

Inspection Check List for: False Work

Risk assessment	
Frequency of the In-service inspection done by the user/owner	N\A
operation manual & Maintenance Record available upon request write either(• both available , • operation manual only)	N\A
Labels and decals for operation on the lift write either(• available • owner provided)	N\A
Previous 3rd party certificate if any write either(•New equipment (first inspection) • present and valid • present and invalid • Not available)	N\A
Operator training proof write either (• training certificate available• brief training provided by inspector• Experiences proof)	N\A
Operator training proof write either (• training certificate available• brief training provided by inspector• Experiences proof)	N\A
Appropriate PPE for the operator write either(• helmet • shoes , • harness, • safety reflection jacket)	N\A
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)	Good condition
Is the location is next foot walks or traffic workstation or public areas write either (• present , • site condition not required)	Not required
Isolate all area, and put sign board for inspection progress write either (• present • site condition not required)	Not required
Manufacture documents matching the lift installed write either (• yes matching • verification with the manufacture after inspection)	N\A
Ensure the foundation/test area floor is adequate and leveled write either (• leveled , leveled with ease of facility/equipment)	Ok
Housekeeping , where applicable write either (• clear • clear after rectification)	Clear
Wind speed within the limits (12.5 m/s) write either (• within the limit , • waiting to be reduced)	With in limit
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))	Available
Adequate lighting	Yes
Preform tools box meeting	Yes
Falling form height hazard write either (• safety harness worn • barrication provided)	Harness
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.	No
False Work -Description	
Type of false work:	Adjustable steel props
False work specification	Spacing between Jack's 1.3*1.0m
Slab thickness	28cm
Slab for (floor number)	Water tank and basement slab
Location	Water tank and basement slab
Grid line	(D-I)1-8)
Clear height	2.77m
Total area	250m2
Inspection equipment(s)	MT-29 LDM-28
Last inspection date (if available)	N\A
Weather conditions	Good
Additional information	Drawing # DBC\A\2020\539
Accredited Standards	BS 5975:2019 & BSS-INPR-019
False work-Foundation.	
The false work is erected according accordance with the approved drawings and the manufacturer's instructions.	Safe
Approved by contractor or consultant.	Safe
Check suitable sole plates or other bases have been provided and have been properly leveled must be free from splits, cracks and any deformation.	Safe
Sole Plate soil should be horizontal within a tolerance not exceeding 25 mm in a length of 1 m.	Safe
base plates have been used and are properly spaced and centered on the sole plates.	Safe
Adjustable fork heads and base plates laced or braced where their extension is more than 300 mm.	Safe
Extension of base jack conforms according to the manufacturer instruction.	Safe
The ground has been adequately prepared and is at a satisfactory level.	Safe
Blinding Concrete (min thickness 50 mm) , Concrete Spread Footing(min thickness 100 mm).	Safe
Sole plates used to distribute false work loads on to foundation soils should normally be set horizontally.	Safe
Sole plate have been properly bedded down (No cavity underneath).	Safe
Sole plate members should be continuous under at least three vertical standards of the false work and the width in contact with the ground should not be less than 225 mm.	Safe
Check the size and condition of base plates according to the manufacturer's instructions.	Safe
Slope of the false work not exceeding 6:1 or (9 degree).	Safe
False work-Electrical Test	
The safe distance is maintained from the electrical power lines.	Safe
Electrical Distribution boards close to structure are insulated from the structure Earth wire is attached with metal body.	Safe

False Work-Adjustable Prop And Fork Head

Check Prop Inner and outer tubes are free from splits, cracks, visible deformations, rust and dents.	Safe
The nominal minimum wall thickness in the threaded part shall be 2,3 mm.	Safe
End plates shall have at least two holes for connection purposes, minimum yield strength of 235 N/mm ² , minimum thickness 6 mm for classes A, B and D props, 8 mm for classes C and E props.	Safe
There shall be an overlapping length between the outer and inner tube, 10, of at least 300 mm when the prop is fully open.	Safe
Tolerance Length of prop, Fully open/ Fully closed+10 mm /-10 mm.	Safe
Where beams terminate in a fork head they should extend past the center point of the fork head by at least 50 mm.	Safe
Fork head is fitted centrally position check connection detail at fork heads e.g. wedging and nails.	Safe
The fork heads size shall be at least 100 mm long.	Safe
Adjustable fork head and base plate are extended according to drawing.	Safe
Props to BS EN 1065:1999 should be plumb within 1° of vertical(i.e. not exceeding 17 mm out-of-vertical over a height of 1 m) maximum 25 mm.	Safe
Nominal wall thickness of class B,C,D,E Shall be at least 2.6 mm, for class A min Wall thickness 2.3 mm.	Safe
The nominal pin diameter shall not be less than 13 mm.	Safe
Circles on end plates, 110 mm diameter for class A props, 120 mm diameter for class B, C, D and E props.	Safe
The distance between the fully open and fully closed prop shall be not less than 1,00 m.	Safe
End plate/ fork head, Perpendicularity to tube axis 1,0 °	Safe
Where timbers butt in a fork head, the joint should be within 15 mm of the center of the fork head.	Safe
Props are placed centrally under the member to be supported and over any member supporting the prop with no eccentricity in excess of 25 mm.	Safe
Soffit formwork nailed to the upper timber.	Safe
Props to BS 4074:1982 should be plumb within 1.5° of vertical (i.e. not exceeding 25 mm out-of-vertical over a height of 1 m).	Safe

False work-Tube and coupler

Check the tubes for split crack damage, bend visible tube deformations, rust and dents.	NA
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) .	NA
Elongation of tube 24% from nominal length .	NA
Tolerance on wall thickness is -10 %.	NA
Adjustable fork heads and base plates should be adequately laced or braced where their extension exceeds 300 mm or as per design.	NA
The centerlines of tubes at a node point should be as close together as possible, and never more than 160 mm apart	NA
Vertical members should be positioned within 50 mm of designed location.	NA
Verticals should be plumb within 15 mm over 2 m of height subject to a maximum displacement from the vertical of 25 mm over the full height.	NA
Vertical members should be placed centrally under the members to be supported and over the member supporting them with no eccentricity exceeding 25 mm.	NA
Straightness of any tube length (L) shall not exceed 0,002 L.	NA
Tolerance on specified outside diameter is +/-0,5 mm.	NA
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.	NA
Sole plates used to distribute false work load on to foundation soils should normally be set horizontally within a tolerance not exceeding 25 mm in a length of 1 m.	NA
Corrosion and deterioration of steel scaffold tube wall thickness 10% of nominal value Corrosion and deterioration of steel scaffold tube wall thickness 10% of nominal value.	NA

False work-Fork Head.

Fork head should be rotated to centralize the bearer they support.	Safe
Where beams terminate in a fork head they should extend past the Center point of the fork head by at least 50 mm	Safe
Where timbers butt in a fork head, the joint should be within 15 mm of the center of the fork head	Safe
If the beams lap in the U heads care must be taken to prevent eccentricity of load and if necessary, skew lapping.	Safe

False work -Timber Beams

Length of the beam shall conform to the manufacturers declared dimension within a tolerance of 10 mm.	Safe
The flange width, b, shall conform to the manufacturers declared dimension within a limit deviation of + 1 % and – 1,5 %.	Safe
Timber beam bearing length does not exceed 75 mm, there is at least 75 mm of timber each side of the bearing.	Safe
The load sharing system comprises four or more members spaced a maximum of 610 mm center to center.	Safe
The beam depth, H, shall conform within a limit deviation of ± 1 % or ± 2 mm, whichever is the smaller.	Safe
The web thickness, t, shall conform to the manufacturers declared dimension within a limit deviation of ± 3 %.	Safe
The depth of timber does not exceed 300 mm.	Safe
Timber should be discarded if it has been painted such that it prevents assessment.	Safe

False work-Back Propping.

Is the back propping supported on enough levels ?	Safe
Is the back propping can withstand the transferred forces?	Safe
Slope of the back propping.	Safe
In case there is no back propping , is the contractor is holding a conformity certificates for the supported slab ?	Safe

False work-Design Criteria.	
Check for traceability between the Drawing and the site’s false work.	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 faslework material which include but not limited to (props, secondary beams, primary beam. infill beams , decking beams , plywood , scaffolding ...etc.) depending on the type of the system used	Safe
Verify the if the falsework have any added loads which not included by the design including variable & environmental loads .	Safe
Sustainability for plywood according to the design parameters .	Safe
Sustainability for the secondary beam and /or infill beam according to the design parameters .	Safe
Sustainability for the primary beams and or / decking beam according to the design parameters (shear & bending stress).	Safe
Permissible compression stress for the props and or / standard according to the design parameters in relevant to the item specifications .	Safe
Bracing requirement against the design .	Safe
False work-checklist summery	
Design verification	Safe
Foundation condition	Safe
standards, props conditions	Safe
standards-props to secondary beams connection	Safe
Secondary beams conditions	Safe
Locking members	Safe
Ties , Bracing condition	Safe
Bolts & pins	Safe
System verticality	Safe
lateral support and bracing	Safe
Defects	

Inspector Name:

Inspector Signature:

Date: