

# Inspection Check List for: Scaffold

Risk assessment	
Frequency of the In-service inspection done by the user/owner	User
operation manual & Maintenance Record available upon request write either(• both available , • operation manual only)	Available
Labels and decals for operation on the lift write either(• available • owner provided )	Available
Previous 3rd party certificate if any write either(•New equipment (first inspection) • present and valid • present and invalid • Not available)	Available
Operator training proof write either ( • training certificate available• brief training provided by inspector• Experiences proof)	Na
Operator training proof write either ( • training certificate available• brief training provided by inspector• Experiences proof)	Na
Appropriate PPE for the operator write either( • helmet • shoes , • harness, • safety reflection jacket)	Safe
Is the environmental contain any hazardous conditions such as, extreme humidity, dust,sand, salt air,etc. write either ( • air conditioning• periodic break• water present• supervision • safety goggles)	Safe
Is the location is next foot walks or traffic workstation or public areas write either ( • present , • site condition not required)	Safe
Isolate all area, and put sign board for inspection progress write either ( • present • site condition not required)	Safe
Manufacture documents matching the lift installed write either ( • yes matching • verification with the manufacture after inspection)	Na
Ensure the foundation/test area floor is adequate and leveled write either ( • leveled , leveled with ease of facility/equipment)	Safe
Housekeeping , where applicable write either ( • clear • clear after rectification)	Safe
Wind speed within the limits (12.5 m/s) write either ( • within the limit , • waiting to be reduced)	Safe
Hazards from electrical lines write either ( • obstruction provided • safe distance)	Safe
Approval from structure engineer/authority for the foundation write either(• approval available • inspector verification on the foundation (torque test for bolts & visual inspection))	Na
Adequate lighting	Safe
Preform tools box meeting	Done
Falling form height hazard write either ( • safety harness worn • barrication provided)	Safe
Is there any Mechanical hazards, Generated by machine parts or work pieces such : shape, inadequacy of mechanical strength, Crushing, impact, contact of person with machine.	Na
Scaffold-Working Platform	
Signs for cracks , deformation , cracks	Safe
Check base condition underneath the platform	Safe
Clear of rubbish, debris and obstructions	Safe
Level is within 5o from the chassis	Safe
Fall hazards protection , guide rails 1.1 m , toe board 0.15 m , inter-mid rail 0.55 m	Safe
Platform made from non-flammable material	Safe
Opening of the working platform shall be always inwards , sutiable with a locking device	Safe
minimum access opening is 420W,800H mm	Safe
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Slip resistance floor	Safe
Scaffold-Documentation.	
Previous inspection Report.	Safe
Design / Drawings.	Safe
Design Calculation.	Safe
Scaffold-Foundation.	
Scaffolding been setup according to the manufacture instruction.	Safe
Ground Condition, Soft, Sandy, Hard , Leveled , Concrete.	Safe
Back Propping if Required.	Safe
Sole board Size (1000 cm2 , min width : 225 mm, min thickness : 38 mm)	Safe
Sole Board , Split Crack, Deformation, Cavity underneath,....etc.	Safe
Foundation is level and properly compacted.	Safe
Slope tolerance 1:5 or 11 degree.	Safe
Scaffold Structure is away from excavation, Water, Overhead Electrical power lines and other Restriction.	Safe
Check standard plumpness or any sign of buckling.	Safe
Vertical Green net and fan are attached with scaffold.	Safe
Scaffold Tag.	Safe
Scaffold-Couplers base plate spigot pin	

Tightening torque of screw coupler 50 N.m and wedge coupler is 500 g hammer	Safe
Gap b/w closing flap and body 2 mm	Safe
Minimum bolt size of coupler 12 mm.	Safe
Washer and nut flange thickness not less than 2.5 mm.	Safe
Centering device of base plate min length 50 mm, Max play between tube and centering device 11 mm	Safe
Base Plate Size (150 cm <sup>2</sup> , min width: 120 mm thickness 6 mm).	Safe
Base Jack , Centrally positioned , Overlap.	Safe
Overlap length b/w standard joints 150 mm, if 100 mm Locking device provided.	Safe
Scaffold- Electrical Power.	
The safe distance is maintained from the electrical power lines Min distance 3m.	Safe
Scaffold height more than 20 m is protected from Electrical Power Line and Earthling is provided.	Safe
Electrical Distribution boards close to structure are insulated from the structure.	Safe
Scaffold-Access.	
Safe access is provided for all scaffold platform, Ladder , Stairs and Construction hoist.	Safe
Stairway dimensions: (step 125 ? step	Safe
Incline Ladder : Step spacing 230 mm ? t ? 300 mm; Step depth d > 80 mm; Rung spacing 230 mm ? t ? 300 mm; Rung depth 20 mm ? d ? 80 mm; Minimum clear width 280 mm;	Safe
Maximum vertical distance between different platforms 4,2 m. Maximum distance between the ground and the first platform 4,6 m.	Safe
Ladder positioned on 75 degree or slop (4:1).	Safe
Access opening (450 mm wide, 600 mm length).	Safe
Trap Door.	Safe
Ladders adequately secured at top and bottom, (Lashings or Clamps).	Safe
Ladder Extension above Platform (1.05 m).	Safe
Check the handrail, toe board provided along the access.	Safe
Scaffold-Standard, Ledger, Transom.	
Standard is vertically positioned with correct spacing (according to design)check for plumpness and buckling.	Safe
Overlap length in joints between standards shall be at least 150 mm. It may be reduced to a minimum of 100 mm if a locking device is provided.	Safe
The play between the nominal inner diameter of the tube and the nominal outer diameter of the spigot is not greater than 4 mm. (Max tube size 60 mm)	Safe
Prefabricated tubes nominal outside diameter of 48,3 mm wall thickness ? 2,0 mm.	Safe
Physical condition of Components.	Safe
Ledger are horizontally leveled with correct spacing (According to design).	Safe
Transoms are horizontally leveled with correct spacing (According to design).	Safe
Standard Vertical to within ± 20 mm in 2 m, (Subject to maximum deviation of 50 mm).	Safe
Bay Length and width ± 200 mm on designated lengths Level to within ± 20 mm in 2 m, (Subject to a maximum total deviation of 50 mm).	Safe
Elongation of tube 24%.	Safe
Straightness of any tube length (L) shall not exceed 0,002 L.	Safe
Deviations from straightness over any one meter length shall not exceed 3 mm.	Safe
Tube outside diameter is 48,3 mm and the specified wall thickness is 3,2 mm for type 3 and 4,0 mm for type 4.	Safe
Tolerance on specified outside diameter is +/-0,5 mm.	Safe
Tolerance on wall thickness is -10 %.	Safe
Nominal mass per unit length of type 3 tube is 3,56 kg/m and for type 4 tube 4,37 kg/m. mass deviation on a single tube shall not exceed -7,5 % of the specified mass	Safe
Scaffold-Platform.	
Platforms free from obstruction, slip resistance.	Safe
Platform Secured against dangerous displacement e.g. unintended dislodging or uplifting by wind forces. Connection by Clamps or Lashes.	Safe
Min Distance b/w platforms 1.90 m.	Safe
Plywood for platform units shall have at least five plies and a minimum thickness of 9 mm.	Safe
Platform Front Edge Distance (35 cm). (if distance more guardrail provided).	Safe
Are planks in good condition.	Safe
Are planks adequately secured where they overlap.	Safe
platform bays being used to stack/store materials e.g Bricks, Does the weight of these material exceed the rated W.L.L per platform bay.	Safe
Are the planks are free from split , slope of grain, spike knot, paint, wrapped, twisted, worn, damage iron hoop.	Safe
Scaffold plank dimension 225 mm (+ 5 mm) width 38 mm(+2 mm) or 63 mm(+3 mm).	Safe
Access gate or trap gate is provided on each platform.	Safe

Scaffolding is fully planked with no gap more than 25 mm between planks.	Safe
Platform planks overlap (15 cm to 30 cm).	Safe
Platform End Plank over Hang (15 cm to 30 cm).	Safe
Clear Distance b/w platform to tie member (1.75 m).	Safe
Platform is level as practicable.	Safe
Elastic Deflection 1/100 or 25 mm from adjacent platform.	Safe
Lift Height $\pm$ 150 mm on the designated height.	Safe
Node	Safe
<b>Scaffold-Side Protection.</b>	
Toe board at least 150 mm above the adjacent level of working area.	Safe
Toe Board Height 150 mm (Gap in toe board not exceed 25 mm).	Safe
Fencing Structure 100 cm <sup>2</sup> (Horizontal dimension of each hole or horizontal slot shall not exceed 50 mm.).	Safe
Horizontal distance b/w toe board outer face and the inner face of the guardrail 80 mm max.	Safe
Intermediate side protection at least 470 mm above the adjacent level of working area. Capable to resisting downward load 1.25 kn (127 kg).	Safe
Principle guardrail height 950 mm -1150 mm (resisting downward load 1.25 kn (127 kg)).	Safe
Green net, brick guard, sheeting, is provided if needed.	Safe
<b>Scaffold-Bracing.</b>	
Has face bracing been provided i.e. longitudinal (According to the manufaction manual) specified angle 450 (Façade or Sway).	Safe
Has been provided at the end of the scaffolding ie transverse bracing (Cross bracing, Ledger bracing).	Safe
Does the bracing extend the full height of the scaffolding.	Safe
Are all bracing pipes are fixed with load bearing coupler.	Safe
<b>Scaffold-Ties.</b>	
Have ties been installed as per manufacturers/suppliers instructions/information.	Safe
Is bottom tie placed no higher than four (4 ) times the minimum base width or according to design requirements.	Safe
Are all ties fixed with load bearing couplers.	Safe
Are there sufficient number of ties.	Safe
Tie distance should be no more than 300 mm from standard.	Safe
Is the scaffold is secure with building at intervals not to exceed( 9 m) horizontally and( 8 m )vertically or as recommended by the manufacturer.	Safe
Outrigger (Raker) is attached where needed tube length not more than (6 m) at (75 degree).	Safe
<b>Scaffold-Erection Tolerances.</b>	
Standards : Vertical to within $\pm$ 20 mm in 2 m. (subject to maximum deviation of 50 mm).	Safe
Bay length and width : $\pm$ 200 mm on designated lengths Level to within $\pm$ 20 mm in 2 m, (subject to a maximum total deviation of 50 mm).	Safe
Lift height : $\pm$ 150 mm on the designated height.	Safe
Nodes:	Safe
<b>Scaffold-Design Criteria.</b>	
Check for traceability between the Drawing and the site's scaffolding.	Safe
Check for the traceability between the drawing and the relevant calculation.	Safe
Verify the design parameters loads.	Safe
Verify the material properties for ALL the scaffolding material which include but not limited to (Standards , Ledgers , Transoms , Couplers , Planks , Boards , Tubes).	Safe
Verify the accuracy of the dead load with installed scaffolding(e.g number of platforms)	Safe
Verify the if the scaffolding have any added loads which not included by the design including variable & environmental loads.	Safe
Sustainability for platform boards according to the design parameters (shear & bending stress).	Safe
Sustainability for the transom according to the design parameters (shear & bending stress).	Safe
Sustainability for the ledger according to the design parameters (Shear & bending Stress).	Safe
Permissible compression stress for the standard according to the design parameters in relevant to the item specifications.	Safe
Bracing requirement against the design.	Safe
Back propping requirement if any.	Safe
<b>Scaffold-Description.</b>	
Type of scaffold	Cuplock system scaffold
Scaffold specification	Ledger= 2.5,1.8,m, Transom = 1.2m standard= 3.0 m
Scaffold classification (Duty type)	Light duty
Number of platform(s)	13
Number of bays	30

Number of supports	24 ties on each floor with beams and columns
Location	Elevation back side
Elevation	Back side
Grid Line (if available)	0-9/H
Operation height	G floor up to roof
Dimensions (L,W,H) m	1.20m, 60m, 25m
Last inspection date	26,12,2020
Weather conditions	Good
Additional information	Na
Inspection equipment(s)	MT6,DC,AM01
Accredited Standard	BS EN 12811-1:2003 , BS EN 12810-2:2003 , BS EN 12810-1: 2003 , BS EN 1004 :2004 , BS EN 1298:1996
Scaffold- checklist summery	
Ground condition and leveling	Safe
Supporting Elements	Safe
Safe Access	Safe
Structure condition	Safe
platform(s) condition	Safe
Side protection	Safe
Bracing	Safe
Supports	Safe
Defects	
defect description	

Inspector Name:

Inspector Signature:

Date: