




## Maldives SGII project

### Checklist: site-specific information, climate events and hazards

Geographical	Notes
Location (lat, long)	<b>LAT -0.598968°</b> <b>LONG - 73.083833°</b>
Distance from already developed areas	In the middle of developed area:
Photos and maps	 <p><i>Figure 1- Aerial Map</i></p>   <p><i>Figure 2a, 2b- Over view of the plot and its vegetation</i></p>



*Figure 3- ipilili trees on the boundary towards Gender ministry fcsc accomodation*



*Figure 4-Date palm within the plot*







*Figure 5- Bread fruit Tree within the plot*

More Photos of the site included in the drive

<https://photos.google.com/share/AF1QipPya1QUpqUbdniNdLyqXHhwxCRYGF6rT5n9NGR3MiuKM6cR1o--AW0hUU-qbEIX9g?key=UFM0OVhhQWN3cXhqY1RsZEhLMGtXcnFRTVlkWnRB>

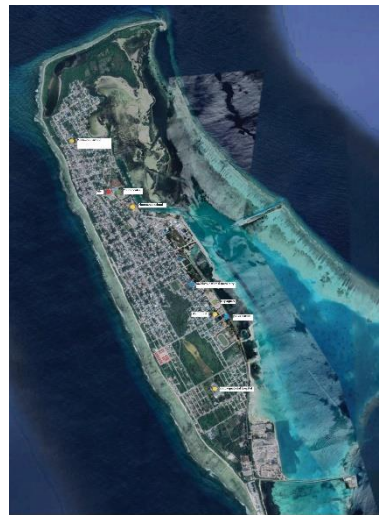
Drainage  
(existing,  
planned)

Rainwater from the roof can be infiltrated into the soil within the plot. Drainage of roof rainwater not required to be connected to road storm-water management system.

<p>Roads in proximity</p>	 <p><i>Figure 6- Unpaved Road surrounding the plot (north east corner of the plot) vegetation of the plot can be seen</i></p>  <p><i>Figure 7- Unpaved Road (west side of the plot)</i></p>
<p>Other notable features</p>	<p>None</p>

<b>Geomorphological</b>	
Site elevation (AMSL)	+0.75m
Distance from shoreline	235m closest shoreline to the East
Coastal barriers (existing y/n)	None in the proximity
<b>Hazards (current climate) Very low, low, moderate, high, very high</b>	
Heavy rainfall episodes	High frequency. Low severity
Flood episodes / risk	Medium frequency. Low severity
Coastal inundation episodes	High frequency. Low severity
Surge / Storm surge episodes / risk	Low frequency, Severity mid-high
Cyclonic wind hazard risk	Low Frequency, High Severity
Coastal erosion	Medium Severe, west side of the island

**Checklist: site-specific information, environment**

NAME OF THE PROJECT AREA, ATOLL: <b>DV SHELTER ADDU.HITHADHOO</b>	Yes	No	Notes
<b>A. Proposed Project Siting</b> Is the project area adjacent to or within any of the following areas <i>(please provide approx. distance in meters / kilometer to the area for both Yes or No answers)</i> :			
<ul style="list-style-type: none"> <li>Densely populated area, including schools, hospitals, clinics, tourist areas, other community facilities, etc.</li> </ul>	o		All areas are within 3km radius. Residential buildings are just adjacent. This is considered as a large island community.
<ul style="list-style-type: none"> <li>Transportation hub including water taxi/transport, bus/van stop</li> </ul>	o		Local bus transportation network within the island. But new proposed Bus transportation within all joining islands to be operational by end of 2022.
<ul style="list-style-type: none"> <li>For GBV/DV shelters: police station/post, government institutions (e.g. Island Council HQ, court, prison), homes of local influential persons</li> </ul>	o		<p>No significantly influential people that requires to be noted.</p>  <p>Police station , Hospital and other Government institutions are located on the Higher resolution map attached in the appendix.</p>
<ul style="list-style-type: none"> <li>Underground and /or Overground utilities (e.g. water supply mains, sewerage mains, electricity distribution lines, telecommunication towers)</li> </ul>	o		No underground or Overground utility cables within the plot. All utility cables in the island are underground and runs through all surrounding roads.
<ul style="list-style-type: none"> <li>Cultural / heritage / religious site or landscapes that have archaeological, paleontological, historical, architectural or aesthetic significance</li> </ul>		o	
<ul style="list-style-type: none"> <li>Protected area <i>(under international or national or local legislation)</i></li> </ul>		o	

• Buffer zone of protected area		o	
• Special area for protecting biodiversity ( <i>e.g. areas used by protected, important or sensitive species of fauna or flora</i> )		o	
• Wetland		o	
• Mangrove		o	
• Estuarine		o	
• Bay		o	
• Floodplains, low-lying areas	o		No such low-lying areas in the island as this is a flat island.
• Surface water bodies		o	Precipitation event of 1.5 hours may lead to water accumulation along the roads up to 300 mm; high infiltration of soil and currently surrounding roads are being constructed with storm water management systems
• Municipal landfill		o	5.3km south east, away from site.
• Grid substation		o	
• Coastal regulatory zone hazard lines		o	
<b>B. What is the current land use , land cover and ecology of the project site? (<i>e.g. cultivated, barren, tree cover</i>)</b>			This is an empty plot which is currently not being used for any purpose. This land has several 14 trees large and small and some debris which was being cleared at the time of inspection.
<b>C. Does the project site comply with the following:</b>			
• Current (and if applicable proposed) National / Local Land use plans	o		Land use plan is not updated. However, this land has been allocated for DV shelter by council.
• Current National / Local land use regulations	o		
<b>D. Are there any areas on or adjacent to the project site which are already subject to pollution or environmental damage?</b>		o	
<b>E. Potential Environmental Impacts</b> Will the project site cause...			
• Clearance of land, vegetation, and/or human settlements	o		Based on the architectural design, few trees might have to be relocated.
• Impacts on the sustainability of associated sewage, sanitation and solid waste disposal systems in the area?		o	

<ul style="list-style-type: none"> <li>Water resource problems ( e.g. abstraction or transfers of water from ground, surface waters, available domestic water supply)?</li> </ul>		o	No impacts on the current existing systems.
<ul style="list-style-type: none"> <li>Changes in land surface affecting the natural drainage of the area?</li> </ul>		o	No impacts
<ul style="list-style-type: none"> <li>Increase in soil erosion?</li> </ul>		o	No impacts
<b>F. General Questions</b> <ul style="list-style-type: none"> <li>How is domestic sewage treated and/or disposed in the Island?</li> </ul>			domestic sewage pipe from site connected with a lateral connection to main sewage line and is disposed untreated into the sea through a long pipeline away from island. Existing network has an STP, but not being operated.
<ul style="list-style-type: none"> <li>How are household black water (toilets) and grey water (kitchen) typically treated and/ or disposed in the Island?</li> </ul>			Waste water from site connected with a lateral connection to main sewage line and is disposed untreated into the sea through a long pipeline away from island.
<ul style="list-style-type: none"> <li>How is solid waste collected, managed and disposed in the Island?</li> </ul>			Waste management system is operated by Wamco (government State Owned Enterprise). Garbage is dumped to the designated dump site / land fill 5.3km south east from site
<ul style="list-style-type: none"> <li>How is hazardous waste collected, managed and disposed in the Island?</li> </ul>			Waste management system is operated by Wamco (government SOE). Garbage is dumped to the designated dump site / land fill 5.3km south east from site
<ul style="list-style-type: none"> <li>How is water supplied to the sites (drinking and as well as for other uses)?</li> </ul>			Through desalinated water supply system which is operated by Fenaka ( government State Owned Enterprise)
<ul style="list-style-type: none"> <li>Is the site large enough to accommodate the estimated number of survivors and their dependents?</li> </ul>			Yes.

**Checklist: site-specific information, social**

Probable Involuntary Resettlement Effects	Yes	No	Not Known	Remarks
<b>Involuntary Acquisition of Land</b>				
<ul style="list-style-type: none"> <li>Will there be land acquisition?</li> </ul>		o		



• Is the site for land acquisition known?		<input type="radio"/>		
• Is the ownership status and current usage of land to be acquired known?		<input type="radio"/>		
• Will easement be utilized within an existing Right of Way (ROW)?			<input type="radio"/>	We do not have such regulations.
• Will there be loss of shelter and residential land due to land acquisition?		<input type="radio"/>		
• Will there be loss of agricultural and other productive assets due to land acquisition?		<input type="radio"/>		
• Will there be losses of crops, trees, and fixed assets due to land acquisition?		<input type="radio"/>		
• Will there be loss of businesses or enterprises due to land acquisition?		<input type="radio"/>		
• Will there be loss of income sources and means of livelihoods due to land acquisition?		<input type="radio"/>		
<b>Involuntary restrictions on land use or on access to legally designated parks and protected areas</b>				
• Will people lose access to natural resources, communal facilities, and services?		<input type="radio"/>		
• If land use is changed, will it have an adverse impact on social and economic activities?		<input type="radio"/>		
• Will access to land and resources owned communally or by the state be restricted?		<input type="radio"/>		
<b>Information on Displaced Persons:</b>				
Any estimate of the likely number of persons that will be displaced by the Project?				
[ ] No [ ] Yes [ <input type="radio"/> ] N/A				
If yes, approximately how many?				
Are any of them poor, female-heads of households, or vulnerable to poverty risks?				
[ ] No [ ] Yes [ <input type="radio"/> ] N/A				
Are any displaced persons from indigenous or ethnic minority groups?				
[ ] No [ ] Yes [ <input type="radio"/> ] N/A				

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## Appendix 1

