; access; barricades 1.8m from edge of trenches/excavations; ladders extend 1m above platform; ladders tied or footed; no stepladders outside; inspection & color coding
Fall Protection	Suitable approved anchorage point; engineering calculations; fall restraint or fall arrest; lifeline of 12mm SWR; retractable device (yo-yo) located above shoulder height; 2 x lanyards; connectors closed; clipped off; harness fitted correctly; proof of training; proof of inspections; color coding; safe working zone barricaded below; rebar capped;
Scaffolding	Only competent scaffolder can erect/modify/dismantle; 3rd party license; top rail 38-45"; mid-rail; gap of no more than 19"; toe board min 3.5"; working platform min 18" wide; gaps of no more than 9.5"; access ladder tied; completed inspection tag; bracing; stable footing; tied-in or rakers; engineering calculations for hung/suspended/birdcage/cantilever; mobile towers wheels locked; not being moved with people on; platform not overloaded/cluttered;
Vehicle Management	One-way traffic circuit; minimized reversing; controlled loading/unloading areas; pedestrian segregation; visible crossing points; speed restriction control measures; blind spots; licenses; control of keys; seatbelts; driving & mobile phone use; headlights; daily inspections; tyre changing; vehicle servicing; refueling procedures; grounding during refueling; servicing bays; transportation;
Construction Plant Management	3rd party trained operators; licenses; physical protection of banks-man/spotter; servicing/maintenance regime; daily inspections; breakdown procedure; supervision; air pollution; dust control; specialist equipment 3rd party inspections; alarms/flashing beacons; compressed air whip-checks; control of filters; correct cottle pins & safety clips
Lifting Operations	Lift plan/calculations; Safe working zone; outrigger pads; competent crane operator & rigger; license for specific crane; 3rd party inspection; inspected & color coded rigging; safety latches on all hooks; means of communication (tower cranes); no-one under suspended load; tag-line;
Fire Prevention & Protection	Sufficient travel distance; fire routes & exits clear; fire-fighting equipment & detection equipment inspected & serviceable; emergency signage; assembly point; no smoking; control of flammable materials; appointed fire wardens; emergency water source/hydrants; PAT testing; emergency drills;
Electrical Safety	Competent electrician; contact details; isolation; LOTO; permit to work; security of panels & distribution boards; warning signage; grounding; cable protection; GFCI's/RCD's; mixing of colored systems; 110V where practicable; damaged electrical tools; cable splicing; damaged plugs/sockets; missing blank panels; protected lighting; goalposts; inspections; color coding
Stored Energy	Competent person; permit to work; LOTO; authorized issuer; physical device; warning signage; key security
Safety Devices	Removal/defeating/tampering of: fire extinguishers; first aid kits; smoke/heat detectors; trip/limit switches; guards; warning alarms; flashing beacons; small tool handles; fixing triggers in "on" position;
SERIOUS CATEGORY	



TOPIC	ASSESSMENT CRITERIA
Excavations / Trenches	Appointed competent person; sloped to correct angle (38)/benched/shored/piled; inspected daily by supervisor; access every 7.6m; barricades & signage; stop-blocks; geotechnical report for deeper than 20'; dewatering 24hours before; spoil min 2m from edge
Piling / HDD Operations	Geotechnical report; 3rd party trained operator; piling rig mat; goalposts 10/20m; controlled access zone; whip-checks 1474kg; 12' 3.6m exclusion zone during operation; excavations within 25m inspected daily by competent person; annual audiometric testing; double hearing protection; manual handling training; control of slurry pit;
Confined Spaces	Nominated competent entry supervisor; trained attendant present; secure access; permit to entry logbook; air testing O2 19.5 – 23.5%; every 15 minutes; emergency rescue equipment; IRT trained; trained workers; ventilation; lighting; communications; hazards of actual work
Hot Works	Certified welders; trained power tool operators; hot work permit; welders coveralls; assistant wearing same PPE; fire-watch 30 minutes; welding screens; electrode stub container; milk supplement; protection of flammables; cable condition; grounding of generator/circuit; gas cylinder storage; upright; secured; caps; wrench; flashback arrestors; shade; jubilee clips; gauges working
Man-Lifts	3rd party certificate; trained operator & license; emergency trained person on ground; work zone cordoned off; daily inspection checklist; firm even surface; body harness clipped off to anchor point; short lanyard; sides of basket clear; wind conditions; fire extinguisher; basket tidy
Communication	Training schedule; training records; toolbox talks; risk assessments; method statements; other plans; pre-task briefings; safety noticeboards; poster campaigns; statement of intent/policy displayed; vision/mission statement; violation notices; general site rules displayed
Compressed and Liquefied Gas Cylinders	Secured, used, stored and transported in an upright position at all times; capped at all times, except when a cylinder is in service; stored/located away from sources of ignition to avoid exposure to sparks, hot slag, or flames, or, if these cannot be avoided, fire-resistant shields provided; welding gases stored in well ventilated, isolated areas and segregated by type of gas (e.g. oxygen, acetylene); labelled detailing their contents; stored in well-protected, ventilated, dry locations, at least 20 feet (6.1 meters) (unless protected by a wall at least 5 feet/1.5 meters high having a fire-resistance rating of at least one hour) from highly combustible materials and combustible gas cylinders, and away from egress routes such as stairways and elevators; protected against exposure to high temperature extremes and/or shock
CoSHH	Concreting; spray-painting; sand-blasting; MSDS HSE, store man & first aider; original containers; non-compatible substances segregated; correct PPE/RPE as per MSDS; storage as per MSDS including quantities; shaded/cooled
Detection of Buried Services	Permit to dig; maps/drawings; pilot holes; markers; cat & genny; hand digging;
Waste Management	Sufficient skips/receptacles; regularly emptied; food receptacles have lids; waste segregation (recycling); control of used batteries/tyres/oils/fluorescent lights
Emergencies	Emergency preparedness plan; security; coordination with local emergency authorities; emergency drills; map at entrance; first aiders 1:50; first aid points; first aid register;
STANDARD CATEGORY	
TOPIC	ASSESSMENT CRITERIA
Spill Prevention	Hazardous storage area; 10m from water sources; 110% volume banded; impermeable refueling area; spill kits; public road access cleaned; drip trays for semi-permanent equipment's; dust control; discharge to water permits; re-vegetate earthworks

Manual Handling	Material handling equipment; mechanical aids; training; MHO risk assessment; materials head height 5kg, waist height 15kg; suitable gloves
Small Tools	No hand-made; electrical inspected & color coded; control of defective tools; no sitting on ground; 110V tools; safety devices; abrasive wheels competent person; loose clothing; control of powder actuated cartridges; competency;
Noise/Vibration	85 dB(A); 30m from offices; noise level survey; hearing protection zone; signage; PPE available; task rotation; maintenance/servicing program; training quarterly
Welfare	Shade; cool potable water; water hygiene; filters; cleaning of containers; toilets 2:25, 4:50, 6:100; cleaning schedule; food hygiene; eating areas; hand hygiene; illness records; smoking shelter
Housekeeping	Schedule; combustible/flammable each shift; 1 day's supply of material at work front; de-nailing of timber; burning of waste forbidden; Loose materials on the edges of the building
Material Storage	Security; loading/unloading bay; speed limits; POLVID; 225mm pipes – 6 layers; sharp edge protection; pallets 3m high; banding & packaging waste; 5m between stores; segregated hazardous/non-hazardous; shelving; 3 x min base width height for stacking; 36" aisle width; shelving SWL;
Working in, adjacent or near to Water	Permits; dredging plans; 3' – diving operations; waste dumping; spill prevention for equipment's; flotation devices; access/egress; emergency egress; life-rings every 50m; training; emergency drills quarterly; cofferdams engineering calculations; 3rd part certificate for vessels
Night-work & Lighting	Approval for night-work; light meter survey; 100 lux general construction; 300 lux power tools; 2 separate sources; feeding & welfare arrangements
PPE	Storage; minimum requirements; color coding; helmet stickers; electricians footwear; training
Occupational Hygiene	Health Facility; Records and Documentations; Drinking Water; Washing Facility; Sanitary Facility; Mess Area/Rest Area