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	Tiling Floor Work			
	Company Doc. No. HSEDOCS-TW-01-24	Contractor Ref. No. QHSE-TW-2024	Date 01-01-2024	Revision 00

METHOD STATEMENT FOR TILING FLOOR WORKS

Project No:	
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REVISION HISTORY	ISSUE DATE	DESCRIPTION	REVIEW / STATUS
00			

PREPARED BY:	REVIEWED & APPROVED BY:
QA QC ENGINEER	PROJECT ENGINEER

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1.0. Scope of Work

1.1. Tiling work for wall

- 1.1.1. Identify potential hazards associated with tiling work, such as slips, trips, and falls, exposure to hazardous materials, and electrical hazards.
- 1.1.2. Assess the risks involved in working at heights, working with power tools, and handling heavy materials.

1.2. Personal Protective Equipment (PPE):

- 1.2.1. Require all workers to wear appropriate PPE, including steel-toed boots, safety glasses, gloves, and hearing protection.
- 1.2.2. Provide workers with dust masks or respirators if they are working in an environment with airborne particles.

1.3. Training:

- 1.3.1. Ensure that all workers are adequately trained in the proper use of tools and equipment.
- 1.3.2. Provide training on the correct techniques for lifting and carrying heavy materials to prevent musculoskeletal injuries.
- 1.3.3. Conduct regular safety meetings to reinforce safety protocols and address any concerns or questions from the workers.

1.4. Safe Work Practices:

- 1.4.1. Establish guidelines for the safe use of power tools, including proper handling, maintenance, and storage.
- 1.4.2. Implement procedures for working at heights, such as using guardrails, safety nets, or personal fall arrest systems.
- 1.4.3. Encourage proper body mechanics to prevent back injuries when lifting and carrying heavy tiles or equipment.

1.5. Material Handling:

- 1.5.1. Clearly label and store materials in a designated area to prevent tripping hazards.
- 1.5.2. Use proper lifting techniques, and provide mechanical aids such as dollies or forklifts for moving heavy materials.
- 1.5.3. Ensure that the workspace is organized and free from clutter to reduce the risk of accidents.

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1.6. Pre Requisite for Tiling Work at Walls

- 1.6.1. Ensure the MEP clearance obtained and all other under laying installations are approved prior to start of tiling works.
- 1.6.2. Working area to be restricted for unauthorized entry.
- 1.6.3. The surface to which tiles are to be fixed shall be thoroughly dry before fixing commences and free from all defects. Tiling work at walls
- 1.6.4. The areas to be tiled shall be brushed clean and all traces of grease, oil, loose particle etc. must be removed.
- 1.6.5. Ensure that the laying of tiles shall be as per the direction and pattern agreed with the consultant.
- 1.6.6. Before laying tiles obtain approval of setting out by consultant. Provide symmetry about center lines of the space or areas and adjust to minimize tile cutting.
- 1.6.7. Lay out tile work so that tiles less than 1/2 full size do not occur and with minimum of cutting. Carefully grind edges of cut tile. Ensure cut tiles are in corners and are equal on each wall face.
- 1.6.8. Tile layout on floors / walls shall follow the layout on floors / walls as per approved shop drawings.

1.7. Methodology for Tiling at Walls

- 1.7.1. For concrete block walls and concrete walls to be finished with tile, apply a leveling coat of plaster minimum 12 mm thick, sufficient to cover the unevenness of the substrate and to make walls true vertical.
- 1.7.2. Plaster shall be finished rough in order to have a strong key for tiling works.
- 1.7.3. Plaster curing period shall be completed before start of tiling work.
- 1.7.4. To ensure rows of tiles are truly horizontal, a level line shall be established to position the starting course.
- 1.7.5. Tiles of specified and approved sizes shall be fixed to wall surfaces by approved adhesive.
- 1.7.6. Mixing of adhesive shall be strictly followed in accordance with manufacturer's recommendations.
- 1.7.7. Mortar shall be used within 2 hours of mixing at normal temperatures or within the pot life of the mix whichever is achieved earlier.
- 1.7.8. Material shall not be used after initial set has taken place.
- 1.7.9. Thin Bed Adhesive-Walls: Apply floated coat of adhesive to dry background in areas of approximately 1 M2 and comb the surface with the recommended solid bed trowel. Apply thin even coat of adhesive to backs of dry tiles. Press tiles onto

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bedding with twisting/sliding action to give finished bed thickness of not more than 3 mm.

- 1.7.10. Thick Bed Adhesive-Walls: Apply floated coat of adhesive to dry background and comb the surface with the recommended solid bed trowel. Fill any keys and apply thin even coat of adhesive over the entire back of each tile. Press tiles onto bedding with twisting/sliding action to give finished bed thickness within the range recommended by the manufacturer.
- 1.7.11. Tamp the tile with rubber mallet to obtain required adhesion and level.
- 1.7.12. Tiles shall be laid with required spacing and spacers shall be used to align horizontal and vertical joints.
- 1.7.13. Lay tile to pattern in accordance with Shop Drawings. Verify pattern is uninterrupted through openings.
- 1.7.14. Establish lines of borders where applicable.
- 1.7.15. Excessive mix/adhesive shall be removed with a damp cloth before the material has set.
- 1.7.16. The vertical joints shall be maintained plumb for the entire true level and plane by uniformly applied pressure.
- 1.7.17. Joints in glazed wall tiles and fittings, after edges of tiles have been thoroughly wet (After 48 hours later) it shall be grouted with neat white or colored approved grout.
- 1.7.18. Grout shall be applied to the spaces between the tiles using a sponge or a small piece of the soft cloth.
- 1.7.19. Ensure that joints are 6 mm deep (or the depth of the tile if less), and are free from dust and debris.
- 1.7.20. Force grout and fill joints completely to entire depth, tool to an approved profile, clean off surface and leave free from blemishes.
- 1.7.21. Rub wall tiling with a dry cloth when joints are hard.
- 1.7.22. Keep expansion/contraction and control joints free of mortar or grout.

1.8. Control Joints

- 1.8.1. Provide Control Joints 6mm minimum width in large tile areas at a maximum of 4.5m in each direction and at the perimeter walls. Do not saw-cut joints after installing tiles.
- 1.8.2. Movement joints shall be located as required and be carried through backing to the structural wall, partially fill with strip and finish flush with sealant to the manufacturer's recommendations.
- 1.8.3. Tiling shall be protected from heat and inclement weather until jointing has completely set.