

Temporary Construction Facilities (T.C.F) HSE CHECKLIST

S.N	Items	Satisfied		Recommendations
		Y	N	
1.0 GENERAL				
1.1	All building shall be upwind to process areas	<input type="checkbox"/>	<input type="checkbox"/>	
1.2	All building to be located safe distance from flare radiation zone	<input type="checkbox"/>	<input type="checkbox"/>	
1.3	All building shall be grounded to a separate grounding system	<input type="checkbox"/>	<input type="checkbox"/>	
1.4	Safe accessibility and maintainability to all TCF buildings.	<input type="checkbox"/>	<input type="checkbox"/>	
2.0 WAREHOUSE				
2.1	Warehouses shall be designed DOWNWIND to any naked flame activities such as fabrication workshops or flare and UPWIND to septic tank.	<input type="checkbox"/>	<input type="checkbox"/>	
2.2	Concrete sleepers/foundation which will be used for storage project material shall be provided with END Stoppers	<input type="checkbox"/>	<input type="checkbox"/>	
2.3	Loading and unloading maneuvering area shall be considered.	<input type="checkbox"/>	<input type="checkbox"/>	
2.4	Ventilation and illumination means shall be considered.	<input type="checkbox"/>	<input type="checkbox"/>	
2.5	Sufficient and suitable ABC fire extinguishers shall be availed and to be distributed evenly every 10 meter as per NFPA code and to be located and lifted a distance from ground to avoid rust and damage "maximum highest to the fire extinguisher point of fixation is 3 feet from ground ".)	<input type="checkbox"/>	<input type="checkbox"/>	
2.6	Location and fixation of fire extinguishers for a separate partition shall be considered.	<input type="checkbox"/>	<input type="checkbox"/>	
2.7	Chemical storage area shall be considered and to be paved and shaded from all sides.	<input type="checkbox"/>	<input type="checkbox"/>	
2.8	Cold room area shall be considered and to be fulfilled with all HSE requirements/HVAC	<input type="checkbox"/>	<input type="checkbox"/>	
2.9	Sufficient toilette units shall be provided according to Egyptian health code (1-15	<input type="checkbox"/>	<input type="checkbox"/>	

	Personnel ----1 Toilet Unit, 16-40----2 Toilet Unit, 51-70--- 3 Toilet Unit, One Unit for each extra 40 personnel and number of soap dish is half of toilet units)			
2.10	Toilet units shall be provided with smoke detectors.	<input type="checkbox"/>	<input type="checkbox"/>	
2.11	Standard safety signs and pictograms shall be distributed everywhere (No smoking, emergency communication team, emergency directory telephones, call out chart, ..etc)	<input type="checkbox"/>	<input type="checkbox"/>	
2.8	First aid kit shall be availed and to be provided with medical requirements as per COMPANY specifications.	<input type="checkbox"/>	<input type="checkbox"/>	
2.9	Standard safe access and egress to warehouses shall be erected	<input type="checkbox"/>	<input type="checkbox"/>	
2.10	Minimum TWO emergency exits shall be considered	<input type="checkbox"/>	<input type="checkbox"/>	
2.11	All emergency exit doors shall be provided with illuminated emergency exit sign and emergency open push bar and to open outward.	<input type="checkbox"/>	<input type="checkbox"/>	
2.12	Manual emergency siren shall be availed and to posted with marking sign.	<input type="checkbox"/>	<input type="checkbox"/>	
2.13	Muster point and direction arrows shall be installed and clear to all site personnel and to be marked inside warehouses.	<input type="checkbox"/>	<input type="checkbox"/>	
2.14	Warehouse shall be provided with a firefighting system, detection, and alarm system and addressable panel to identify the location of fire alarm and control the fire in case of emergency (Addressable Panel, Fire Water pump, Fire network, Fire hydrant, Fire hose reel box and emergency manual bell).	<input type="checkbox"/>	<input type="checkbox"/>	
2.15	All electrical distribution panels shall be provided with ELCB or GFCI.	<input type="checkbox"/>	<input type="checkbox"/>	
2.16	All HVAC and building shall be provided with standard earthing system.	<input type="checkbox"/>	<input type="checkbox"/>	
2.17	Standard and sufficient metal ladders for safe access to material shelves shall be availed.	<input type="checkbox"/>	<input type="checkbox"/>	
2.18	Manual hydraulic lifting tool 5 ton shall be availed			

3.0 TEMPORARY OFFICES

3.1	Sufficient and suitable ABC fire extinguishers shall be availed and to be distributed evenly every 10 meter as per NFPA code and to be located and lifted a distance from ground to avoid rust and damage "maximum highest to the fire extinguisher point of fixation is 3 feet from ground ".)	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	Location and fixation of fire extinguishers for a separate partition shall be considered	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	All offices, toilet units and open areas shall be provided with smoke detectors except kitchen to be provided with heat detector and fire blanket.	<input type="checkbox"/>	<input type="checkbox"/>	
3.4	First aid kit shall be availed and to be provided with medical requirements as per COMPANY specifications	<input type="checkbox"/>	<input type="checkbox"/>	
3.5	All emergency exit doors shall be provided with illuminated emergency exit sign and emergency open push bar and to open outward	<input type="checkbox"/>	<input type="checkbox"/>	
3.6	Manual emergency siren shall be availed and to posted with marking sign	<input type="checkbox"/>	<input type="checkbox"/>	
3.7	Muster point and direction arrows shall be installed and clear to all site personnel and to be marked inside office	<input type="checkbox"/>	<input type="checkbox"/>	
3.8	TCF shall be provided with a firefighting system, detection and alarm system and addressable panel in order to identify the location of fire alarm and control the fire in case of emergency (Addressable Panel , Fire Water pump, Fire network , Fire hydrant, Fire hose reel box and emergency manual bell).	<input type="checkbox"/>	<input type="checkbox"/>	
3.9	Addressable Fire Detection & Alarm system with all related cabling & devices	<input type="checkbox"/>	<input type="checkbox"/>	
3.10	Shaded area for ambulance car shall be considered	<input type="checkbox"/>	<input type="checkbox"/>	
3.11	Electrical power networks inside buildings including all required cabling, conduits, boxes, panels, outlets, accessories and finishing works.	<input type="checkbox"/>	<input type="checkbox"/>	
3.12	Buildings Lighting systems including all connections, distribution, fixtures, switches, panels, finishing, ...etc.	<input type="checkbox"/>	<input type="checkbox"/>	
3.13	Data and telecommunication networks inside buildings including all required cabling,	<input type="checkbox"/>	<input type="checkbox"/>	

	conduits, boxes, panels, outlets, accessories and finishing works.			
3.14	All plumbing works and devices/ fixtures/ electrical water heater for all toilets and kitchen facilities complete with all accessories	<input type="checkbox"/>	<input type="checkbox"/>	
3.15	Supply and installation of A/C copper piping, drainage piping and electrical connections with switches.	<input type="checkbox"/>	<input type="checkbox"/>	
4.0 FABRICATION WORKSHOP				
4.1	FABRICATION WORKSHOP shall be designed UPWIND to any process areas or any source of leakage.	<input type="checkbox"/>	<input type="checkbox"/>	
4.2	Pipe stands, supports /carriers shall be available.	<input type="checkbox"/>	<input type="checkbox"/>	
4.3	Ventilation and illumination means shall be considered (Blowers /Lights)	<input type="checkbox"/>	<input type="checkbox"/>	
4.4	Access and egress area shall be free and marked with identified color	<input type="checkbox"/>	<input type="checkbox"/>	
4.5	Sufficient and suitable ABC fire extinguishers shall be availed and to be distributed evenly every 10 meters as per NFPA code and to be located and lifted a distance from ground to avoid rust and damage "maximum highest to the fire extinguisher point of fixation is 3 feet from ground ".)	<input type="checkbox"/>	<input type="checkbox"/>	
4.6	Location and fixation of fire extinguishers shall be considered.	<input type="checkbox"/>	<input type="checkbox"/>	
4.7	Carrier design for all electrical and welding cables	<input type="checkbox"/>	<input type="checkbox"/>	
4.8	Design safe location for storage, handling all CG cylinders	<input type="checkbox"/>	<input type="checkbox"/>	
4.9	A proper grounding system	<input type="checkbox"/>	<input type="checkbox"/>	
4.10	A proper welding screen	<input type="checkbox"/>	<input type="checkbox"/>	
4.11	Standard safety signs and pictograms shall be distributed everywhere (No smoking, emergency communication team, emergency directory telephones, call out chart, ..etc)	<input type="checkbox"/>	<input type="checkbox"/>	
4.12	First aid kit shall be availed and to be provided with medical requirements as per COMANY. specifications.	<input type="checkbox"/>	<input type="checkbox"/>	

4.13	Standard safe access and egress to shall be erected	<input type="checkbox"/>	<input type="checkbox"/>	
4.14	EMERGENCY exits door shall be considered	<input type="checkbox"/>	<input type="checkbox"/>	
4.15	All emergency exit doors shall be provided with illuminated emergency exit sign and emergency open push bar and to open outward.	<input type="checkbox"/>	<input type="checkbox"/>	
4.16	Manual emergency siren shall be availed and to posted with marking sign.	<input type="checkbox"/>	<input type="checkbox"/>	
4.17	Muster point and direction arrows shall be installed and clear to all site personnel and to be marked inside warehouses.	<input type="checkbox"/>	<input type="checkbox"/>	
4.18	All electrical distribution panels shall be provided with ELCB or GFCI.	<input type="checkbox"/>	<input type="checkbox"/>	
4.19	Hydraulic OVERHEAD lifting CRANE ton shall be availed and to be provided with ESD, Remote, sensors , SWL , ..etc.	<input type="checkbox"/>	<input type="checkbox"/>	
4.20	Exhaust fans for all accumulated fumes	<input type="checkbox"/>	<input type="checkbox"/>	
4.21	Adequate lighting as per LAW 12/2013 (Luxe to be recorded)	<input type="checkbox"/>	<input type="checkbox"/>	
4.22	All generators to be NOISE a caustic suppression and Noise shall not exceed 85 DB on a distance 6 meter OR/AND to be isolated within enclosed building	<input type="checkbox"/>	<input type="checkbox"/>	
4.23	All generators shall be earthed and to be located on paved dike area	<input type="checkbox"/>	<input type="checkbox"/>	

5.0 GENERATORS (temporary power supply)

5.1	NOISE suppression DESIGN	<input type="checkbox"/>	<input type="checkbox"/>	
5.2	Earthing/grounding SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	
5.3	Dike /paved area /BOUNDING diesel	<input type="checkbox"/>	<input type="checkbox"/>	
5.4	Housing/isolation	<input type="checkbox"/>	<input type="checkbox"/>	
5.5	Safe guard for rotating parts	<input type="checkbox"/>	<input type="checkbox"/>	
5.6	Locked electrical panels	<input type="checkbox"/>	<input type="checkbox"/>	
5.7	Portable Firefighting system	<input type="checkbox"/>	<input type="checkbox"/>	
5.8	Oil Change Area	<input type="checkbox"/>	<input type="checkbox"/>	
5.9	ESD Push button	<input type="checkbox"/>	<input type="checkbox"/>	

5.10	Electrical cable connections	<input type="checkbox"/>	<input type="checkbox"/>	
6.0 SEPTIC TANK				
6.1	PVC OR PE tank material to be allowed	<input type="checkbox"/>	<input type="checkbox"/>	
6.2	Tank to be laminated by polyethylene sheet before buried.	<input type="checkbox"/>	<input type="checkbox"/>	
6.3	Tank shall be located DOWN WIND to offices and warehouse.	<input type="checkbox"/>	<input type="checkbox"/>	
6.4	Safe Accessibility and maintainability.	<input type="checkbox"/>	<input type="checkbox"/>	
6.5	Maneuvering area for discharging	<input type="checkbox"/>	<input type="checkbox"/>	
6.6	A proper piping connection	<input type="checkbox"/>	<input type="checkbox"/>	
7.0 MEDICAL				
7.1	Clinic	<input type="checkbox"/>	<input type="checkbox"/>	
7.2	Ambulance	<input type="checkbox"/>	<input type="checkbox"/>	
7.3	Walkie talki	<input type="checkbox"/>	<input type="checkbox"/>	
7.4	Ambulance car shed	<input type="checkbox"/>	<input type="checkbox"/>	
7.5	Doctor/nurse	<input type="checkbox"/>	<input type="checkbox"/>	
7.6	Design specification for clinic	<input type="checkbox"/>	<input type="checkbox"/>	
7.7	Pantry room	<input type="checkbox"/>	<input type="checkbox"/>	
7.8	Waiting room	<input type="checkbox"/>	<input type="checkbox"/>	
7.9	Medicine store	<input type="checkbox"/>	<input type="checkbox"/>	