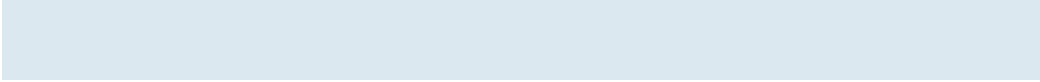


VILIMAALE HOSPITAL PARK - MATERIAL SPECIFICATIONS

Minimum project requirements. Products and samples remain subject to consultant/client approval and coordination with structural, civil, electrical and equipment specialists.

Section	Material / system	Minimum specification	Installation / workmanship
General	Submittals	Provide product data, samples, colour charts, method statements and warranties before procurement.	Follow approved drawings, levels and manufacturer instructions.
Earthworks	Subgrade	Firm approved formation, free of organic/unsuitable material.	Remove soft spots; proof-roll; compact at suitable moisture.
Paving	Concrete paving blocks	80 mm thick; minimum 50 MPa compressive strength; non-slip; low absorption; approved colour/pattern.	Lay on compacted bedding; 2-5 mm joints; fill with dry sand and plate compact with protective mat.
Paving	Bedding sand	Clean, durable, well-graded, low silt/clay content.	Spread uniformly to 50 mm compacted thickness; do not use to correct major level errors.
Paving	Aggregate sub-base	Approved well-graded crushed aggregate, free of deleterious material.	Place in controlled layers and compact to minimum 98% MDD.
Paving	Jointing sand	Clean dry fine sand compatible with paver joint width.	Sweep into joints, compact, refill and remove residue.
Paving	Kerbs	Precast concrete 100 x 250 mm, sound and free of defects.	Install continuously on concrete bed/haunch, aligned to levels and radii.
Concrete	Driveway concrete	C30/37 ready-mix; durability suitable for coastal exterior exposure.	200 mm slab; non-slip medium broom perpendicular to travel; cure minimum 7 days.
Concrete	A252 mesh	Welded reinforcement fabric complying with approved structural standard.	Place centrally with minimum 50 mm cover; support on approved chairs; lap as designed.
Concrete	Contraction joints	5 mm saw cut to one-third slab depth.	Cut within approved timing window; align with panels and re-entrant corners; maximum 4 m centres.
Concrete	Isolation joints	12 mm compressible closed-cell filler, backer rod and exterior sealant.	Provide at buildings, walls, drains and fixed structures; tool sealant neatly.
Concrete	Curing	Approved water, curing compound or covered curing system.	Prevent premature drying and traffic damage for specified period.
Floor coating	Concrete substrate	C30/37, minimum 100 mm; sound, cured and adequately drained.	Steel trowel then mechanically prepare; repair cracks/depressions.
Floor coating	Primer	Manufacturer-approved acrylic or epoxy primer compatible with substrate/topcoat.	Apply at approved coverage to clean dry prepared surface.
Floor coating	Sports/play coating	UV-resistant exterior acrylic/polyurethane sports coating; blue, green, yellow and orange; anti-slip finish.	Apply minimum two uniform coats after approved set-out and masking.
Floor coating	Anti-slip aggregate	Clean graded proprietary aggregate compatible with coating.	Broadcast uniformly or mix as manufacturer directs.
Masonry	Concrete blocks	150 mm solid/reinforced concrete blocks, consistent dimensions and adequate strength.	Lay plumb/level with filled joints; fully grout reinforced cores at ends and max. 1200 mm centres.
Masonry	Render and paint	Exterior cement-sand render/skim, alkali-resistant primer and minimum two exterior coats.	Prepare, cure and finish smooth; waterproof capping with drip edges.
Signage	Letters/logo/fixings	Approved hospital branding; metallic/back-lit letters; marine-grade stainless steel fixings.	Use templates; seal penetrations; isolate dissimilar metals; conceal wiring.
Flag post	Pole	6.0 m nominal tapered galvanised steel or aluminium, marine-grade finish, supplier wind-engineered.	Install plumb with internal halyard and lockable access where practicable.
Flag post	Foundation/anchors	C30/37 RC foundation nominal 900 x 900 x 900 mm; four M20 HDG or stainless anchors; non-shrink grout.	Use manufacturer template; top minimum 75 mm above paving and slope away.
Electrical	Exterior equipment	IP65 minimum junction boxes, lockable isolators, UV-resistant cables/conduits and corrosion-resistant supports.	Conceal/protect routes; bond metallic items; coordinate earthing.

Play equipment	Equipment and surfacing	Commercial exterior equipment with corrosion-resistant finish and supplier safety certification.	Install to supplier foundations and safety clearances.
Landscape	Planting materials	Healthy nursery stock suitable for coastal Maldives conditions; clean approved topsoil and mulch.	Plant to approved landscape plan with drainage, staking and establishment care.



Notes

Use products suitable for hot, humid, saline Maldives exposure.

Do not build over saturated or unstable fill.

Traffic-grade units for vehicle areas.

Keep clean and dry before laying.

150 mm compacted thickness unless noted otherwise.

Replenish after initial compaction if required.
Provide movement joints where required.

Final slab/reinforcement design by structural engineer.

Engineer to confirm grade, cover and laps.

Continue joints through coatings where applicable.

Sealant compatible with adjacent materials.

Curing compound must be removable/compatible with coatings.

Minimum fall 1:100; no ponding.

Follow recoat window.

Paint system is not impact-attenuating safety surfacing.

Avoid sharp/excessively coarse finish.

Coordinate concealed conduit.

Coastal-grade coating system.

Confirm illumination and viewing direction.

Maintain safe clearance from vehicles/services.

Dimensions remain preliminary pending engineer.

Final design by electrical engineer.

Provide impact-attenuating surfacing where required by critical fall height.

Final plant schedule required for quantity take-off.