





Reference No: HDC(161)-MKS/IU/2022/226

Addendum Date: 17th May 2022

ADDENDUM 2

Project Name: Development and Sale of Mixed Residential Buildings in Hulhumalé

Proposal Reference Number: HDC (161)-MKS/IU/2022/209

Announced Date: 10th May 2022

The following change(s) has been made to the RFP.

Section III. Lessor's Requirements Clause 5.1. Housing Segmentation	Change; 5.1.1. The developer must develop mixed residential apartments as per the Drawings and Guidelines in Section VII.
Section VI. Contract Terms	Addition; Clause 25. CSR
	25.1. Lessee shall agree to contribute MVR 1,217,671.81 (One Million Two Hundred and Seventeen Thousand Six Hundred and Seventy-One Rufiyaa Eighty-One Laari) for development of open green pocket parks in Hulhumalé. This payment has to be made to HDC within 12 (Twelve) months from the date of agreement signing.
Section VII. Drawings and Guidelines Clause 5.2 Design and Development Guideline	Change; Design and Development Guideline (Refer to Next Page)

Please include this addendum when submitting the proposal.



MIX RESIDENTIAL HOUSING **DEVELOPMENT GUIDELINES**

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1. PLANNING GUIDELINES

1.1. INTRODUCTION

- **1.1.1.** This section comprises planning and land use controls defined under these guidelines.
- 1.1.2. This guideline will be applicable to plots categorized and developed as 'Mix residential Housing' in Hulhumalé. Mix residential housing is defined as housing developments with a mixture of commercial and residential developments targeted for middle income & high-income categories.

1.2. LAND USAGE

- **1.2.1.** These allocated land plots are for the construction of Mid-Range Housing units whereby it is used mainly for pure residential usage.
- **1.2.2.** Commercial spaces should be accommodated as follows:
 - **1.2.2.1.** 50% of the ground floor level should be allocated as commercial spaces. The rest of the area shall accommodate services, circulation & visitor parking.
 - 1.2.2.2. 30% of first floor level should be accommodated as commercial spaces along the front periphery of the plot.
 - 1.2.2.3. The area allocated for commercial use should not be compromised for any other purposes.
- 1.2.3. If a customer requests for design changes to accommodate for Persons With Disability (PWD), the developer should bring the necessary changes as per clause 1.14 of this document.
- **1.2.4.** Terrace should be used as communal space/ storage of service tanks or components. (Residential usage on terrace is not allowed).
- 1.2.5. Based on the plot area, location & land use plan, buildings are subjected to additional facilities such as convenience stores, commercial spaces, additional support facilities and restrictions.
- 1.2.6. The building should accommodate the required vehicular parking given under section 1.6 of this document.
- 1.2.7. Following are prohibited uses of these dwellings:
 - 1.2.7.1. Any industrial use, any use where flammable materials are used, any use where the public is disturbed from loud noises, smell or dust generating and carrying activities, constructing godowns, etc.

1.3. BUILDING HEIGHT, F.S.I AND SETBACK PLAN

1.3.1. Building setback is provided with the Development guideline drawing along with building F.S.I and is calculated as:

Floor Space Index (F.S.I) =	Total covered area of the building
	Plot area

- **1.3.2.** Following spaces will be excluded from GFA:
 - 1.3.2.1. Parking spaces
 - 1.3.2.2. Basement parking
 - 1.3.2.3. Terrace communal open areas
 - 1.3.2.4. Ramp dedicated for parking

- 1.3.2.5. Open void
- 1.3.2.6. Service duct
- 1.3.2.7. Lift void
- 1.3.2.8. Stair void of top floor
- **1.3.2.9.** Balconies extruding in to the setback area but within the balcony extrusion limit
- **1.3.3.** Building Height is subjective to the plot location, area of the plot and land usage.
- 1.3.4. No part of the building such as roof eaves, gutters, and door/window panels, etc. should be projected out into the road beyond the building setback line.
- 1.3.5. The setback area at ground level can be utilized for circulation or parking but should not be covered above at any level.
- 1.3.6. The minimum distance between two building blocks/towers in a single plot must be not less than 10m unless stated otherwise.
- 1.3.7. Any Plot with maximum height of 47m, must have obstruction lights installed and marked as per MCAA (Maldives Civil Aviation Authority) Air Safety Circular 139-5, Chapter 6. The circular is available from MCAA website.

1.4. DEPTH OF FOUNDATION

- 1.4.1. The depth of foundation for each building shall be determined by the structural engineer of the development.
- **1.4.2.** The foundation protection method should be submitted with the final detail drawings.
- 1.4.3. An Environment Impact Assessment Report and Soil Inspection Report needs to be submitted with the detail drawings if:
 - **1.4.3.1.** The foundation of the structure is deeper than 1.8m below natural ground level.
 - **1.4.3.2.** The building height exceeds 31m from the natural ground level.

1.5. BOUNDARY WALL

- 1.5.1. Urban interaction is highly encouraged at street level to provide seamless integration of private and public space without compromising privacy and security.
- 1.5.2. If required, the developer may choose to have a boundary wall with perforation or demarcate the plot boundary with a natural green verge of maximum 1.2 meters.
- 1.5.3. A boundary wall of maximum 2 meters (from Natural Ground Level) is allowed on the rear and sides of the plot. In such a case, the solid portion of the wall is to be 1.2 meters in height with a perforation of up to 2 meters (from Natural Ground Level).

1.6. PARKING

- 1.6.1. Parking spaces should be designed to an international standard (standard referred should be mentioned).
- 1.6.2. All width of drive way and turning radius should be designed to an international standard (standard referred should be mentioned).
- 1.6.3. Car parking spots should be available proportionately throughout all categories. These details should be clearly informed to and approved by HDC during the detailed design stage.
- **1.6.4.** Developer must identify and label the car parking and motor parking spots allocated for HDC during detail design stage.

- **1.6.5.** The specified amount of parking should be provided within the development site for both residents and visitors.
- **1.6.6.** In order to achieve the number of parking, should it be required, second floor can also be utilized as parking.
- 1.6.7. Parking spaces should be appropriately sized for movement in and around and should cater for disability and wheelchair movement where considered necessary.
- **1.6.8.** Basement parking is mandatory in all mid-range housing developments.
- 1.6.9. Minimum clear height for basement should not be less than 2.7m
- **1.6.10.** Car parking shall be provided as per the following ratio:
 - 1.6.10.1. 1 car parking slot for every 3 apartments.
 - 1.6.10.2. An additional 10% of the total number of parking must be allocated for visitor parking.
 - 1.6.10.3. 3-5% of total number of car parking slots must be designed for people with disability (PWD).
 - 1.6.10.4. EV charging points must be provided for 10% of car parking slots.
 - 1.6.10.5. Provisions for EV charging must be provided to all parking slots.
- **1.6.11.** Motorbike parking shall be provided as per the following ratio:
 - 1.6.11.1. 1 motorbike for each 1- and 2-bedroom apartment.
 - 1.6.11.2. 2 motorbikes for each 3-bedroom apartment and above.
 - 1.6.11.3. An additional 10% of the total number of parking must be allocated for visitor parking.
 - 1.6.11.4. 3-5% of total number of motorbike parking slots must be designed for people with disability (PWD).
 - 1.6.11.5. EV charging points must be provided for 10% of motorbike parking slots.
 - Provisions for EV charging must be provided to all parking slots. 1.6.11.6.

1.7. SERVICES

- 1.7.1. Consultation is to be done at concept level with service providers of electricity, plumbing, sewerage, GPON, as to how these could be economically and sustainably incorporated into the development.
- 1.7.2. All developments should provide the GPON fiber cabling system for commercial and residential units. Refer to in-building cabling guidelines.
- 1.7.3. Any space required by the relevant service provider for the installation or provision of a supporting facility (transformer, pump rooms, storage tanks, service stations, etc.) should be provided well within the given area for the development.
- 1.7.4. Dedicated utility space at either ground or first floor level should be provided for the provision and/or installation of relevant services as required.
- 1.7.5. The water quality should comply with the standards set forth by the Health Protection Agency (HPA) if proposed to use a private water supply.
- **1.7.6.** In accordance with the EPA guidelines, it is required to have adequate storage of water (if possible, with integrated rainwater harvesting systems) within the development for firefighting and any other emergency usage.

- 1.7.7. An approved firefighting layout for the development should be obtained from Maldives National Defense Force (MNDF) Fire and Rescue Services.
- 1.7.8. The discharge of foul water should be to a sewer network approved by the relevant service provider.
- 1.7.9. The layout of each utility network within the development should generally be in accordance with the established practice of the relevant service provider.
- 1.7.10. The garbage collection area (away from common areas) with easy access should be provided at each floor level and a central collection area at the ground floor with ease of loading/unloading vehicular access.
- 1.7.11.A waste management plan is to be developed along with the waste management authority to minimize public intrusion and ease of access.
- 1.7.12. Any telecom-related infrastructure/equipment can only be installed on the buildings with prior approval from HDC.
- 1.7.13. In-building wiring should adhere to all requirements set forth in HDC's In-building wiring guideline.

DESIGN GUIDELINES

1.8. INTRODUCTION

This section will comprise of design controls and requirements imposed for this development.

1.9. ACCESS & CIRCULATION

- **1.9.1.** A sheltered, safe, and convenient vehicular drop-off/pick-up area, with universal access should be provided to all dwellings, facilities & services within the plot.
- 1.9.2. Frontage of the site and pedestrian & vehicular access ways into the site should be designed & constructed by the developer. This includes but is not limited to the pathways, lighting, softscapes, hardscapes & urban furniture.
- 1.9.3. All circulation routes and entrances should be well defined and well lit. The entrance should be highlighted as well and should be welcoming for walk-in entrances.
- 1.9.4. An adequate number of elevators should be provided along with an elevator traffic analysis report justifying the number of elevators.
- **1.9.5.** At least one elevator must be fire rated and must be able to accommodate a stretcher.
- 1.9.6. An adequate number of staircases should be proposed based on the MNDF fire protection guidelines.
- **1.9.7.** Demarcate and provide appropriate lighting on pedestrian routes.
- 1.9.8. Disability access should be integrated at all pedestrian and vehicular drop off/ pick up points.
- 1.9.9. If shared pathways (for vehicles and pedestrians) are to be provided within the development, appropriate markings should be used to indicate pedestrian prominence over vehicles.
- 1.9.10. Any corridor or walkway with one way and two-way traffic should have a minimum width of 900mm and 1250mm, respectively.
- 1.9.11. Where stepped access is unavoidable especially at ground floor level, the steps should be designed as suitable for physically impaired persons or wheelchair users.

- 1.9.12. Any slope provided for vehicular access should be between 1:8 to 1:12 and with a firm and even surface.
- 1.9.13. Any slope provided for pedestrian/PWD access should be between 1:10 to 1:12 with railings and a firm & even surface.
- 1.9.14. Every storey of a building shall be provided with exit facilities for its occupant load.
- 1.9.15. There shall be at least two independent exit staircases or other exits from every storey of a building where at least one staircase shall cater for emergency evacuation.
- 1.9.16. Pedestrian linkages from one building to the other is highly encouraged within the development to promote connectivity and pedestrian interaction.
- 1.9.17. Vehicular pathways within the plot should be designed in a way that is safe, with minimum interruption to both pedestrian pathways and green verges within the plot and during ingress and egress.
- 1.9.18. Use scored, colored, textured and/or similar paving that is distinguishable from the travel lane at the drop off area.
- 1.9.19. Illuminate all outdoor parking areas with illumination towards the paved areas only and not into any adjacent buildings.
- **1.9.20.** Wherever parking is provided appropriate floor paint marking must be given.
- 1.9.21. Car parking size: 2.4m x 4.8m (100mm line thickness). Give an additional 300mm for the width of parking at every end.
- **1.9.22.** Motorbike parking size: 2m x 1m (100mm line thickness)
- 1.9.23. Car parking spaces for people with disability: 3.4m x 4.8m with an adjacent minimum 2.4 m wide shared space for wheelchair transfers. (100mm line thickness)
- 1.9.24. Motorbike parking spaces for people with disability: 2m x 1.5m (100mm line thickness)

1.10. PUBLIC OPEN SPACES

- 1.10.1. Public open spaces are defined as common spaces, such as but not limited to courtyards or terraces, within the building.
- 1.10.2. Access ways and public areas within the development shall be overlooked by dwellings or otherwise open to surveillance by residents.
- 1.10.3. Open space should generally be attractive and usable by different age groups. Undefined areas, badly shaped, fragmented, or unusable spaces which are difficult to maintain should be avoided.
- **1.10.4.** A children's play area is to be provided within the development.
- 1.10.5. If landscaping is provided, either soft or hard (or both) at common areas, materials with good resistance to vandalism, non-slip and low maintenance should be chosen.
- 1.10.6. Communal green space is to be provided within the development not less than the ratio at 1:1 of the building footprint.

1.11. PRIVATE OPEN SPACES

- 1.11.1. Private spaces are defined as open spaces such as balconies or terraces only accessible through residential units.
- 1.11.2. All dwellings should be provided with private open space /balcony, adjacent to the main living area.
- 1.11.3. The private open space/balcony can be used as or together with a drying area which should be screened from public view.

1.11.4. Minimum size for private open space/balcony should be as given under section 2.6.15 – 2.6.17 of this guideline

1.12. **COMMERCIAL**

- 1.12.1. Minimum size for commercial units to be 450-600sqft.
- 1.12.2. Maintain consistency in the allocated commercial space. Ideally a rectangular floor plan for both floors with relatively equal unit depth.
- 1.12.3. Each plot should have at least 1 double floor commercial unit where the area is larger than 1,000 sqft.
- 1.12.4. The double floor unit can be either an anchor tenant or a main unit.
- 1.12.5. Minimum 50% of the units to be Café/Restaurants and shall be designed by considering kitchen exhaust/ ventilation provision.
- 1.12.6. A separate shaded drop off/pick up must be provided for commercial zone.
- 1.12.7. An elevator must be provided solely for the commercial zone for passengers and loading & unloading purposes.
- 1.12.8. A separate shaded drop off/pick up must be provided for loading & unloading purposes along with the following;
 - 1.12.8.1. The ingress & egress for the designated location should be from the commercial side.
 - 1.12.8.2. The designated location should be at the side\behind commercial front.
- 1.12.9. Partition walls of commercial units shall be basic standard blockwork of minimum 100mm thickness and shall be finished as per guidance document.
- 1.12.10. All commercial unit entrances and access to corridors should accommodate a PWD access.
- 1.12.11. PWD access designs of ramps, corridors, walkways etc should not limit commercial unit size allocation, where applicable.
- 1.12.12. CCTV systems along with the cables are to be provided at all common areas.
- 1.12.13. CCTV server location to be provided in the drawing. CCTV server location should be shown ideally in a utility room/ enclosed room in a secure location
- 1.12.14. Commercial unit façade walls will not be required.
- 1.12.15. Corner commercial units should be designed to accommodate a curved glass facade finish for corner plots and a glass façade design to be incorporated to side walls of the corner plots, where applicable.
- 1.12.16. Drainage must be provided where needed in all corridors and any other open spaces.
- 1.12.17. Distribution box to be provided in each unit including a separate meter for each unit.
- 1.12.18. Electrical main panel for commercial units should be provided separately with easy access to commercial area management or maintenance team. Adequate size of cable trench or duct should be provided for cable entry.
- 1.12.19. The main panel board and transformer (It should be noted that the developer does not require to have a transformer in Phase 2 Developments, but should include one in Phase 1 developments.) should have 25% excess capacity in addition to the required capacity in terms of Amp.

- 1.12.20. Water connection points and sewerage provisions shall be provided for each commercial unit.
- Grease traps must be provided to the development according to MWSC 1.12.21. requirement.
- 1.12.22. Adequate size of grease trap shall be provided considering 50% of commercial area would have oil-based activities. This grease trap shall be in accordance to MWSC requirement.
- 1.12.23. Adequate lighting that achieves average lux levels must be provided at all common areas such as corridors, elevator lobby, stairs, etc.
- 1.12.24. All common areas, such as lift lobby, corridors, walkways & public toilets should be fully finished by the developer.
- 1.12.25. All balconies, terraces, and where applicable railings should be provided at a minimum height of 1.2m.,
- 1.12.26. All units should have adequate electricity capacity and provisions.
- 1.12.27. AC provisions should be given to all commercial units.
- 1.12.28. A universal PWD toilet should be provided together with separate one male and one female toilets.
- 1.12.29. If a commercial lobby is designed, the area should:
 - 1.12.29.1. Designed to guide customer traffic flow to all the units equally
 - 1.12.29.2. To be near or accommodate ease of access to commercial drop off zone, toilet, lift & staircase provision
- 1.12.30. 50% of commercial units should have provisions for toilets
- 1.12.31. Considering all commercial units would be supplied with split AC's. Area for AC outdoor unit should be provided within 15m from the indoor unit. The pipes and ducts should not interfere or cross through other commercial areas/units. AC outdoor unit should be easily accessible from commercial area without the need to enter through commercial unit (via common area or corridor). Furthermore, the access for said space should be provided from the commercial side.
- 1.12.32. GPON fiber cables should be provided for all units.
- **1.12.33.** Provide space for a janitorial/utility room
- 1.12.34. Allocate separate garbage area for all commercial units for Organic waste of minimum 60sqft area, with water connection and drainage for cleaning.
 - 1.12.34.1.1. The designated location should be at the side\behind commercial front.
 - 1.12.34.1.2. The ingress & egress for the designated garbage collection location should be from the commercial side.
 - The space should provide provision for proper ventilation 1.12.34.1.3. (mechanical ventilation preferably in order to deter odor emissions)

RESIDENTIAL 1.13.

- 1.13.1. The developer must identify the units allocated to HDC during concept stage, prior to agreement signing (condition precedent) and during detail design stage
- 1.13.2. Consideration must be given to ease of access and circulation within the residential unit for all occupants especially for the physically impaired.

- **1.13.3.** The pedestrian approach towards the entrance of units should be wide enough for two-way traffic and the main entrance of the dwelling at a minimum width of 900mm.
- 1.13.4. Weather-resistant non-slip material should be provided where necessary.
- **1.13.5.** Adequate lighting should be provided to all residential units.
- **1.13.6.** Design and layout should make use of natural daylight as much as possible to encourage minimum use of electrical lighting.
- **1.13.7.**Opening panels of windows, above ground floor level, should be at a minimum height of 1000mm above the internal floor finish level and any opening below 1000mm should be protected with a safety railing.
- 1.13.8. Private open spaces/balconies should have a minimum clear width of 1000mm.
- **1.13.9.** Glazing used for doors and windows should be safe and with a nominal thickness proportionate to the area of the panel as per British Standard or equivalent.
- **1.13.10.** Wherever a railing is provided, it should be safe for all occupants, especially for children, with a minimum distance of 125mm openings between the railing members where applicable.
- **1.13.11.** Additional safety measures, to minimize the risk of falling over, should be taken if horizontal railings are to be provided.
- **1.13.12.** Floor finishes in wet areas should be provided with slip-resistant surfaces.
- **1.13.13.** Every dwelling should be connected to electricity and GPON networks.
- **1.13.14.** Every dwelling should be provided with an adequate pressure of water for domestic use as per the service providers' requirements.
- **1.13.15.** All units must have dedicated and adequate spaces/ledges for AC outdoor units, which must be properly screened from public view.
- **1.13.16.** All units must have a minimum finishing level as per the Finishing Schedule in Design Guidance Document. This does not include any loose furniture.

1.13.17. 2 BEDROOM APARTMENT

1.13.17.1. Minimum area 700 ft² / 65.03² (carpet area)

1.13.17.2. SPACE ALLOCATION & SPECIFICATIONS

Sitting Room

- The minimum area for Sitting/Living shall be 130 SQFT (12.08SQM).
- Minimum clear height (Floor to ceiling height) for Sitting/Living area shall be 2.7m.

Dining & Kitchen

- The minimum area shall be 140 ft² (13.01 m²)
- Minimum clear height (Floor to ceiling height) for kitchen & dining area shall be minimum 2.7m from slab bottom to floor finish

Laundry

- Laundry/Washing space shall be provided to accommodate 1 washing machine (0.36sqm) & drying area with adequate sunlight.
- The minimum clear height (Floor to ceiling height) shall be 2.7m.

Balcony

- The minimum railing/ parapet wall height shall be 1.2m.
- The minimum width of the balcony shall be 1m (1000mm).

Bedroom

- The minimum size of the Master bedroom shall be 144 SQFT (14.86
- The minimum size of the other bedroom shall be 120 SQFT (12.08
- Minimum clear height (Floor to ceiling) for all areas (except toilets) shall be 2.7m.

Toilets

- The minimum size of the master bedroom toilet shall be 32 SQFT (2.97 SQM)
- The minimum size of other bedroom toilets shall be 28 SQF (2.60 SQM)
- Minimum clear height (Floor to ceiling height) for toilets shall be 2.4m

3 BEDROOM APARTMENT 1.13.18.

Minimum area 900 ft² / 88.26m² (carpet area) 1.13.18.1.

SPACE ALLOCATION & SPECIFICATIONS 1.13.18.2.

Sitting Room

- The minimum area for Sitting/Living shall be 160 SQFT (14.86 SQM).
- Minimum clear height (Floor to ceiling height) for Sitting/Living area shall be 2.7m.

Dining & Kitchen

- The minimum area shall be 170 ft² (15.79 m²)
- Minimum clear height (Floor to ceiling height) for kitchen & dining area shall be minimum 2.7m from slab bottom to floor finish

Laundry

- Laundry/Washing space shall be provided to accommodate 1 washing machine (0.36sqm) & drying area with adequate sunlight.
- The minimum clear height (Floor to ceiling height) shall be 2.7m.

Balcony

- The minimum railing/ parapet wall height shall be 1.2m.
- The minimum width of the balcony shall be 1m (1000mm).

Bedroom

- The minimum size of the Master bedroom shall be 144 SQFT (14.86) SQM).
- The minimum size of the other bedroom shall be 120 SQFT (12.08 SQM).
- Minimum clear height (Floor to ceiling) for all areas (except toilets) shall be 2.7m.

Toilets

- The minimum size of the master bedroom toilet shall be 32 SQFT (2.97 SQM)
- The minimum size of other bedroom toilets shall be 28 SQF (2.60 SQM)

 Minimum clear height (Floor to ceiling height) for toilets shall be 2.4m.

1.13.19. Maid rooms

- 1.13.19.1. This is not a mandatory aspect of residential units. However, if a maid room is to be included in the design the developer should follow the minimum areas given in this document.
- 1.13.19.2. Minimum room area 56 SQFT / 5.20 SQM
- 1.13.19.3. Minimum toilet area 24 SQFT / 2.23 SQM

1.14. PWD ACCESSIBILITY

1.14.1. Entrances

1.14.1.1. Easy accessibility between internal and external spaces, and between internal spaces, provides a safe transit point for people with limited mobility and people who use a wheelchair.

1.14.1.2. Guidelines to consider:

- a) Entrance to apartment, common spaces, at least 1 apartment and en suite must be a minimum 850mm (clear).
- **b)** Minimum 1500mm diameter circle should be given to allow for easy maneuverability.
- c) Provide even, non-slip surfaces.
- **d)** Provide ramped access for ease of dealing with more than one level and for easy entry from external to internal spaces.
- e) Provide lighting for safety and security.
- f) Install sounding devices, such as a doorbell, to identify visitors.

1.14.2. Indoor circulation

- **1.14.2.1.** Circulation through different spaces must be well planned for easy maneuverability, especially for people with limited mobility and people who use a wheelchair.
- **1.14.2.2.** Incorporate spaces wide enough for wheelchair access.
- **1.14.2.3.** Ensure door handles are lever handles.

1.14.3. Bathrooms and toilets

- **1.14.3.1.** At least 1 en suite should be designed and furnished for maximum comfort and ease of use.
- **1.14.3.2.** The en suite should be designed so that a clearance of 1500mm diameter circle is given to allow for easy maneuverability.
- **1.14.3.3.** The following aspects should be included in at least 1 bathroom of allocated PWD units.
 - a) Minimum 850 mm width door, preferably opening out or sliding.
 - b) Sufficient space for people using wheelchairs or other assistive devices.
 - **c)** Adequate handrails and grab bars to assist people to get to and from a wheelchair and to assist people with reduced strength.
 - **d)** Security and privacy feature so users can easily close and lock the bathroom or toilet door.
 - **e)** Toilets with a minimum dimension of 1.6 m x 2.4 m, or 2.0 m x 2.7 m if a shower is included and with an in-swinging door.
 - f) Toilets located against the wall diagonal from the entry door.
 - g) Firmly fixed-grip rail next to the WC, 800 mm high.
 - h) Accessories, such as mirrors and towel rails, 900 mm to 1.1 m high.
 - i) Firmly fixed washbasin to the wall at a height of between 800 mm to 850 mm.

- i) Single-lever taps.
- k) Drop-down or removable shower seat in the shower.

1.14.4. Kitchens

- **1.14.4.1.** Provide work surfaces at a comfortable height for people using wheelchairs.
- **1.14.4.2.** Provide ease of access to the opening and closing of windows and doors.
- 1.14.5. Bedroom & living room
 - **1.14.5.1.** At least one bedroom should be designed and furnished for maximum comfort.
 - **1.14.5.2.** A clearance of 1500mm diameter circle must be provided to allow for easy maneuverability.
 - **1.14.5.3.** Entrance door should be a minimum 850mm (clear).
 - **1.14.5.4.** Provide lighting for safety and security.
- 1.14.6. Ensure that all aspect of the building complies with the Maldives Disability Act.

1.15. STRUCTURAL & CIVIL WORKS

- **1.15.1.** The designed lifespan of the main structure should be a minimum of 50 years.
- 1.15.2. The structural design must be done in accordance with British standards or any superseded European standard (Eurocode). The developer must include a local registered engineer during the design process and should get the drawings stamped by an accredited structural checker.
- **1.15.3.** Necessary standards for construction to ensure the quality of workmanship and site safety during construction should be followed.
- **1.15.4.** At the concept stage as a deliverable, the developer should propose a structural system/material as well as the proposed methodology brief with the above-mentioned standards.