

EHS Guidance Notes



GN # 17a – Scaffolding

Environment, Health and Safety
Ports, Customs & Free Zone Corporation

<p>SELECT THE TYPE OF SCAFFOLD</p>	<p>INSPECT THE MATERIAL & GROUND CONDITIONS</p>	<p>TRAINING TO SCAFFOLDERS</p>
<ul style="list-style-type: none"> ▪ Check, for what purpose scaffold is required. ▪ Select the correct type of scaffold for the job. ▪ Scaffold should take the load of man, material and equipment to be used. ▪ Scaffold extended over the height of 10m must be designed by a competent scaffold designer. ▪ Take into account the weather condition too. 	<ul style="list-style-type: none"> ▪ Scaffold material including fixtures shall be of adequate strength & free from any defects, corrosion and bends. ▪ Ground should be leveled & compacted properly. ▪ Do not erect scaffold on loose soil. 	<ul style="list-style-type: none"> ▪ Select & engage experienced scaffolders for the job. EHS approved third party agency. ▪ They should possess a professional training certificate. ▪ Work should be carried out under the supervision of competent person (scaffold supervisor). ▪ Impart tool box talk to the labourers.
<p>BARRICADE THE AREA & DISPLAY NOTICES</p>	<p>BASE PLATES & ALL THE FIXTURES</p>	<p>FULLY BOARDED WORK PLATFORMS</p>
<ul style="list-style-type: none"> ▪ Barricade the area where scaffold has to be erected or dismantled. ▪ Display adequate cautionary notices and signs. ▪ Do not allow any unauthorized access. 	<ul style="list-style-type: none"> ▪ Provide base plates below all the uprights or standards. ▪ Use timber sole boards on sand or soft ground. (minimum size of sole should be 225mm x 450mm) ▪ Ensure that all the ledgers, transoms & cross bracings are used and tightened / clamped properly. ▪ Ties to be provided in accordance with design. 	<ul style="list-style-type: none"> ▪ Work platform shall be fully boarded with planks not less than 200mm wide & 38mm thick. Secured properly. ▪ Width of the platform shall be 600 mm (3 boards) when used for persons only & shall be 800 mm (4 boards) when used for man and materials. ▪ Width of gangway shall be 430 mm for passage of persons only & 600 mm if used for passage of material.

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<p>GUARDRAILS AND TOE BOARDS</p> <ul style="list-style-type: none"> Provide guardrails of adequate strength which must be rigid. Provide top rail at 1.15 metres above the platform. Mid rail at 765 mm. Toe boards shall be at least 150 mm. in height. Use brick guards (or similar) where there is a risk of material falling. 	<p>SAFE ACCESS & EGRESS</p> <ul style="list-style-type: none"> Provide ladder or proprietary stairs for safe access and egress. Ensure that the ladder is secured properly to the scaffold. Ladder should extend 1m above the platform. Maintain the angle of inclination of ladder at 75°. (1H : 4V). 	<p>SCAFFOLD TAGGING</p> <ul style="list-style-type: none"> Scaffold tagging must be implemented & strictly followed on all the scaffolds. Scaffold tag should be maintained by an experienced & competent person. Do not overload the scaffold. Incomplete scaffold not to be used.
		
<p>PERSONAL PROTECTIVE EQUIPMENT & SUPERVISION</p> <ul style="list-style-type: none"> Main Contractor to ensure that all scaffolders wear full body harness while working at 4m height or more on a scaffold. Provide and train all scaffolders to use appropriate PPE such as safety helmet & full body harness with a shock absorbing lanyard. Ensure effective supervision for the erection and dismantling of the scaffold. 	<p>DISMANTLE AFTER ITS USE</p> <ul style="list-style-type: none"> Dismantle the scaffold after its use. Always start dismantling of scaffold from the top. Do not throw scaffold parts from any level of the scaffolding. Stack the dismantled scaffold properly & protect from damage. 	<p>HOUSEKEEPING</p> <ul style="list-style-type: none"> Always maintain good housekeeping at the work site. Regularly maintain parts and fixtures of the steel scaffolding in good usable condition. Remove any damaged scaffold components from use.